

APPEAL FOR TRUE-UP FOR THE FY 2020-21  
&  
ANNUAL PERFORMANCE REVIEW FOR THE FY 2021-22  
&  
AGGREGATE REVENUE REQUIREMENT FOR FY 2022-23 TO FY  
2024-25  
&  
DETERMINATION OF TARIFF FOR FY 2022-23  
TO  
ASSAM ELECTRICITY REGULATORY COMMISSION



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## List of Annexures

Sl. No.	Particulars	Annexure(s)
1.	Additional Submission for True Up for FY 2020-21, APR for FY 2021-22 and MYT for FY 2022-23 to FY 2024-25	Annexure 1
2.	Annual accounts for FY 2020-21	Annexure 2
3.	Statutory auditor report for FY 2020-21	Annexure 3
4.	SLDC certificate for FY 2020-21	Annexure 4
5.	NTPS – Loss due to Grid Constraints Certificate for FY2020-21	Annexure 5
6.	PFC Loan details for FY 2020-21	Annexure 6
7.	GOA Loan details for FY 2020-21 and FY 2021-22	Annexure 7
8.	SLDC certificate for FY 2021-22	Annexure 8
9.	PFC Loan details for FY 2021-22	Annexure 9
10.	Regulatory Formats	Annexure 10



# 1. Legal and Regulatory Framework

## 1.1. Background

- 1.1.1. Under the provisions of Electricity Act 2003 (hereinafter referred to as "Electricity Act") the Assam Electricity Reforms First Transfer Scheme, 2004 (hereinafter referred to as "Transfer Scheme") was notified by Government of Assam on 10th December 2004. Under Section 5 (2) of the transfer scheme the functions and undertakings as set out in Schedule-A of the transfer scheme stands transferred to Assam Power Generation Corporation Limited (APGCL). The final transfer scheme was notified by Govt. of Assam vide notification No: PEL/151/2003/Pt.349 dated 16th Aug' 2005 w.e.f 1st April'05.
- 1.1.2. Section 131 (2) of the Electricity Act provides "...Any property, interest in property, rights and liabilities vested in the State Government under sub-section (1) shall be re-vested by the State Government in a Government company or in a company or companies, in accordance with the transfer scheme so published along with such other property, interest in property, rights and liabilities of the State Government as may be stipulated in such scheme, on such terms and conditions as may be agreed between the State Government and such company or companies being State Transmission Utility or generating company or transmission licensee or distribution licensee,..."
- 1.1.3. Section 62 of the Electricity Act 2003 requires the generating company to furnish details as may be specified by the Commission for determination of tariff.
- 1.1.4. As per AERC Tariff Regulation, 2018, APGCL is now filing the Petition for Truing-up for FY2020-21 and Annual Performance review for the FY 2020-21 for the following plants.
  - i. Namrup Thermal Power Station
  - ii. Lakwa Thermal Power Station
  - iii. Karbi Langpi Hydro Electric Project
  - iv. Lakwa Replacement Power Plant
- 1.1.5. As per AERC Tariff Regulation, 2021, APGCL is now filing the Petition for Multi Year Tariff Petition for the FY 2022-23 to FY 2024-25 for the following plants
  - i. Namrup Thermal Power Station
  - ii. Lakwa Thermal Power Station
  - iii. Karbi Langpi Hydro Electric Project
  - iv. Lakwa Replacement Power Plant
- 1.1.6. APGCL submits additional data, as required by the Hon'ble Commission, are furnished in **Annexure -1**.
- 1.1.7. The various data formats and forms, as required by the Hon'ble Commission, are furnished in **Annexure -10**.



APPEAL FOR TRUE-UP FOR THE FY 2020-21  
To  
ASSAM ELECTRICITY REGULATORY COMMISSION



Prepared by  
ASSAM POWER GENERATION CORPORATION LTD  
Bijulee Bhawan, Paltanbazar  
Guwahati – 781 001



## AFFIDAVIT – TRUE-UP

BEFORE THE ASSAM STATE ELECTRICITY REGULATORY  
COMMISSION, GUWAHATI.

Petition No. –

Case No.  
(to be filed by the Office)

IN THE MATTER OF

Filing of Petition for True-up of the FY 2020-21.

AND

IN THE MATTER OF

Assam Power Generation Corporation Limited  
Bijulee Bhawan, Paltanbazar,  
Guwahati-781 001.

Petitioner

I, Sri Mokshada Prasad Sarma, Son of Sri Sarada Prasad Sarma, aged 59 years, residing at Flat No. 1/A1, Fuberun Apartment, Ghoramara, P.O. Beltola, Guwahati-781028, do solemnly affirm and say as follows:

I am the General Manager (HQ) of Assam Power Generation Corporation Limited, the petitioner in the above matter and am duly authorized by the said Petitioner to make this affidavit for and on behalf of the Assam Power Generation Corporation Limited.

The Statement made in the Petition based on information received from official records and I believe them to reflect truly and no material has been concealed from the statements so made or documents or supporting data etc. attached.

Solemnly affirm at Guwahati on 29<sup>th</sup> November' 2021 that the contents of this affidavit are true to my knowledge, no part of it is false or no material has been concealed therefore and misleading material included therein.

**Deponent**



**(Mokshada Prasad Sarma)  
General Manager (HQ),  
Assam Power Generation Corporation Ltd.**

Place: Guwahati

Date: 29<sup>th</sup> November' 2021

By order of the Commission

Secretary of the Commission



## PRAYER FOR TRUE-UP

BEFORE THE HON'BLE ASSAM ELECTRICITY REGULATORY COMMISSION

FILINGNO .....

CASENO.....

IN THE MATTER OF:

Petition for Truing-up for FY 2020-21

AND IN THE MATTER OF:

Assam Power Generation Corporation Limited incorporated under the provisions of the Companies Act, 1956 and having its registered office in the State of Assam

THE HUMBLE APPLICANT ABOVE NAMED MOST RESPECTFULLY SWEETH:

- i. That the Assam Power Generation Corporation Limited, hereinafter named as APGCL, is a successor corporate entity, formed in pursuant to the notification of the Government of Assam, notified under sub-sections (1), (2), (5), (6) and (7) of Section 131 and Section 133 of the Electricity Act 2003(Central Act 36 of 2003), for the purpose of transfer and vesting of functions, properties, interests, rights, obligations and liabilities, along with the transfer of Personnel of the Board to the successor corporate entities.
- ii. That the APGCL is a company incorporated with the main object of generation of electricity in the state of Assam.
- iii. That the APGCL is a generating company under the provisions laid down in Section 14 Proviso 5, read with Section 131 (2) of the Electricity Act 2003.
- iv. That the APGCL submitted petitions for ARR for the FYs 2019-20 to FY 2021-22 and Determination of tariff for FY 2019-20 to the AERC on 30/11/2018.
- v. That the AERC declared tariff for FY 2020-21 on 07/03/2020 with effectuation date from 10/04/2020.
- vi. That the licensee is filing the Petition for Truing-up for FY 2020-21 as per relevant regulation.

Place: Guwahati

Date: 29<sup>th</sup> November' 2021

Deponent



(Mokshada Prasad Sarma)  
General Manager (HQ),  
Assam Power Generation Corporation Ltd.



## 2. Background

### 2.1. Introduction

2.1.1. Assam State Electricity Board (ASEB) was constituted under section 5 of the Electricity (supply) Act 1948. The announcement of Indian Electricity Act 2003 has made a compulsion to restructure State Electricity Boards. With a view to implementing the reorganization of ASEB, the Govt. had adopted the following sector structure:

- a. One Generating Company to take over the generating functions of the State Electricity Board,
- b. One Transmission Company to take over transmission functions along with the functions of the State Transmission Utility and State Load Dispatch Centre: and
- c. Three Distribution Companies later amalgated to one for the areas in the State of Assam (later merged into one distribution company).

2.1.2. The Assam Power Generation Corporation Limited (APGCL), registered under the Companies Act (1956) on 23rd October 2003, is a successor Company of erstwhile Assam State Electricity Board (ASEB). APGCL was formed as per the Electricity Act, 2003 for the purpose of running the already installed generating capacity of ASEB and utilising the resources available in the State of Assam to add more generating capacity by constructing new power projects to cater to the energy need of the people of Assam.



## 2.2. APGCL Project Summary

- 2.2.1. NTPS: Generation of NTPS was hampered due to the frequent shutdowns of the old units and auxiliaries of NTPS in the FY 2020-21. Due to the ongoing NRPP, APGCL is doing only regular repair & maintenance works at NTPS and not investing in capital intensive high-cost O&M. This means, the units of NTPS are not being overhauled for past few years. This is contributing to the frequent breakdowns of the units and auxiliaries. NTPS lost 7.374 MU due to transmission/evacuation constraints in the FY 2020-21. As of now, NTPS is generating at effective capacity of 43.5 MW.
- 2.2.2. LTPS: The generation of LTPS also suffered due to low gas supply in the financial year 2020-21. LTPS received only 0.63 MMSCMD of gas on average in the FY 2020-21 against the contracted quantity of 0.9 MMSCMD. LTPS is suffering from higher auxiliary consumption of 8.26% due to power consumption by the compressors. The auxiliary consumption of LTPS as approved by the Hon'ble AERC is 5.5%.
- 2.2.3. KLHEP: KLHEP managed to generate 202.62 MUs in FY2020-21 against the Hon'ble Commission's approved generation target of 390 Mus. KLHEP achieved lower generation than target due to delay in planned maintenance of unit I of KLHEP because of restrictions of pandemic Covid-19 situation. Further, both unit I & II was shutdown of almost 2 months due to landslide. Hence, KLHEP achieved lower availability and load factor than the target set by Hon'ble Commission for FY 2020-21.
- 2.2.4. LRPP: LRPP managed to generate 477.07 MUs in FY2020-21 against the Hon'ble Commission's approved generation target of 519.40 MUs mainly on account of low gas supply. The plant's availability, auxiliary power consumption and Gross Station heat Rate were better than the targets set by Hon'ble Commission for FY 2020-21

## 2.3. Annual accounts

- 2.3.1. The audited Annual accounts of APGCL for FY 2020-21, and Statutory Audit Report are attached as Annexure No.2 & Annexure No. 3 respectively as required under AERC Tariff Regulations, 2018. However, The CAG is in progress and the final comments of the CAG will be furnished to the Hon'ble Commission on the receipt of the same.



## 2.4. True-up of FY 2020-21

### 2.5. Regulatory provisions

2.5.1. The Hon'ble Commission in its regulation has stated the provisions on true-up of various costs under the regulations section 10 of Assam Electricity Regulatory Commission (Terms and Conditions for determination of Multi Year Tariff) Regulations, 2018 which has been followed while preparing this True Up Petition.

### 2.6. Installed and Effective Capacity in FY 2020-21

2.6.1. APGCL submits the following Installed & Effective Capacity for FY 2020-21

Table 1: Installed & Effective Capacity for FY 2020-21

Station	Installed Capacity (MW)	No. of Units	Units Decommissioned	Units Available for Generation & Capacity in MW	Effective Capacity
NTPS	119.5	6	1,4,5 (w.e.f 20 <sup>th</sup> August 2020)	2, 3(21MW), 6 (22.50 MW-WHRU)	78.12
LTPS	142.2	8	1,2,3,4	5,6,7(20 MW Each),8 (37.20 MW-WHRU)	97.2
KLHEP	100	2	0	1 (50), 2(50)	100
LRPP	69.755	7	0	1-7 (9.965 each)	69.755

## 3. Norms of operations

### 3.1. Regulatory provisions

3.1.1. The Hon'ble Commission had set norms of operations under Tariff Regulations 2018 Section 47 and 49 for Thermal Generating Stations and Hydro Generating Stations respectively which has been followed for preparing this petition.

3.1.2. The actual performance vis-a-vis norms of operations set is discussed below:

### 3.2. Snapshot of plant wise performance for FY 2020-21

3.2.1. The following table shows the operating performance parameters of Namrup thermal power station for FY 2020-21.

Table 2: Operating Performance for FY 2020-21 of NTPS

NTPS	Approved as per order of March 2020	Actual
Gross Energy in MU	173.73	231.08
Aux. Power Cons. (%)	4.50%	5.35%
Net Energy in MU	165.91	218.73
Availability (%)	50.00%	40.28%



<b>NTPS</b>	<b>Approved as per order of March 2020</b>	<b>Actual</b>
PLF (%) for incentive	45.59%	33.47%
Gross Station Heat Rate on GCV (kcal/ kWh)	3900	4319.79
Wt. Avg. Price of Gas (Rs./1000 SCM)	6257.52	4022.24

3.2.2. The following table shows the operating performance parameters of gas based Lakwa thermal power station for FY 2020-21.

*Table 3: Operating Performance for FY 2020-21 of LTPS*

<b>LTPS</b>	<b>Approved as per order of March 2020</b>	<b>Actual</b>
Gross Energy in MU	425.74	447.57
Aux. Power Cons. (%)	5.50%	8.26%
Net Energy in MU	402.32	410.61
Availability (%)	50.00%	55.63%
PLF (%) for incentive	66.00%	51.03%
Gross Station Heat Rate on GCV (kcal/ kWh)	3200	2501.94
Wt. Avg. Price of Gas (Rs./1000 SCM)	8553.56	5799

3.2.3. KLHEP has achieved lower generation, availability, and load factor due to Force Majeure conditions in the form of Covid-19 and landslide. We submit that as per Tariff Regulations, 2018, Force Majeure is any event or circumstance, which is not within the reasonable control of, and is not due to an act of omission or commission of that party.

**Clause No. 10.1**

*Provided that the Commission may allow variations in controllable items on account of Force Majeure events as pass-through in the ARR for the ensuing year based on actual values submitted by the generating company and licensees and subsequent validation and approval by the Commission during true-up.*



- 3.2.3.1. Justification of estimated generation loss due to overhauling work of Penstock Butterfly Valve for KLHEP Plant:** During the period of major overhauling of unit I of KLHEP, overhauling of penstock work was also carried out from 10-02-2020 to 08-05-2020 (89 Days) simultaneously. So both unit was closed during the period.
- 3.2.3.2. Justification of estimated generation loss due to occurrence of major overhauling of unit I of KLHEP Plant:** The work of major overhauling of unit I of 2\*50 MW KLHEP was started from 17-02-2020 for 68 days and was scheduled to complete the same by 26-04-2020. Due to Covid-19, there was continuous lockdown in Assam from 22<sup>nd</sup> March 2020. Hence, APGCL has taken special permission in the ground of essential services from the local authorities, so that works of dismantling and box-up could be completed by 2<sup>nd</sup> week of May 2020. However, the commissioning of Unit I could not be completed as the Fuji supervisors from Japan were not able to visit the site as International flight was not able to available due to Covid-19 restrictions in the country. Voith Hydro, Noida vide e-mail dated 09-08-2020 informed that Voith Fuji supervisors will not be able to travel to the site next couple of months because of prevailing Covid-19 restrictions. Hence, it was decided that, Voith Fuji team will continue their commissioning operation remotely in order to commission the unit I at the earliest. Engineers from Voith Hydro Pvt. Ltd. reached KLHEP on 21<sup>st</sup> December 2020 in order to complete the remaining commissioning works of the 50 MW Unit 1. Voith Fuji confirmed that the commissioned unit (No. 1) is fit for generation vide confirmation letter dated 16<sup>th</sup> February 2021. Hence, Unit I was non-operational from 17-02-2020 to 16-02-2021 due to major overhauling works.
- 3.2.3.3. Justification of estimated generation loss due to landslides occurrence on 24<sup>th</sup> September 2020 at KLHEP Dam Site:** Landslides occurrence on 24<sup>th</sup> September 2020 wherein large quantity of mud and boulder along with huge rocks got deposited on the road, blocking it completely. The debris got deposited on the approach road leading to the dam site and a huge portion of abutment hill flank around 3.14 hectares slides along a crack zone leading to settlement and destruction of road and development of cracks along slip surface. Thus, the site was completely inaccessible, and assessment of actual damage was not possible at that time. Geo Technical expert deputed by APGCL had suggested to wait until the completion of monsoon season because landslides was suspected to resume. For carrying out necessary restoration works in order to make the site accessible, the road to dam was realigned and constructed which took a considerable time. Due to upsurge of Covid-19 cases in whole India, lockdown was imposed leading to restriction in inter and intra state movement due to which, there was extreme difficulty in carrying out assessment of damage of property. Hence, both unit I & II was shutdown from 24<sup>th</sup> September 2020 and Unit II was resumed for operation from 27<sup>th</sup> December 2020.
- 3.2.3.4.** APGCL has submitted the plant's availability and load factor after considering effects of above justification on uncontrollable factor in below table for FY 2020-21.



Table 4: Computation of PAF and PLF for KLHEP considering Uncontrollable Factor for FY 2020-21

Particulars	From	To	Days
Both Unit Shutdown	1/4/2020	8/5/2020	37
Both Unit Shutdown	24/9/2020	27/12/2020	94
Unit 1 Operational	16/2/2021	31/3/2021	43
Unit 2 operational for FY 2020-21			233
Weighted effective capacity (MW)			59.23
Particulars	Target as per Regulation	On the basis of Installed Capacity (100 MW)	At effective Capacity (59.23 MW) considering uncontrollable factor
Plant Availability Factor	85%	34%	85%
Plant Load Factor	44.5%	23%	61%

Table 5: Comparison of historical data of PAF and PLF for FY 2020-21

Months	FY 2018-19 (Actual)			FY 2019-20 (Actual)			FY 2020-21 (Actual)		
	Gross	PAF	PLF	Gross	PAF	PLF	Gross	PAF	PLF
April	17	59%	23%	17	57%	23%	0	0	0
May	25	83%	34%	24	101%	32%	13	50.1%	17.7%
June	52	100%	72%	40	101%	56%	36	50.1%	49.6%
July	49	96%	65%	63	101%	85%	35	50.1%	47.6%
August	53	91%	71%	38	83%	51%	32	50.1%	43.6%
September	61	94%	84%	53	87%	73%	31	43.4%	42.9%
October	40	94%	54%	66	101%	88%	0	0.0%	0.0%
November	24	89%	33%	46	100%	64%	0	0.0%	0.0%
December	17	82%	23%	26	95%	36%	4	6.5%	5.3%
January	13	87%	17%	20	102%	27%	21	45.9%	28.2%
February	9	91%	14%	5	95%	8%	16	50.3%	24.4%
March	10	82%	13%	0	0%	0%	14	65.8%	18.9%
<b>Total</b>	<b>369.3</b>	<b>87%</b>	<b>42%</b>	<b>398.5</b>	<b>85.0%</b>	<b>45.4%</b>	<b>202.6</b>	<b>34.4%</b>	<b>23.2%</b>

3.2.4. Based on above observation, APGCL submits that if the plant was not affected by natural calamities than it was able to achieve its normative plant load factor and availability as per regulation norms.

3.2.5. The following table shows the operating performance parameters of Karbi Langpi hydroelectric power station for FY 2020-21.

Table 6: Operating Performance for FY 2020-21 of KLHEP

KLHEP	Approved as per order of March 2020	Actual	Total claimed after consideration of uncontrollable factor for FY 2020-21
Gross Energy in MU	390.00	202.62	206.62





KLHEP	Approved as per order of March 2020	Actual	Total claimed after consideration of uncontrollable factor for FY 2020-21
Aux. Power Cons. (%)	0.50%	0.28%	0.28%
Net Energy in MU	388.05	202.05	202.05
Availability (%)	85.00%	34.40%	85.00%
PLF (%)	44.5%	23.18%	44.5%

3.2.6. The following table shows the operating performance parameters of Lakwa Replacement Power Project for FY 2020-21.

Table 7: Operating Performance for FY 2020-21 of LRPP

LRPP	Approved as per order of March 2020	Actual
Gross Energy in MU	519.40	477.07
Aux. Power Cons. (%)	3.50%	2.03%
Net Energy in MU	501.22	467.41
Availability (%)	85.00%	87.19%
PLF (%) for incentive	90.00%	79.27%
Gross Station Heat Rate on GCV (kcal/ kWh)	2150	2142.9
Wt. Avg. Price of Gas (Rs./1000 SCM)	8553.56	5851.2

3.2.7. The performance parameter certificate showing plant wise availability, generation, auxiliary consumption etc. issued by SLDC is attached as Annexure No. 4.

### 3.3. Normative Annual Plant Availability Factor (NAPAF)

3.3.1. NAPAF for NTPS: As per Regulation 47.1 of the MYT Regulations, 2018 the Normative Plant Availability factor for recovery of full fixed charges, is 50% for FY 2020-21 for NTPS.

3.3.2. We submit that NTPS faced Force Majeure conditions in the form of grid disturbance and auto transformer constraints. We submit that as per Tariff Regulations, 2018, Force Majeure is any event or circumstance, which is not within the reasonable control of, and is not due to an act of omission or commission of that party. As per the regulation, the shutdown or the interruption of the grid is also a Force Majeure condition.



3.3.3. We submit that in FY 2020-21, APGCL has lost the opportunity to generate 7.374 MU of electricity due to Grid unavailability and Grid disturbance. The month-on-month generation loss due to the two factors is shown below:

*Table 8: Generation loss of NTPS due to Grid unavailability and Grid disturbance in FY 2020-21*

MU lost for NTPS in 2020-21	MU lost due to grid disturbance	MU lost due to Auto transformer constraints
Apr-20	0.01	0.01
May-20	-	0.03
Jun-20	0.01	-
Jul-20	0.38	-
Aug-20	0.06	-
Sep-20	-	-
Oct-20	0.01	1.39
Nov-20	-	0.91
Dec-20	-	0.66
Jan-21	-	1.15
Feb-21	-	0.83
Mar-21	-	1.92
<b>TOTAL</b>	<b>0.47</b>	<b>6.90</b>
<b>Grand total</b>	<b>7.37</b>	

3.3.4. APGCL has lost 0.474 MU due to breakdown of various transmission lines and other grid disturbance from time to time as shown above.

3.3.5. APGCL has in total lost 6.90 MU in FY 2020-21 due to evacuation constraints faced due to issues with the auto transformers used for evacuation of power from NTPS.

3.3.6. Both of the above reasons for loss of generation are uncontrollable events for APGCL. The Tariff Regulations 2018 define the event pertaining to grid interruption as a Force Majeure Event as follows:

“Force Majeure Event” means, with respect to any party, any event or circumstance, which is not within the reasonable control of, and is not due to an act of omission or commission of, that party and which, by the exercise of reasonable care and diligence, could not have been prevented, and without limiting the generality of the foregoing, would include the following events:

- a. acts of God, including but not limited to lightning, storm, action of the elements, earthquakes, flood, torrential rains, drought and natural disaster;
- b. strikes, lockouts, go-slow, bandh or other industrial disturbances not instigated by any party;
- c. acts of public enemy, wars (declared or undeclared), blockades, insurrections, riots, revolution, sabotage, vandalism and civil disturbance;
- d. unavoidable accident, including but not limited to fire, explosion, radioactive contamination and toxic dangerous chemical contamination;
- e. any shutdown or interruption of the grid, which is required or directed by the State or Central Government or by the Commission or the Assam State Load Despatch Centre; and
- f. any shut down or interruption, which is required to avoid serious and immediate risks of a significant plant or equipment failure.



3.3.7. In view of the above, APGCL has claimed availability lost due to uncontrollable factors. The summary of the approved and actual availability claimed for FY 2020-21 are shown in the table below.

Table 9: Availability for 2020-21 of NTPS

NTPS	Approved as per order of March 2020	Availability achieved	Availability lost due to uncontrollable factors	Total Availability claimed for FY 2020-21
Plant Availability Factor (%)	50.00%	39.15%	1.13%	40.28%

3.3.8. The certificate for Generation Loss of NTPS due to Grid Restrictions and Auto Transformer Constraints is attached in Annexure No. 5.

3.3.9. NAPAF for LTPS: As per Regulation 47.1 of the MYT Regulations, 2015 the Normative Plant Availability factor for recovery of full fixed charges, is 50% for FY 2020-21 for LTPS. The approved and actual numbers are shown in the table below.

Table 10: Availability for 2020-21 of LTPS

LTPS	Approved as per order of March 2020	Actual
Plant Availability Factor (%)	50.00%	55.63%

3.3.10. NAPAF for KLHEP: Further, Regulation 49 specifies normative PAF for KLHEP as 85%. The approved, actual and claimed numbers are shown in the table below.

Table 11: Availability for 2020-21 of KLHEP

KLHEP	Approved as per order of March 2020	Availability achieved	Total Availability claimed after consideration of uncontrollable factor for FY 2020-21
Plant Availability Factor (%)	85.00%	34.40%	85%

3.3.11. NAPAF for LRPP: As per Regulation 47.1 of the Tariff Regulations, 2018 the Normative Plant Availability factor for recovery of full fixed charges, is 85% for new plants The Hon'ble Commissioned had approved the same. The approved and actual numbers are shown in the table below.

Table 12: Availability for 2020-21 of LRPP

LRPP	Approved as per order of March 2020	Actual
Plant Availability Factor (%)	85.00%	87.19%



### 3.4. Normative Annual Plant Load Factor (NAPLF)

3.4.1. NAPLF for NTPS and LTPS: As per Regulation 47.2 of the MYT Regulations, 2018 the Normative Plant Load factor is 50% and 66% for FY 2020-21 for NTPS and LTPS respectively. The approved and actual numbers are shown in the table below.

Table 13: Plant Load Factor for 2020-21 of NTPS

NTPS	Approved as per order of March 2020	Actual
Plant Load Factor (%)	50.00%	33.47%

Table 14: Plant Load Factor for 2020-21 of LTPS

LTPS	Approved as per order of March 2020	Actual
Plant Load Factor (%)	66.00%	51.03%

3.4.2. NAPLF for KLHEP: Further, Regulation 49 of the MYT Regulations, 2018 specifies normative PLF for KLHEP as 44.5% for FY 2020-21. The approved, actual and claimed numbers are shown in the table below.

Table 15: Plant Load Factor for 2020-21 of KLHEP

KLHEP	Approved as per order of March 2020	Availability achieved	Total Availability claimed after consideration of uncontrollable factor for FY 2020-21
Plant Load Factor (%)	44.5%	23.18%	44.5%

3.4.3. NAPLF for LRPP: As per Regulation 47.2 of the Tariff Regulations, 2018 the Normative Plant Load factor, is 90% for new plants commissioned. The Hon'ble Commissioned had approved the same. The approved and estimated numbers are shown in the table below.

Table 16: Plant Load Factor for 2020-21 of LRPP

LRPP	Approved as per order of March 2020	Actual
Plant Load Factor (%)	90.00%	79.27%



### 3.5. Gross Station Heat Rate (SHR)

3.5.1. SHR for NTPS: As per Regulation 47.4 of the MYT Regulations, 2018 the Normative Station Heat Rate, is 3900 kCal/kWh for FY 2020-21 for NTPS in Partial combined cycle mode of operation.

3.5.2. We submit that the SHR of NTPS is higher than the approved SHR in FY 2020-21 due to part loading of units resulting due to lower gas supply and evacuation constraints and old nature of the plant equipment and machinery.

3.5.3. The approved and actual numbers are shown in the table below.

Table 17: SHR for 2020-21 of NTPS

NTPS	Approved as per order of March 2020	Actual
Station Heat Rate (kCal/kWh)	3900	4319.79

3.5.4. Further, APGCL submits that the actual normative SHR for NTPS should higher than the 3900 Kcal/KWh for FY 2020-21. The computation of actual weighted normative is shown in table below.

FY2020-21	GSHR	Number of Days Operation	Normative Weighted Average SHR
NTPS	Approved		
Open Cycle	4300.0	73	3979
Closed Cycle	3900.0	292	
<b>Total</b>		<b>365</b>	

3.5.5. SHR for LTPS: As per Regulation 47.4 of the MYT Regulations, 2018 the Normative Station Heat Rate for FY 2020-21 for LTPS, is 3200 kCal/kWh in closed cycle mode of operation.

3.5.6. The actual SHR is lower than the approved SHR for LTPS for FY 2020-21 as shown below.

Table 18: SHR for 2020-21 of LTPS

LTPS	Approved as per order of March 2020	Actual
Station Heat Rate (kCal/kWh)	3200 for Closed cycle 3900 for Open cycle	2501.94



3.5.7. SHR for LRPP: The Hon'ble Commission had approved the Gross Station Heat Rate for LRPP at 2,150 kCal/kWh in the Tariff Order dated March 2020 for LRPP.

3.5.8. The actual SHR is lower than the approved SHR for LRPP for FY 2020-21 as shown below.

*Table 19: SHR for 2020-21 of LRPP*

LRPP	Approved as per Order of March 2020	Actual
Station Heat Rate (kCal/kWh)	2,150	2142.9

3.5.9. APGCL prays to AERC to approve the actual SHR numbers as achieved in FY2020-21.

### 3.6. Auxiliary Energy Consumption

3.6.1. Auxiliary consumption for NTPS: As per Regulation 47.3 of the MYT Regulations, 2018 the Normative Auxiliary energy consumption, is 4.50% for FY 2020-21 for NTPS.

3.6.2. We submit that the auxiliary consumption of NTPS is higher than the approved auxiliary consumption in FY 2020-21 due to part loading of units. In view of the above, APGCL prays to the Hon'ble Commission to approve the actual auxiliary consumption as it has increased due to uncontrollable factors.

3.6.3. The approved and actual numbers are shown in the table below.

*Table 20: Auxiliary energy consumption for 2020-21 of NTPS*

NTPS	Approved as per order of March 2020	Actual
Auxiliary energy consumption (%)	4.50%	5.35%

3.6.4. Auxiliary consumption for LTPS: As per Regulation 47.3 of the MYT Regulations, 2018 the Normative Auxiliary energy consumption, is 5.50% for FY 2020-21 for LTPS.

3.6.5. We submit that the Auxiliary consumption of LTPS is higher than the approved values due to low gas pressure in supply of gas. Due to low gas pressure in supply, the usage of gas compressors has increased resulting in high auxiliary consumption of LTPS. The auxiliary consumption of LTPS is also higher than the approved auxiliary consumption in FY 2020-21 due to part loading of units. Further the lower gas supply constraints simultaneous operations of all 3 GTs most of the time. As the WHRU is designed to run with 3 HRSGs, non-availability of one HRSG increases the percentage of APC as gross power generation reduces. However, same number of auxiliaries have to be run to operate the WHRU.



3.6.6. The approved and actual numbers are shown in the table below.

*Table 21: Auxiliary energy consumption for 2020-21 of LTPS*

<b>LTPS</b>	<b>Approved as per order of March 2020</b>	<b>Actual</b>
Auxiliary energy consumption (%)	5.50%	8.26%

3.6.7. Auxiliary consumption for KLHEP: As per Regulation 49.1 of the MYT Regulations, 2018 the Normative Auxiliary energy consumption, is 0.5% for FY 2020-21 for KLHEP. The approved and actual numbers are shown in the table below.

*Table 22: Auxiliary energy consumption for 2020-21 of KLHEP*

<b>KLHEP</b>	<b>Approved as per order of March 2020</b>	<b>Actual</b>
Auxiliary energy consumption (%)	0.50%	0.28%

3.6.8. Auxiliary consumption for LRPP: As per Regulation 47.3 of the Tariff Regulations, 2018 the Normative Auxiliary energy consumption, is 3.50% for gas engine-based generating station with gas booster compressor.

3.6.9. The approved and actual numbers are shown in the below table

*Table 23: Auxiliary energy consumption for 2020-21 of LRPP*

<b>LRPP</b>	<b>Approved as per order of March 2020</b>	<b>Actual</b>
Auxiliary energy consumption (%)	3.50%	2.03%

3.6.10. APGCL prays to AERC to approve the actual auxiliary consumption numbers.



## 4. Fixed Cost of the Plant

### 4.1. Annual fixed cost for FY 2020-21

4.1.1. The fixed cost of APGCL's power plants has been approved by AERC via MYT order in Case No. 10/2019 dated 7th March 2020, subsequently via Revised ARR order in Case No. 20,21,22,23,24,25/2020 dated 15th February 2021.

4.1.2. As per regulation 42.1 of the AERC Tariff regulations, 2018 the following components of fixed cost have been considered for True-up of the tariff for the power plant:

- (a) Return on Equity
- (b) Interest on Long Term Loan
- (c) Depreciation
- (d) Operation and Maintenance Expenses
- (e) Interest on Working Capital
- (f) Less: Non-Tariff Income

4.1.3. For the computation of the fixed components, the Petitioner has considered the principles provided in the AERC Regulations, 2018. These components have been discussed plant wise in detail in the following sections of the petition.

### 4.2. Return on Equity (ROE)

4.2.1. The Hon'ble Commission in its regulation 33 of the AERC Regulations, 2018 has considered the pre-tax return on equity at 15.50% of equity capital.

4.2.2. The Petitioner has determined the Return on Equity (RoE) at a rate of 15.50% in accordance with the AERC Regulations, 2018. The Petitioner submits that there has been no addition in Equity in FY 2020-21 for NTPS, LTPS, KLHEP and LRPP.

4.2.3. The Plant wise Return in Equity has been shown below:

Table 24: Computation of Plant wise Return in Equity for 2020-21

Rs. Cr			
Station	Particulars	Approved as per order of March 2020	True up Petition for FY 2020-21
NTPS	Opening Equity	55.00	55.00
	Closing Equity	55.00	55.00
	Rate of Return	15.50%	15.50%
	<b>Return on Equity</b>	<b>8.53</b>	<b>8.53</b>
	<b>Return on Equity for Effective Capacity</b>	<b>3.11</b>	
LTPS	Opening Equity	143.08	143.08
	Closing Equity	143.08	143.08





Station	Particulars	Approved as per order of March 2020	True up Petition for FY 2020-21
	Rate of Return	15.50%	15.50%
	<b>Return on Equity</b>	<b>22.18</b>	<b>22.18</b>
	<b>Return on Equity for Effective Capacity</b>	<b>15.16</b>	
<b>KLHEP</b>	Opening Equity	68.65	68.65
	Closing Equity	68.65	68.65
	Rate of Return	15.50%	15.50%
	<b>Return on Equity</b>	<b>10.64</b>	<b>10.64</b>
	<b>Return on Equity for Effective Capacity</b>	<b>10.64</b>	
<b>LRPP</b>	Opening Equity	15.74	15.74
	Closing Equity	15.74	15.74
	Rate of Return	15.50%	15.50%
	<b>Return on Equity</b>	<b>2.44</b>	<b>2.44</b>
	<b>Return on Equity for Effective Capacity</b>	<b>2.44</b>	

4.2.4. APGCL prays to the Hon'ble Commission to approve the plant wise Return on Equity as shown above.

### 4.3. Interest on Loan Capital

4.3.1. As per Regulation 34 of the Tariff Regulations, 2018, the Hon'ble Commission will consider interest on Loan capital on normative basis with repayment equal to depreciation allowed for that year and rate of interest will be the weighted average rate of interest calculated on the basis of the actual loan portfolio at the beginning of each year.

4.3.2. In view of the above, the Petitioner has computed the Interest on long term Loan on normative basis for FY 2020-21. The Petitioner has considered normative loan portfolio and the repayment shown is considered equal to the depreciation for FY 2020-21. The interest rate has been considered as the weighted average rate of actual interest rate applicable to APGCL at the beginning of FY 2020-21.

4.3.3. The finance charges are shown separately plant wise for FY 2020-21. The table below summarizes the interest on loan and finance charges considered for True-up of FY 2020-21.

Table 25: Computation of Plant wise Interest and finance charges for 2020-21

Station	Particulars	Approved as per order of March 2020	True up Petition for FY 2020-21
<b>NTPS</b>	Net Normative Opening Loan	4.04	0.77

Rs. Cr



Station	Particulars	Approved as per order of March 2020	True up Petition for FY 2020-21
	Addition of normative loan during the year	3.04	1.65
	Normative Repayment during the year	1.87	1.45
	Net Normative Closing Loan	5.21	0.96
	Avg. Normative Loan	4.63	0.87
	Interest Rate	10.34%	10.16%
	Interest on Loan Capital	0.48	0.09
	Add: Bank Charges	0.00	0.01
	<b>Net Interest on Loan Capital</b>	<b>0.48</b>	<b>0.10</b>
	<b>Net Interest on Loan Capital for Effective Capacity</b>	<b>0.17</b>	
<b>LTPS</b>	Net Normative Opening Loan	0	0
	Addition of normative loan during the year	20.91	14.73
	Normative Repayment during the year	15.97	11.45
	Net Normative Closing Loan	4.94	3.29
	Avg. Normative Loan	2.47	1.64
	Interest Rate	10.34%	10.16%
	Interest on Loan Capital	0.26	0.17
	Add: Bank Charges	0.00	0.01
	<b>Net Interest on Loan Capital</b>	<b>0.26</b>	<b>0.18</b>
	<b>Net Interest on Loan Capital for Effective Capacity</b>	<b>0.17</b>	
<b>KLHEP</b>	Net Normative Opening Loan	204.2	195.3
	Addition of normative loan during the year	20.9	0.03
	Normative Repayment during the year	22.19	21.14
	Net Normative Closing Loan	202.91	174.19
	Avg. Normative Loan	203.56	184.75
	Interest Rate	10.34%	10.16%
	Interest on Loan Capital	21.05	18.77
	Add: Bank Charges	0.00	0.01
	<b>Net Interest on Loan Capital</b>	<b>21.05</b>	<b>18.78</b>
<b>Net Interest on Loan Capital for Effective Capacity</b>	<b>21.05</b>		
<b>LRPP</b>	Net Normative Opening Loan	30.66	29.78
	Addition of normative loan during the year	0	0.00
	Normative Repayment during the year	2.34	2.68
	Net Normative Closing Loan	28.32	27.10
	Avg. Normative Loan	29.49	28.44
	Interest Rate	10.34%	10.16%



Station	Particulars	Approved as per order of March 2020	True up Petition for FY 2020-21
	Interest on Loan Capital	3.05	2.89
	Add: Bank Charges	0.00	0.00
	<b>Net Interest on Loan Capital</b>	<b>3.05</b>	<b>2.89</b>
	<b>Net Interest on Loan Capital for Effective Capacity</b>	<b>3.05</b>	
	<b>Total</b>	<b>24.83</b>	<b>21.95</b>
	<b>Total for Effective Capacity</b>	<b>24.45</b>	

4.3.4. APGCL submits that the loan details and interest rates applicable on PFC loans is submitted as part of Annexure No. 6 of this document.

4.3.5. APGCL further submits that the document specifying the interest rates applicable on Assam govt. loans @ 10% is attached as Annexure No. 7 of this document.

4.3.6. APGCL prays to the Hon'ble Commission to approve the Total interest and finance charges as shown above.

#### 4.4. Depreciation

4.4.1. The Hon'ble Commission in its Tariff Regulations, 2018 has considered the principle as laid out in Regulation 32.

4.4.2. In view of the above, the Petitioner has computed the Depreciation considering Capital Cost of the asset admitted by the Commission with 10% salvage value. Also, depreciation on grants has been subtracted. The table below summarizes the plant wise Depreciation considered for True-up of FY 2020-21

Table 26: Depreciation for 2020-21 of NTPS

Particulars	FY 2020-21
Opening GFA	188.74
Addition during the year	1.65
Closing	190.39
Average GFA	189.56
Rate of Depreciation	0.82%
<b>Total Depreciation</b>	<b>1.56</b>
Grant	13.16
Additions during the year	0.00
Closing grant	13.16
Average grant	13.16
Rate of Depreciation	0.82%

Rs. Cr



Depreciation on grants	0.11
<b>Net Depreciation</b>	<b>1.45</b>

Table 27: Depreciation for 2020-21 of LTPS

Rs. Cr

Particulars	FY 2020-21
Opening GFA	485.87
Addition during the year	14.73
Closing	500.60
Average GFA	493.23
Rate of Depreciation	2.68%
<b>Total Depreciation</b>	<b>13.20</b>
Grant	65.50
Additions during the year	0.00
Closing grant	65.50
Average grant	65.50
Rate of Depreciation	2.68%
Depreciation on grants	1.75
<b>Net Depreciation</b>	<b>11.45</b>

Table 28: Depreciation for 2020-21 of KLHEP

Rs. Cr

Particulars	FY 2020-21
Opening GFA	514.70
Addition during the year	0.03
Closing	514.73
Average GFA	514.72
Rate of Depreciation	4.59%
<b>Total Depreciation</b>	<b>23.65</b>
Grant	54.66
Additions during the year	0.00
Closing grant	54.66
Average grant	54.66
Rate of Depreciation	4.59%
Depreciation on grants	2.51
<b>Net Depreciation</b>	<b>21.14</b>



Table 29: Depreciation for 2020-21 of LRPP

Rs. Cr

Particulars	FY 2020-21
Opening GFA	268.41
Addition during the year	0.00
Closing	268.41
Average GFA	268.41
Rate of Depreciation	5.10%
<b>Total Depreciation</b>	<b>13.70</b>
Grant	215.89
Additions during the year	0.00
Closing grant	215.89
Average grant	215.89
Rate of Depreciation	5.10%
Depreciation on grants	11.02
<b>Net Depreciation</b>	<b>2.68</b>

Table 30: Summary of Depreciation claimed for FY 2020-21

Rs. Cr

Station	Particulars	Approved as per order of March 2020	True up Petition for FY 2020-21
NTPS	Depreciation	2.08	1.56
	Less: Depreciation on assets funded by Grants	0.2	0.11
	<b>Net Depreciation</b>	<b>1.87</b>	<b>1.45</b>
	<b>Net Depreciation for Effective Capacity</b>	<b>0.68</b>	
LTSP	Depreciation	18.52	13.20
	Less: Depreciation on assets funded by Grants	2.5	1.75
	<b>Net Depreciation</b>	<b>15.97</b>	<b>11.45</b>
	<b>Net Depreciation for Effective Capacity</b>	<b>10.92</b>	
KLHEP	Depreciation	24.83	23.65
	Less: Depreciation on assets funded by Grants	2.64	2.51
	<b>Net Depreciation</b>	<b>22.19</b>	<b>21.14</b>
	<b>Net Depreciation for Effective Capacity</b>	<b>22.19</b>	
LRPP	Depreciation	12.23	13.70
	Less: Depreciation on assets funded by Grants	9.89	11.02
	<b>Net Depreciation</b>	<b>2.34</b>	<b>2.68</b>
	<b>Net Depreciation for Effective Capacity</b>	<b>2.34</b>	
	<b>Total</b>	<b>42.37</b>	<b>36.72</b>
	<b>Total for Effective Capacity</b>	<b>36.13</b>	



- 4.4.3. Further, APGCL humbly submits that entire depreciation claimed in True Up is at par with the depreciation charged in the Annual Accounts and any depreciation on decommissioned / retired units does not form part of the depreciation charged in the Annual Accounts. Hence, the depreciation claimed is already at the effective capacity and further reduction of depreciation citing effective capacity is not justifiable. We humbly pray to the Hon'ble Commission to consider the same while approving True Up claim for depreciation and allow full recovery of the depreciation charged after reduction of depreciation on grants only and not further reduce the depreciation citing effective capacity.
- 4.4.4. APGCL prays to the Hon'ble Commission to approve the plant wise Depreciation for FY 2020-21 as shown above.

#### 4.5. Interest on Working Capital

- 4.5.1. As per Regulation 34 of the Tariff Regulations, 2018, the interest on working capital will be considered on normative basis.
- 4.5.2. As per the above regulations, the Petitioner has claimed normative interest on working capital. However, as APGCL does not have liquid fuel stock facility, it has not considered working capital on storage of liquid fuel. The rate of interest has been considered as interest rate equivalent to the normative interest rate of three hundred (300) basis points above the average State Bank of India MCLR (One Year Tenor) prevalent during the last available six months i.e. 7.00% + 3.00 % = 10.00%. The plant wise interest on working capital considered is shown in the table below:

Table 31: Summary of Interest on working capital claimed for FY 2020-21

Rs. Cr			
Station	Particulars	Approved as per order of March 2020	True up Petition for FY 2020-21
NTPS	Fuel Cost for one month	4.24	3.66
	O&M Expenses for one month	1.67	3.01
	Maintenance Spares-30% of O&M	6.02	10.82
	Receivables for two months	11.76	14.11
	Total Working Capital Requirement	23.69	31.59
	Rate of interest	11.22%	10.00%
	<b>Interest on Working capital</b>	<b>2.66</b>	<b>3.16</b>
LTPS	Fuel Cost for one month	10.41	5.83
	O&M Expenses for one month	2.03	3.43
	Maintenance Spares-30% of O&M	7.29	12.36
	Receivables for two months	30.84	21.99
	Total Working Capital Requirement	50.57	43.61
	Rate of interest	11.22%	10.00%
	<b>Interest on Working capital</b>	<b>5.67</b>	<b>4.36</b>
	O&M Expenses for one month	2.53	2.53



Station	Particulars	Approved as per order of March 2020	True up Petition for FY 2020-21
KLHEP	Maintenance Spares-30% of O&M	4.55	9.10
	Receivables for two months	16.04	16.31
	Total Working Capital Requirement	23.12	27.94
	Rate of interest	11.22%	10.00%
	<b>Interest on Working capital</b>	<b>2.59</b>	<b>2.79</b>
LRPP	Fuel Cost for one month	8.53	5.37
	O&M Expenses for one month	1.78	1.78
	Maintenance Spares-30% of O&M	6.39	6.39
	Receivables for two months	22.64	16.12
	Total Working Capital Requirement	39.34	29.66
	Rate of interest	11.22%	10.00%
	<b>Interest on Working capital</b>	<b>4.41</b>	<b>2.97</b>
	<b>Total</b>	<b>15.34</b>	<b>13.28</b>

4.5.3. APGCL prays to the Hon'ble Commission to approve the plant wise interest on Working capital for FY 2020-21 as shown above.

#### 4.6. Operation and Maintenance Expenses (O&M Expenses)

4.6.1. As per Regulation of the Tariff Regulations, 2018 does not provide for separate approval of Employee expenses, A&G expenses, and R&M expenses.

4.6.2. APGCL submitted that the Commission in the Tariff Order of dated March 7, 2020 had approved O&M expenses of Rs. 55.17 Crore for NTPS, Rs 60.26 Crore for LTPS, Rs. 30.34 Crore for KLHEP and Rs. 21.30 Crore for LRPP for FY 2020-21, which works out to total of Rs. 167.07 Crore.

4.6.3. APGCL submitted in annual performance review for FY 2020-21 that the effective capacity for NTPS is 78.12 MW instead of 43.5 MW. Hence, O&M cost for NTPS shall be 36.07 crores instead of 24.31 crores.

4.6.4. Further, APGCL submitted that the Commission had approved the normative O&M expenses for LTPS for FY 2020-21 as Rs. 60.26 crore. However, the Hon'ble Commission while approving the O&M for LTPS in the Order of March 2020 as per effective capacity for FY 2020-21 has approved Rs. 24.31 Crore whereas as per effective capacity it should be Rs. 41.19 (Effective Capacity of 97.2 MW against installed capacity of 142.2 MW) Crore. The Hon'ble Commission had reduced the O&M cost of LRPP from the approved O&M cost of LTPS. This appears to be an error in calculation by the Commission in Tariff order of dated March 7, 2020. The matter was discussed in review petition for the same.

4.6.5. APGCL also humbly submits that it had awarded the R&M services of LRPP to M/s Wartsila and for which APGCL is bearing Rs. 1.39 Crores per quarter as R&M expenditure. Such cost is also borne by APGCL.



4.6.6. APGCL prays to the hon'ble commission to approve the O&M expenses for FY 2020-21 as shown in the table below.

Table 32: Operation and Maintenance claimed for FY 2020-21

Station	Approved normative O&M expenses in March 2020	Approved O&M expenses at effective capacity in March 2020	Effective Capacity in FY 2021-22 (MW)	Revised Normative O&M at actual effective capacity	As per audited account of FY 2020-21 (Exclude Special R&M)	Rs. Cr Claim for True up
NTPS	55.17	20.08	78.12	36.07	29.82	36.07
LTPS	60.26	24.31	97.20	41.19	39.91	41.19
KLHEP	30.34	30.34	100.00	30.34	30.72	30.34
LRPP	21.30	21.30	69.76	21.30	21.94	21.30
<b>Total</b>	<b>167.07</b>	<b>96.03</b>	<b>345.08</b>	<b>128.90</b>	<b>122.38</b>	<b>128.90</b>

4.6.7. As per Regulation 2.1(50) of the Tariff Regulations, 2018, Operation and maintenance expense include manpower, repairs, spares, consumables, insurance and overheads but excludes fuel expenses and water charges.

4.6.8. APGCL also humbly submit the Station-wise details of head-wise actual O&M expenses appeared in annual account for FY 2020-21. (excluding O&M expenses of MSHEP of Rs. 0.67 Crore and Capacity Building of Rs. 0.009 Crore, special R&M of Rs. 24.24 crores).

Table 33: Station-wise details of head-wise actual O&M expenses for FY 2020-21

Station	Employee	R&M	A&G	Total	Rs. Cr
NTPS	25.32	2.80	1.69	29.82	
LTPS	27.19	8.68	4.03	39.91	
KLHEP	21.85	5.05	3.81	30.72	
LRPP	14.22	6.64	1.08	21.94	
<b>Total</b>	<b>88.59</b>	<b>23.17</b>	<b>10.62</b>	<b>122.38</b>	

4.6.9. Reconciliation of total O&M expenses appeared in annual accounts of FY 2020-21 and O&M expenses shown in table above is as under.

Table 34: Reconciliation of total O&M expenses appeared in annual accounts of FY 2020-21

Stations	Amount appeared in annual accounts	Amount appeared in Table 33
NTPS	29.82	29.82
LTPS	39.91	39.91
KLHEP	30.72	30.72
Special R&M of KLHEP***	24.24	0.00
LRPP	21.94	21.94
MSHEP	0.66	0.00





Stations	Amount appeared in annual accounts	Amount appeared in Table 33
Capacity Building	0.01	0.00
<b>Total</b>	<b>147.29</b>	<b>122.38</b>

\*\*\* Special R&M of Rs. 24.24 crores is claim separately.

4.6.10. APGCL prays to the Hon'ble Commission to approve the plant wise O&M expenses for FY 2020-21 as shown above.

#### 4.7. Actual Tax Claim

4.7.1. As per regulation 35 of the Tariff Regulations 2018, income tax as will be reimbursed per actual income tax paid, based on the documentary evidence submitted at the time of truing up.

4.7.2. APGCL has determined that no annual tax claim to be payable to Income Tax Department.

Table 35: Plant wise Tax on income claimed for FY 2020-21

Station	Tax on income claimed for FY 2020-21
NTPS	0
LTPS	0
KLHEP	0
LRPP	0
<b>Total</b>	<b>0</b>

4.7.3. The Petitioner prays to the Hon'ble Commission to approve the plant wise tax on income for FY 2020-21 as shown in the table above.

#### 4.8. Special R&M

4.8.1. As per regulation 29.5 (iii) of the Tariff Regulations 2018, special R&M expenditure is allowed for efficient operation of the stations.

4.8.2. APGCL's expenditure under Special R&M was done for the following.

Work Name	Approved as per Tariff Order March 2020	Claim in FY 20-21	Remarks
Capital Overhauling of 50MW Francis type Fuji make Generator Turbine Unit-II - KLHEP	15.10	0.00	The Overhauling of Unit 2 has been shifted in FY 2021-22. Hence, APGCL has not claimed any amount in True Up for FY 2020-21

Rs. Cr



Work Name	Approved as per Tariff Order March 2020	Claim in FY 20-21	Remarks
Overhauling of LTPS Unit -7 in FY 2021-22	13.00	0.00	No Claim. After receiving approval from AERC Commission for overhauling of LTPS Gas Turbine #7, the same was placed before GoA for the financial year 2021-22 (State Plan). Because of financial constraint caused by Covid-19, Govt. didn't approve the same. Subsequently, it was decided to execute the work from APGCL's own fund. After surveying the spares for the overhauling work, OEM M/s BGGTS had submitted the budgetary offer which was found at the higher side. Negotiation is under process. Overhauling of unit# 7 has been shifted in FY 2022-23.
Major Overhauling of KLHEP - Unit 1	0.00	24.24	The work of major overhauling of unit I of 2*50 MW KLHEP was started from 17-02-2020 for 68 Days and was about to complete the same by 26-04-2020. But due to Covid-19 there was continuous lockdown in Assam from 22nd March 2020. APGCL has taken special permission in the ground of essential services from the local authority so work of dismantling and box-up completed by 2nd week of May 2020. However, the commissioning of Unit I could not be completed as the Fuji supervisor from Japan was not able to visit the site as International flight was not able to available due to Covid-19. Voith Hydro Noida vide e-mail dated 09-08-2020 informed that Voith Fuji supervisors from not able to travel next couple of months because of Covid-19. Hence, it has been decided that Voith Fuji team will continue their operation remotely inorder to commission the unit I. Engineers from Voith Hydro Pvt Ltd reached KLHEP on 21st December 2020 to commissioning the major overhauling of 50 MW Unit 1. Voith Fuji confirmed the unit is fit for generation vide confirmation letter dated 16th February 2021. Hence, APGCL has claimed actual expenditure of 24.24 Crores in the True Up for FY 2020-21.

4.8.3. In view of the above regulations, the approved and actual number for Special R&M for FY 2020-21 are shown in the table below.

Table 36: Plant wise Special R&M for FY 2020-21

Rs. Cr

Station	Approved as per order of March 2020	Amount claimed for True-Up
NTPS	0	0
LTPS	0	0



KLHEP	15.10	24.24
LRPP	13	0
<b>Total</b>	<b>28.10</b>	<b>24.24</b>

4.8.4. APGCL prays to the Hon'ble Commission to approve the plant wise Special R&M for FY 2020-21 as shown in the table above.

#### 4.9. Capacity building

4.9.1. The Hon'ble Commission had approved expenses pertaining to Capacity Building of APGCL employees.

4.9.2. The list of capacity building activities undertaken in FY2020-21 is shown below:

Sl. No.	Name of Training Programme	Organizing Institute	Period of Training		No. of Participants
			From	To	
1	Opportunities to adopt new generation conductor(other than HPC/HTLS conductor) in the Power Transmission sector	IEEMA	3/12/2021	3/12/2021	1
2	Conduct Rules, Disciplinary & Appeal Rules	Assam Administrative Staff College	11/26/2020	11/27/2020	2
3	Manav Sampada	Assam Administrative Staff College	2/26/2021	2/26/2021	1
4	Big Data Analytics	Assam Administrative Staff College	2/24/2021	2/24/2021	2
5	Leading Effective Meeting	Assam Administrative Staff College	2/17/2021	2/19/2021	3
6	Contract Management & Dispute Resolution	National Academy of Human Resource Development	2/9/2021	2/10/2021	7
7	Government E-marketplace	SIERD	12/14/2020	12/14/2020	17
8	Public Procurement with E-Procurement	SIERD	12/15/2020	12/15/2020	15
9	Renewal of Zoom Package (APGCL's Share)		7/28/2020		
10	Awareness Programme on Consumer Protection	Assam Administrative Staff College	10/15/2020	10/15/2020	2
11	Online HR Training Programme	APDCL	5/28/2020	5/28/2020	11
12	Arbitration Proceeding	NAHRD	29.10.2020	30.10.2020	4
<b>TOTAL</b>					<b>65</b>



4.9.3. The approved and claimed expenses have been shown in the table below:

Table 37: Expenses under Capacity building

Rs. Cr

Station	Approved as per order of March 2020	Amount claimed for True up
NTPS	0.10	0.004
LTPS	0.10	0.004
KLHEP	0.10	0.002
LRPP	0.00	0
<b>Total</b>	<b>0.30</b>	<b>0.009</b>

4.9.4. APGCL prays to the Hon'ble Commission to approve the above-mentioned capacity building expenses for FY2020-21.

#### 4.10. Non-Tariff income

4.10.1. As per Regulation 45 of the Tariff Regulations, 2018, the non-tariff income shall be deducted from the Annual Fixed Cost in determining the Annual Fixed Cost of the Generation Company.

4.10.2. In view of the above regulations, the details of non-tariff income for FY 2020-21 are shown in the table below

Table 38: Station-wise details of Non-tariff income for FY 2020-21

Rs. Cr

Station	Approved as per order of March 2020	As per Audited Accounts for FY 2020
<b>NTPS</b>	7.13	8.54
<b>LTPS</b>	9.22	17.38
<b>KLHEP</b>	5.75	10.07
<b>LRPP</b>	0.00	0.00
<b>Total</b>	<b>22.10</b>	<b>35.99</b>

4.10.3. As per audited accounts for FY 2020-21, total other income appeared as 87.71 Crore. But, due to written off amount of sundry credit balances relating to GPF liabilities and provision for liabilities for expenses of Rs. 51.72 Crore, APGCL has claimed 35.99 crore for FY 2020-21 as other Income.

4.10.4. APGCL prays to the Hon'ble Commission to approve the plant wise Non-tariff income for FY 2020-21 as shown above.



## 5. Energy Charges

### 5.1. Fuel Price and Calorific Value

5.1.1. As per Regulation 10 of the Tariff Regulations 2018, 'Fuel Price' and 'Calorific Value of Fuel' are uncontrollable items. The actual values of 'Fuel Price' and 'Calorific Value of Fuel' are shown in the table below:

Table 39: Actual Plant wise GCV and Price for FY 2020-21

Station	Wt. Avg. Gross Calorific Value of Gas (kcal/SCM)	Wt. Avg. Price of Gas (Rs. /1000 SCM)
NTPS	9149.49	4022.24
LTPS	9281.86	5799.31
LRPP	9281.86	5851.16

5.1.2. The Petitioner prays to the Hon'ble Commission to approve the actual Price of Gas and GCV for NTPS, LTPS and LRPP for FY 2020-21 as shown in the table above.

### 5.2. Fuel cost

5.2.1. The table below shows the plant wise approved fuel cost and the actual total fuel cost incurred for FY 2020-21

Table 40: Fuel cost for NTPS for FY 2020-21

Particulars	Unit	Approved as per order of March 2020	Claim
Gross Generation	MU	173.73	231.08
Heat Rate	kCal/kWh	3900	4319.79
GCV of gas	kCal/kWh	9132.69	9149.49
Overall Heat	G. cal.	677547	998212
Gas consumption	M. SCM	74.19	109.10
Price of Gas	Rs. /1000 SCM	6257.52	4022.24
<b>Total cost of Gas</b>	<b>Rs. Crore</b>	<b>46.42</b>	<b>43.88</b>

Table 41: Fuel cost for LTPS for FY 2020-21

Particulars	Unit	Approved as per order of March 2020	Claim
Gross Generation	MU	425.74	447.57
Heat Rate	kCal/kWh	3200	2501.94
GCV of gas	kCal/kWh	9328.96	9281.86
Overall Heat	G. cal.	1362368	1119800
Gas consumption	M. SCM	146.04	120.64
Price of Gas	Rs. /1000 SCM	8553.56	5799.31



Particulars	Unit	Approved as per order of March 2020	Claim
Total cost of Gas	Rs. Crore	124.91	69.97

Table 42: Fuel cost for LRPP for FY 2020-21

Particulars	Unit	Approved as per order of March 2020	Claim
Gross Generation	MU	519.40	477.07
Heat Rate	kCal/kWh	2150	2142.89
GCV of gas	kCal/kWh	9328.96	9281.86
Overall Heat	G. cal.	1116710	1022317
Gas consumption	M. SCM	119.70	110.14
Price of Gas	Rs./1000 SCM	8553.56	5851.16
Total cost of Gas	Rs. Crore	102.39	64.45

5.2.2. APGCL humbly submits that there is a difference in the Price of Gas for LTPS and LRPP at Rs. 5,799.61 / 1000 SCM and Rs. 5,851/ 1000 SCM. Though the gas supply source is same for both the plants, the difference in price is due to the gas consumption as per the gas meter at the LTPS/LRPP compound and actual generation achieved by the plants. The below table illustrates the plant wise and total gas bill for both LTPS and LRPP.

Table 43: Gas Price Reconciliation Table for LTPS and LRPP for FY2020-21

Particulars	Unit	LTPS	LRPP	Total
Gas Bill Amount	Rs. Crore	69.97	64.45	134.10
Gas Consumption	MMSCM	120.644	110.141	230.79
Gas Price	Rs / 1000 SCM	5799.31	5851.16	5,824

5.2.3. The Petitioner prays to the Hon'ble Commission to approve the actual Fuel cost Price for NTPS, LTPS and LRPP for FY 2020-21 as shown in the table above.

### 5.3. Incentives

5.3.1. Secondary charge for KLHEP: As per regulation 53.6 of the Tariff Regulations 2018, for a hydro power station if the actual saleable energy in a year exceeds Design energy the Energy Charge for such energy is billed equal to the lowest variable charges of the central sector thermal power generating stations in the north east region.

5.3.2. For the FY 2020-21, APGCL has no claim towards secondary charge for KLHEP.

5.3.3. As per regulation 53.2 of the Tariff Regulations 2018, incentive payable to hydro power plants for achieving higher availability than normative availability is inclusive of the Annual fixed cost.

5.3.4. APGCL has not claimed any incentive for KLHEP for FY 2020-21.



## 5.4. Revenue from sale of power

5.4.1. The plant wise Revenue from Sale of Power for FY 2020-21 are as shown in the tables below.

Table 44: Plant wise Revenue from Sale of Power for FY 2020-21

Rs. Cr

Particulars	Fixed/Capacity charges	Variable charges	Total Revenue appeared in Accounts FY 2020-21	Approved as per order of March 2020	Total Revenue claimed in True up for FY 2020-21
NTPS	19.7	39.1	58.8	66.1	58.8
LTPS	60.1	85.4	145.5	185.0	145.5
LRPP	17.8	25.0	42.8	96.3	42.8
KLHEP	33.5	65.2	98.7	135.9	98.7
MSHEP	0.0	6.8	6.8	0.0	
<b>Total</b>	<b>131.1</b>	<b>221.5</b>	<b>352.6</b>	<b>483.2</b>	<b>345.85</b>

5.4.2. The Petitioner prays to the Hon'ble Commission to approve the plant wise Sale of Power for FY 2020-21 as discussed in the table above.

## 6. Summary of submissions for True-up of FY 2020-21

### 6.1. Net Annual Revenue Requirement

6.1.1. The plant wise Net Annual Revenue Requirements for FY 2020-21 are as shown in the tables below.

Table 45: Net Annual Revenue Requirements for NTPS for FY 2020-21

Sl. No	Particulars	Approved as per order of March 2020	Amount claimed for True-Up
I	POWER GENERATION (MU)		
	Gross Generation	173.73	231.08
	Net Generation	165.91	218.73
	Auxiliary Consumption Loss %	4.50%	5.35%
I	Fixed Charges		
	Operation & Maintenance Expenditure	20.08	36.07
	Interest & Finance Charges	0.17	0.10
	Interest on working Capital	2.66	3.16



Sl. No	Particulars	Approved as per order of March 2020	Amount claimed for True-Up
	Depreciation	0.68	1.45
	Return on Equity	3.10	8.53
	Income taxes	0.00	0.00
	Special R&M	0.00	0
	Capacity Building	0.10	0.004
	<u>Less: Other Income</u>	-7.13	-8.54
<b>II</b>	<b>Total Fixed Charges</b>	<b>19.66</b>	<b>40.76</b>
<b>III</b>	<b>Fuel Cost</b>	<b>46.42</b>	<b>43.88</b>
<b>IV</b>	<b>Total Revenue Requirement</b>	<b>66.09</b>	<b>84.65</b>
<b>V</b>	<b>Incentive for generation for FY 2020-21</b>	<b>0</b>	<b>0</b>
<b>VI</b>	<b>Total Cost</b>	<b>66.09</b>	<b>84.65</b>
<b>VII</b>	<b>Revenue from Sale of Power</b>	<b>66.09</b>	<b>58.78</b>
<b>VIII</b>	<b>Revenue Gap (+) / Surplus (-)</b>	<b>0.00</b>	<b>25.86</b>

Table 46: Net Annual Revenue Requirements for LTPS for FY 2020-21

Rs. Cr

Sl. No	Particulars	Approved as per order of March 2020	Amount claimed for True-Up
<b>I</b>	<b>POWER GENERATION (MU)</b>		
	Gross Generation	425.74	447.57
	Net Generation	402.32	410.61
	Auxiliary Consumption Loss %	5.50%	8.26%
<b>I</b>	<b>Fixed Charges</b>		
	Operation & Maintenance Expenditure	24.31	41.19
	Interest & Finance Charges	0.17	0.18
	Interest on working Capital	5.67	4.36
	Depreciation	10.92	11.45
	Return on Equity	15.16	22.18
	Income taxes	0.00	0.00
	Special R&M	13.00	0
	Capacity Building	0.10	0.004
	<u>Less: Other Income</u>	-9.22	-17.38
<b>II</b>	<b>Total Fixed Charges</b>	<b>60.11</b>	<b>61.98</b>
<b>III</b>	<b>Fuel Cost</b>	<b>124.91</b>	<b>69.97</b>
<b>IV</b>	<b>Total Revenue Requirement</b>	<b>185.02</b>	<b>131.94</b>





Sl. No	Particulars	Approved as per order of March 2020	Amount claimed for True-Up
V	Incentive for generation for FY 2020-21	0	0.00
VI	Total Cost	185.02	131.94
VII	Revenue from Sale of Power	185.02	145.53
VIII	Revenue Gap (+) / Surplus (-)	0.00	-13.59



Table 47: Net Annual Revenue Requirements for KLHEP for FY 2020-21

Rs. Cr

Sl. No	Particulars	Approved as per order of March 2020	Amount claimed for True-Up
I	POWER GENERATION (MU)		
	Gross Generation	390.00	202.62
	Net Generation	388.05	202.05
	Auxiliary Consumption Loss %	0.50%	0.28%
I	Fixed Charges		
	Operation & Maintenance Expenditure	30.34	30.34
	Interest & Finance Charges	21.05	18.78
	Interest on working Capital	2.59	2.79
	Depreciation	22.19	21.14
	Return on Equity	10.64	10.64
	Income taxes	0.00	0.00
	Special R&M	15.10	24.24
	Capacity Building	0.10	0.002
	Less: Other Income	-5.75	-10.07
II	<b>Total Fixed Charges</b>	<b>96.26</b>	<b>97.87</b>
III	<b>Fuel Cost</b>	<b>0.00</b>	<b>0.00</b>
IV	<b>Total Revenue Requirement</b>	<b>96.26</b>	<b>97.87</b>
V	<b>Incentive for generation &amp; Secondary energy generation for FY 2020-21</b>	0	0.0
VI	<b>Total Cost</b>	<b>96.26</b>	<b>97.87</b>
VII	<b>Revenue from Sale of Power</b>	<b>96.26</b>	<b>42.84</b>
VIII	<b>Revenue Gap (+) / Surplus (-)</b>	<b>0.00</b>	<b>55.03</b>

Table 48: Net Annual Revenue Requirements for LRPP for FY 2020-21

Rs. Cr

Sl. No	Particulars	Approved as per order of March 2020	Amount claimed for True-Up
I	POWER GENERATION (MU)		
	Gross Generation	519.40	477.07
	Net Generation	501.22	467.41
	Auxiliary Consumption Loss %	3.50%	2.03%



Sl. No	Particulars	Approved as per order of March 2020	Amount claimed for True-Up
I	Fixed Charges		
	Operation & Maintenance Expenditure	21.30	21.30
	Interest & Finance Charges	3.05	2.89
	Interest on working Capital	4.41	2.97
	Depreciation	2.34	2.68
	Return on Equity	2.37	2.44
	Income taxes	0.00	0.00
	Special R&M	0.00	0
	Capacity Building	0.00	0.00
	<u>Less:</u> Other Income	0.00	0.00
II	<b>Total Fixed Charges</b>	<b>33.47</b>	<b>32.28</b>
III	<b>Fuel Cost</b>	<b>102.39</b>	<b>64.45</b>
IV	<b>Total Revenue Requirement</b>	<b>135.86</b>	<b>96.72</b>
V	<b>Incentive for generation for FY 2020-21</b>	<b>0</b>	<b>0</b>
VI	<b>Total Cost</b>	<b>135.86</b>	<b>96.72</b>
VII	<b>Revenue from Sale of Power</b>	<b>135.86</b>	<b>98.70</b>
VIII	<b>Revenue Gap (+) / Surplus (-)</b>	<b>0.00</b>	<b>-1.98</b>

## 6.2. Summary

6.2.1. The summary of the True-up for FY 2020-21 For APGCL is as shown below.

Table 49: True-up for FY 2020-21 for APGCL (in Crores)

Sl. No	Particulars	Approved as per order of March 2020	Amount claimed for True-Up
I	POWER GENERATION (MU)		
	Gross Generation	1508.87	1358.34
	Net Generation	1457.51	1298.80
	Auxiliary Consumption Loss %	3.40%	4.38%
I	Fixed Charges		
	Operation & Maintenance Expenditure	96.03	128.90
	Interest & Finance Charges	24.45	21.95
	Interest on working Capital	15.34	13.28
	Depreciation	36.13	36.72
	Return on Equity	31.27	43.78
	Income taxes	0.00	0.00
	Special R&M	28.10	24.24



Sl. No	Particulars	Approved as per order of March 2020	Amount claimed for True-Up
	Capacity Building	0.30	0.009
	Less: Other Income	-22.10	-35.99
II	<b>Total Fixed Charges</b>	<b>209.50</b>	<b>232.89</b>
III	<b>Fuel Cost</b>	<b>273.73</b>	<b>178.29</b>
IV	<b>Total Revenue Requirement</b>	<b>483.22</b>	<b>411.18</b>
V	<b>Incentive for generation and Secondary Energy generation for FY 2020-21</b>	0	0
VII	<b>Total Cost</b>	<b>483.22</b>	<b>411.18</b>
VIII	<b>Revenue from Sale of Power</b>	<b>483.23</b>	<b>345.85</b>
X	<b>Revenue Gap (+) / Surplus (-)</b>	<b>0.00</b>	<b>65.33</b>

6.2.2. The Petitioner prays to the Hon'ble Commission to approve the plant wise Net Annual Revenue Requirement for FY 2020-21 as discussed in the tables above.

### 6.3. Adjustment of Revenue Gap / Surplus

6.3.1. The plant wise Revenue Gap / Surplus and for APGCL has a whole are shown in the table below.

Table 50: Revenue Gap / Surplus amount for APGCL for FY 2020-21

Rs. Cr

Particulars	NTPS	LTPS	KLHEP	LRPP	APGCL as a whole
					Amount claimed for True-Up
Total Cost	84.65	131.94	97.87	96.72	411.18
Revenue from Sale of Power	58.78	145.53	42.84	98.70	345.85
<b>Revenue Gap (+) / Surplus (-)</b>	<b>25.86</b>	<b>-13.59</b>	<b>55.03</b>	<b>-1.98</b>	<b>65.33</b>

6.3.2. As the Hon'ble Commission has not provided for Carrying Cost on Revenue Gap or Surplus in the MYT Regulations, 2018, APGCL has not claimed any carrying cost for the above.

6.3.3. In view of the above, APGCL has not claimed the carrying cost for APGCL as a whole. The Total True-up Claim is shown in the table below

Table 51: Total True-up Claim for APGCL for FY 2020-21

Rs. Cr

True-up Claim	FY 2020-21
Revenue Gap for 2020-21	65.33



True-up Claim	FY 2020-21
<b>Total True-up Claim</b>	<b>65.33</b>

6.3.4. We submit that the CAG Comments on Accounts for FY2020-21 will be submitted in due course.

6.3.5. The Petitioner prays to the Hon'ble Commission to approve the total True-up Claim including carrying cost for FY 2020-21 as discussed in the table above.

#### **6.4. Mechanism of recovery of Surplus/Gap of FY 2020-21**

6.4.1. APGCL humbly submits that the revenue gap obtained for FY 2020-21 may be allowed to be recovered from APDCL in 12 equal monthly instalments in FY 2022-23, over and above the tariff for FY 2022-23.

6.4.2. There is no provision for Carrying Cost on Revenue Gap or Surplus in the existing MYT Regulations, 2018. Thus, APGCL has not claimed any carrying cost for the above.



APPEAL FOR ANNUAL PERFORMANCE REVIEW FOR  
FY 2021-22  
To  
ASSAM ELECTRICITY REGULATORY COMMISSION



Prepared by  
ASSAM POWER GENERATION CORPORATION LTD  
Bijulee Bhawan, Paltanbazar  
Guwahati – 781 001

AFFIDAVIT – ANNUAL PERFORMANCE REVIEW

BEFORE THE ASSAM STATE ELECTRICITY REGULATORY  
COMMISSION, GUWAHATI.

Petition No. –

Case No.  
(to be filed by the Office)

IN THE MATTER OF

Filing of Annual Performance Review of the FY 2021-22.

AND

IN THE MATTER OF  
Assam Power Generation Corporation Limited  
Bijulee Bhawan, Paltanbazar,  
Guwahati-781 001.

Petitioner

I, Sri Mokshada Prasad Sarma, Son of Sri Sarada Prasad Sarma, aged 59 years, residing at Flat No. 1/A1, Puberun Apartment, Ghoramara, P.O. Beltola, Guwahati-781028, do solemnly affirm and say as follows:

I am the General Manager (HQ) of Assam Power Generation Corporation Limited, the petitioner in the above matter and am duly authorized by the said Petitioner to make this affidavit for and on behalf of the Assam Power Generation Corporation Limited.

The Statement made in the Petition based on information received from official records and I believe them to reflect truly and no material has been concealed from the statements so made or documents or supporting data etc. attached.

Solemnly affirm at Guwahati on 29<sup>th</sup> November' 2021 that the contents of this affidavit are true to my knowledge, no part of it is false or no material has been concealed therefore and misleading material included therein.

**Deponent**

Place: Guwahati

Date: 29<sup>th</sup> November' 2021

  
(Mokshada Prasad Sarma)  
General Manager (HQ),  
Assam Power Generation Corporation Ltd.

By order of the Commission

Secretary of the Commission



## PRAYER – ANNUAL PERFORMANCE REVIEW

BEFORE THE HON'BLE ASSAM ELECTRICITY REGULATORY COMMISSION

FILINGNO .....

CASENO .....

**IN THE MATTER OF:**

Petition for Annual Performance Review of the FY 2021-22

**AND IN THE MATTER OF:**

Assam Power Generation Corporation Limited incorporated under the provisions of the Companies Act, 1956 and having its registered office in the State of Assam.

**THE HUMBLE APPLICANT ABOVE NAMED MOST RESPECTFULLY SHEWETH:**

- i. That the Assam Power Generation Corporation Limited, hereinafter named as APGCL, is a successor corporate entity, formed in pursuant to the notification of the Government of Assam, notified under sub-sections (1), (2), (5), (6) and (7) of Section 131 and Section 133 of the Electricity Act 2003 (Central Act 36 of 2003), for the purpose of transfer and vesting of functions, properties, interests, rights, obligations and liabilities, along with the transfer of Personnel of the Board to the successor corporate entities.
- ii. That the APGCL is a company incorporated with the main object of generation of electricity in the state of Assam.
- iii. That the APGCL is a generating company under the provisions laid down in Section 14 Proviso 5, read with Section 131 (2) of the Electricity Act 2003.
- iv. That the APGCL submitted petitions for Revised ARR and tariff for the FY 2021-22 to the AERC on 03/12/2020.
- v. That the AERC declared tariff for FY 2021-22 on 15/02/2021 with effectuation date from 1/04/2021.
- vi. That the licensee is filing the Petition for Annual Performance Review for FY 2021-22 as per relevant regulation.

Place: Guwahati

Date: 29<sup>th</sup> November, 2021

Deponent



(Mokshada Prasad Sarma)  
General Manager (HQ),  
Assam Power Generation Corporation Ltd.





## 7. Present status of NTPS, LTPS, KLHEP and LRPP

Table 52: Present Status of NTPS Units

Unit No.	Installed Capacity (MW)	Average Generation (In MW)	Present Status
2 (GT)	21	17	Unit is under operation
3 (GT)	21	15	Unit is available but not in operation due to insufficient Gas Supply
4 (GT)	11	Decommissioned	Unit 4 and Unit 5 have been decommissioned w.e.f. 20 <sup>th</sup> August 2020
5 (ST)	24		
6 (WHRU with GTs 2 & 3)	22.5	10	Unit not in operation due to shortage of Manpower as all manpower shifted to NRPP Operation

Table 53: Present Status of LTPS Units

Unit No.	Installed Capacity (MW)	Maximum Operating Capacity (MW)	Present Status
5 (GT)	20	20	The Unit is standby due to non-availability of Gas Compressor.
6 (GT)	20	20	Unit available and running normally
7 (GT)	20	20	Unit available and running normally
8 (STG)	37.2	35	Unit available and running normally

Table 54: Present Status of KLHEP Units

Unit No.	Installed Capacity (MW)	Present Status
1	50	Major overhauling of unit is completed in FY 2020-21 on date 16 <sup>th</sup> February 2021. Unit is now available and running normally.
2	50	Unit 2 is available and running normally. Major overhauling of unit # 2 is planned and executed by the end of FY 2022-23.

Table 55: Present Status of LRPP Unit

Unit No.	Installed Capacity (MW)	Remarks
1	9.965	All units are running normally
2	9.965	
3	9.965	
4	9.965	
5	9.965	
6	9.965	
7	9.965	



## 8. Annual Performance Review of FY 2021-22

### 8.1. Regulatory provisions

8.1.1. The Hon'ble Commission in its regulation has stated the following on Annual Performance Review of various costs under the Assam Electricity Regulatory Commission (Terms and Conditions for determination of Multi Year Tariff) Regulations, 2018. The same is reproduced below for ready reference:

*"9 Annual Performance Review and True Up*

*9.1 Where the aggregate revenue requirement and expected revenue from tariff and charges of a Generating Company or Transmission Licensee or Distribution Licensee or SLDC is covered under a Multi-Year Tariff framework, then such Generating Company or Transmission Licensee or Distribution Licensee or SLDC, as the case may be, shall be subject to an annual performance review and true up during the Control Period in accordance with this Regulation.*

*9.2 The Generating company, Transmission Licensee and the Distribution Licensee shall file an application for annual performance review of current year, true-up of previous year and tariff for the ensuing year not less than 120 days before the close of each year of the control period..*

*Provided that the Generating Company or Transmission Licensee or Distribution Licensee or SLDC, as the case may be, submit to the Commission information in such form as may be stipulated by the Commission, together with the Accounting Statements, extracts of books of account and such other details as the Commission may require to assess the reasons for and extent of any variation in financial performance from the approved forecast of Aggregate Revenue Requirement and actual revenue from tariff and charges.*

*Provided that the Petition for Truing Up shall be accompanied by Audited Annual Accounts, duly certified by the Statutory Auditor and CAG.*

*Provided that the information sought by the Commission shall be submitted in the formats as prescribed by the Commission.*

*9.3 The scope of the Annual Performance review and True up shall be a comparison of the actual performance of the Generating Company or Transmission Licensee or SLDC or Distribution Licensee with the approved forecast of Aggregate Revenue Requirement and expected revenue from tariff and charges and shall comprise the following:*

*a).....*

*b) Annual Performance Review: a comparison of the performance targets estimated to be achieved for the current financial year(based on 6 months actual data) with the approved forecast for that financial year including adjusting trajectories of uncontrollable if needed.*

*c) Categorisation of variations in performance with reference to approved forecast into factors within the control of the applicant (controllable items) and those caused by factors beyond the control of the applicant (un-controllable items)*

*Provided such categorization of the controllable and uncontrollable items shall be done in accordance with Regulation 10of this regulation.*

## 9. Norms of operations

### 9.1. Regulatory provisions

9.1.1. The Hon'ble Commission had set norms of operations under Regulation 46 of Tariff Regulations 2018.

9.1.2. The 6 months actual and 6 months estimated performance vis-a-vis norms of operations set is discussed below:

### 9.2. Installed and Effective Capacity in FY 2021-22

9.2.1. APGCL submits the following Installed & Effective Capacity for FY 2021-22

Table 56: Installed & Effective Capacity for FY 2021-22

Station	Installed Capacity (MW)	No. of Units	Units Decommissioned	Units Available for Generation & Capacity in MW	Effective Capacity
NTPS	119.5	6	1 4,5	2 or 3(21MW), 6 (22.50 MW-WHRU)	<b>64.5 MW</b> (1 <sup>st</sup> April 2021 – 15 <sup>th</sup> July 2021)  <b>43.5 MW</b> (16 <sup>th</sup> July 2021 – 31 <sup>st</sup> March 2022)  Total Weighted Average Effective Installed Capacity = <b>49.60 MW</b>
LTFS	142.2	8	1,2,3,4	5,6,7(20 MW Each),8 (37.20 MW-WHRU)	97.2 MW
KLHEP	100	2	0	1 (50), 2(50)	100 MW
LRPP	69.755	7	0	1-7 (9.965 each)	69.755 MW

### 9.3. Snapshot of plant wise performance for FY 2021-22

9.3.1. The NRPP was commissioned on dated 16<sup>th</sup> July 2021. At present, it is running normally with installed capacity of 98.4 MW.

9.3.2. The following table shows the operating performance parameters of Namrup thermal power station for FY 2021-22

Table 57: Operating Performance for FY 2021-22 of NTPS

NTPS	Approved as per Order of February 2021	April - Sep (actual)	Oct - March (estimated)	Estimated total
Gross Energy in MU	145.21	86.45	58.76	145.21
Aux. Power Cons. (%)	4.50%	5.52%	4.50%	5.1%



<b>NTPS</b>	<b>Approved as per Order of February 2021</b>	<b>April - Sep (actual)</b>	<b>Oct - March (estimated)</b>	<b>Estimated total</b>
<b>Net Energy in MU</b>	138.68	81.68	56.11	137.80
<b>Availability (%)</b>	50.00%	44.89%	50.00%	47%
<b>PLF (%) for incentive</b>	50.00%	39.26%	50.00%	45%
<b>Gross Station Heat Rate on GCV (kcal/ kWh)</b>	3900	4976	3900	4438
<b>Wt. Avg. Price of Gas (Rs./1000 SCM)</b>	3537.22	3781.73	5621.90	4702

9.3.3. The following table shows the operating performance parameters of Lakwa thermal power station for FY 2021-22.

*Table 58: Operating Performance for FY 2021-22 of LTPS*

<b>LTPS + WHRU</b>	<b>Approved as per Order of February 2021</b>	<b>April - Sep (actual)</b>	<b>Oct - March (estimated)</b>	<b>Estimated total</b>
<b>Gross Energy in MU</b>	425.74	185.61	212.28	397.90
<b>Aux. Power Cons. (%)</b>	5.50%	9.42%	5.50%	7.3%
<b>Net Energy in MU</b>	402.32	168.13	200.61	368.74
<b>Availability (%)</b>	50.00%	51.13%	50.00%	50.6%
<b>PLF (%) for incentive</b>	66.00%	41.67%	50.00%	45.8%
<b>Gross Station Heat Rate on GCV (kcal/ kWh)</b>	3200	2378	3200	2788.90
<b>Wt. Avg. Price of Gas (Rs./1000 SCM)</b>	4923.31	5010.53	7935.55	6473

9.3.4. The following table shows the operating performance parameters of Karbi Langpi hydroelectric power station for FY 2021-22.

*Table 59: Operating Performance for FY 2021-22 of KLHEP*

<b>KLHEP</b>	<b>Approved as per Order of February 2021</b>	<b>April - Sep (actual)</b>	<b>Oct - March (estimated)</b>	<b>Estimated total</b>
<b>Gross Energy in MU</b>	390.00	200.25	189.75	390.00
<b>Aux. Power Cons. (%)</b>	0.50%	0.50%	0.50%	0.50%
<b>Net Energy in MU</b>	388.05	199.24	188.81	388.05
<b>Availability (%)</b>	85.00%	95.12%	85.00%	90.06%
<b>PLF (%) for incentive</b>	44.50%	59.67%	44.50%	52.08%

9.3.5. The following table shows the operating performance parameters of LRPP power station for FY 2021-22.

*Table 60: Operating Performance for FY 2021-22 of LRPP*

LRPP	Approved as per Order of February 2021	April - Sep (actual)	Oct - March (estimated)	Estimated total
Gross Energy in MU	519.40	262.02	257.38	519.40
Aux. Power Cons. (%)	3.50%	1.80%	3.50%	2.64%
Net Energy in MU	501.22	257.30	248.37	505.67
Availability (%)	85.00%	90.42%	85.00%	87.71%
PLF (%)	90.00%	87.03%	90.00%	88.52%
Gross Station Heat Rate on GCV (kcal/ kWh)	2150	2175	2150	2163
Wt. Avg. Price of Gas (Rs./1000 SCM)	4923.31	5013.08	7935.55	6474

#### 9.4. Normative Annual Plant Availability Factor (NAPAF)

9.4.1. As per Regulation 47.1 of the MYT Regulations, 2018 the Normative Plant Availability factor for recovery of full fixed charges, is 50% for FY 2021-22 for NTPS. However due to the problem of low gas supply and frequent forced shutdown of the aged units/auxiliaries, normative Plant Availability factor may not be achieved.

9.4.2. In view of the above, APGCL prays to the Hon'ble Commission to approve the revised estimated availability for FY 2021-22 as shown in the table below

*Table 61: Availability for 2021-22 of NTPS*

NTPS	Approved as per Order of February 2021	April - Sep (actual)	Oct - March (estimated)	Estimated total
Plant Availability Factor (%)	50.00%	44.89%	50.00%	47%

9.4.3. As per Regulation 47.1 of the MYT Regulations, 2018 the Normative Plant Availability factor for recovery of full fixed charges, is 50% for FY 2021-22 for LTPS. The approved and estimated numbers are shown in the table below.

*Table 62: Availability for 2021-22 of LTPS*

LTPS	Approved as per Order of February 2021	April - Sep (actual)	Oct - March (estimated)	Estimated total
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Plant Availability Factor (%)	50.00%	51.13%	50.00%	50.6%
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9.4.4. Further, Regulation 49, of MYT Regulations, 2018 specifies normative PAF for KLHEP as 85% for FY 2021-22. The approved and estimated numbers are shown in the table below.

*Table 63: Availability for 2021-22 of KLHEP*

KLHEP	Approved as per Order of February 2021	April - Sep (actual)	Oct - March (estimated)	Estimated total
Plant Availability Factor (%)	85.00%	95.12%	85%	90.06%

9.4.5. The Hon’ble Commission had approved NAPAF of 85% for LRPP for FY 2021-22 in its order of February 2021. The approved and projected numbers are shown in the table below.

*Table 64: Availability for 2021-22 of LRPP*

LRPP	Approved as per Order of February 2021	April - Sep (actual)	Oct - March (estimated)	Estimated total
Plant Availability Factor (%)	85.00%	90.42%	85.00%	87.71%

APGCL prays to the Hon’ble Commission to approve the estimated NAPAF for the plants as shown above for recovery of fixed charges for FY 2021-22.

### 9.5. Normative Annual Plant Load Factor (NAPLF)

9.5.1. As per Regulation 47.1 of the Tariff Regulations, 2018 the Normative Plant Load factor for NTPS is 50% for FY 2021-22. The Hon’ble Commission had also approved the same for NTPS in its order February 2021. However, due to the lower gas supply, grid constraint and issues of aging and frequent forced shutdowns the plant has not been able to achieve normative PLF. The actual and projected numbers are shown in the table below.

*Table 65: Plant Load Factor for 2021-22 of NTPS*

NTPS	Approved as per Order of February 2021	April - Sep (actual)	Oct - March (estimated)	Estimated total
Plant Load Factor (%)	50.00%	39.26%	50.00%	45%

9.5.2. As per Regulation 47.1 of the Tariff Regulations, 2018 the Normative Plant Load factor for LTPS is 66% for FY 2021-22 The Hon'ble Commission had also approved the same for LTPS in its order of February 2021. The actual and projected numbers are shown in the table below.

*Table 66: Plant Load Factor for 2021-22 of LTPS*

LTPS	Approved as per Order of February 2021	April - Sep (actual)	Oct - March (estimated)	Estimated total
Plant Load Factor (%)	66.00%	41.67%	50.00%	45.80%

9.5.3. As per Regulation 49.1 of the Tariff Regulations, 2018, normative PLF for KLHEP as 44.5%. The Hon'ble Commission had also approved the same for FY 2021-22 in its order of February 2021. The approved and estimated numbers are shown in the table below.

*Table 67: Plant Load Factor for 2021-22 of KLHEP*

KLHEP	Approved as per Order of February 2021	April - Sep (actual)	Oct - March (estimated)	Estimated total
Plant Load Factor (%)	44.50%	59.67%	44.5%	52.08%

9.5.4. The Hon'ble Commission had approved 90% as PLF for incentive for LRPP for FY 2021-22 in its order of February 2021. It had considered generation projection at PLF of 85% for FY 2021-22. APGCL has projected the PLF at normative availability but will try to achieve the approved Plant Load Factor during the year. The actual and estimated numbers are shown in the table below.

*Table 68: Plant Load Factor for 2021-22 of LRPP*

LRPP	Approved as per Order of February 2021	April - Sep (actual)	Oct - March (estimated)	Estimated total
Plant Load Factor (%)	90.00%	87.03%	90.00%	88.52%

## 9.6. Gross Station Heat Rate (SHR)

9.6.1. As per Regulation 47.4, of the Tariff Regulations, 2018 the Normative Station Heat Rate, is 3900 kCal/kWh for FY 2021-22 for NTPS in combined cycle mode of operation.

9.6.2. We submit that the SHR of NTPS is estimated to be higher than the approved SHR in FY 2021-22 due to part loading of units, lower gas supply and evacuation constraints and old nature of the plant equipment and machinery. In view of the above, APGCL prays to the Hon'ble Commission to approve the estimated SHR as it is increased due to uncontrollable factors.

9.6.3. The approved and estimated numbers are shown in the table below.

Table 69: SHR for 2021-22 of NTPS

NTPS	Approved as per Order of February 2021	April - Sep (actual)	Oct - March (estimated)	Estimated total
Station Heat Rate (kCal/kWh)	3900	4976	3900	4438

9.6.4. As per Regulation 47.4, of the Tariff Regulations, 2018 the Normative Station Heat Rate, is 3200 kCal/kWh for FY 2021-22 for LTPS in Partial combined cycle mode of operation. APGCL has considered the SHR at actuals for the first 6 months and normative for rest of the year. The approved and estimated numbers are shown in the table below.

Table 70: SHR for 2021-22 of LTPS

LTPS	Approved as per Order of February 2021	April - Sep (actual)	Oct - March (estimated)	Estimated total
Station Heat Rate (kCal/kWh)	3200	2378	3200	2788.9

9.6.5. The Hon'ble Commission had approved SHR of 2,150 kCal/kWh for LRPP for FY 2021-22 in its order of February 2021. The approved and estimated numbers are shown below:

Table 71: SHR for 2021-22 of LRPP

LRPP	Approved as per Order of February 2021	April - Sep (actual)	Oct - March (estimated)	Estimated total
Station Heat Rate (kCal/kWh)	2150	2175	2150	2163

## 9.7. Auxiliary Energy Consumption

9.7.1. As per Regulation 47.3 of the Tariff Regulations, 2018 the Normative Auxiliary energy consumption is 4.50% for FY 2021-22 for NTPS. We submit that the auxiliary consumption of NTPS is estimated to be higher than the approved auxiliary consumption in FY 2021-22 due to part loading of units. In view of the above, APGCL prays to the Hon'ble Commission to approve the estimated auxiliary consumption as it is expected to increase due to uncontrollable factors.

9.7.2. The approved and estimated numbers are shown in the table below.

Table 72: Auxiliary energy consumption for 2021-22 of NTPS

NTPS	Approved as per Order of February 2021	April - Sep (actual)	Oct - March (estimated)	Estimated total
Auxiliary energy consumption (%)	4.50%	5.52%	4.50%	5.10%





9.7.3. As per Regulation 47.3 of the Tariff Regulations, 2018 the Normative Auxiliary energy consumption, is 5.50% for FY 2021-22 for LTPS. The same has been approved by the Hon'ble Commission in its order of February 2021. The actual and projected numbers are shown in the table below.

9.7.4. We submit that the Auxiliary consumption of LTPS is expected to be higher than the approved values due to low gas pressure in supply of gas, the usage of gas compressors increases resulting in high auxiliary consumption of LTPS. As gas pressure in supply of gas is an uncontrollable factor for APGCL, we pray to the Hon'ble Commission to approve the estimated auxiliary consumption for FY 2021-22

9.7.5. The approved and estimated numbers are shown in the table below.

*Table 73: Auxiliary energy consumption for 2021-22 of LTPS*

LTPS	Approved as per Order of February 2021	April - Sep (actual)	Oct - March (estimated)	Estimated total
Auxiliary energy consumption (%)	5.50%	9.42%	5.50%	7.3%

9.7.6. As per Regulation 49.1 of the Tariff Regulations, 2018 the Normative Auxiliary energy consumption, is 0.50% for KLHEP. The same has been approved by the Hon'ble Commission in its order of February 2021. The approved and actual numbers are shown in the table below.

*Table 74: Auxiliary energy consumption for 2021-22 of KLHEP*

KLHEP	Approved as per Order of February 2021	April - Sep (actual)	Oct - March (estimated)	Estimated total
Auxiliary energy consumption (%)	0.50%	0.50%	0.50%	0.50%

9.7.7. The Hon'ble Commission had approved Auxiliary Consumption of 3.5% for LRPP for FY 2021-22 in its order of February 2021. The approved and actual numbers are shown in the table below:

*Table 75: Auxiliary energy consumption for 2021-22 of LRPP*

LRPP	Approved as per Order of February 2021	April - Sep (actual)	Oct - March (estimated)	Estimated total
Auxiliary energy consumption (%)	3.50%	1.8%	3.50%	2.64%

9.7.8. The performance parameter certificate showing plant wise availability, generation, auxiliary consumption etc. issued by SLDC is are attached as Annexure No. 8.

## 10. Fixed Cost of the Plant

### 10.1. Annual fixed cost for FY 2021-22

10.1.1. The fixed cost of APGCL's power plants has been approved by AERC via order in case no. 20,21,22,23,24,25/2020 of dated 15<sup>th</sup> February 2021 for NTPS, LTPS, LRPP and KLHEP

10.1.2. As per regulation 42.1 of the AERC Tariff regulations, 2018 the following components have been considered for projecting of fixed cost for the power plants:

- (a) Return on Equity Capital
- (b) Interest on Loan capital
- (c) Depreciation
- (d) Operation and Maintenance Expenses
- (e) Interest on Working Capital
- (f) Less: Non-Tariff Income

10.1.3. For the computation of the fixed components, the Petitioner has considered the principles provided in the Tariff Regulations, 2018. These components have been discussed in detail in the following sections of the petition.

### 10.2. Return on Equity (ROE)

10.2.1. The Hon'ble Commission in its regulation 33 of Tariff Regulations 2018 has considered the pre-tax return on equity at 15.5% of equity capital.

10.2.2. The Petitioner has determined the Return on Equity (RoE) at a rate of 15.5% in accordance with the AERC Regulations, 2018. The Petitioner submits that there has been no addition in Equity in FY 2021-22 for NTPS, LTPS, KLHEP and LRPP.

10.2.3. The plant wise Return on Equity approved and claimed for FY 2021-22 has been shown in the table below:

Table 76: Computation of Plant wise Return in Equity for 2021-22

Rs. Cr

Station	Particulars	Approved as per order of February 2021	APR Petition for FY 2021-22 on effective capacity
NTPS	Opening Equity	55.00	55.00
	Closing Equity	55.00	55.00
	Rate of Return	15.50%	15.50%
	<b>Return on Equity</b>	<b>8.53</b>	<b>8.53</b>
	<b>Return on Equity for Effective Capacity</b>	<b>3.11</b>	
	Opening Equity	143.08	143.08
	Closing Equity	143.08	143.08



Station	Particulars	Approved as per order of February 2021	APR Petition for FY 2021-22 on effective capacity
LTPS	Rate of Return	15.50%	15.50%
	<b>Return on Equity</b>	<b>22.18</b>	<b>22.18</b>
	<b>Return on Equity for Effective Capacity</b>	<b>15.16</b>	
KLHEP	Opening Equity	68.65	68.65
	Closing Equity	68.65	68.65
	Rate of Return	15.50%	15.50%
	<b>Return on Equity</b>	<b>10.64</b>	<b>10.64</b>
	<b>Return on Equity for Effective Capacity</b>	<b>10.64</b>	
LRPP	Opening Equity	15.74	15.74
	Closing Equity	15.74	15.74
	Rate of Return	15.50%	15.50%
	<b>Return on Equity</b>	<b>2.44</b>	<b>2.44</b>
	<b>Return on Equity for Effective Capacity</b>	<b>2.44</b>	

10.2.4. APGCL prays to the Hon'ble Commission to approve the plant wise Return on Equity as shown above.

### 10.3. Interest on Loan Capital

10.3.1. As per Regulation 34 of the Tariff Regulations, 2018, the Commission will consider interest on Loan capital on normative basis with repayment equal to depreciation allowed for that year and rate of interest will be the weighted average rate of interest calculated on the basis of the actual loan portfolio at the beginning of each year.

10.3.2. In view of the above, the Petitioner has computed the Interest on long term Loan on normative basis for FY 2021-22. The Petitioner has considered normative loan portfolio and the repayment shown is considered equal to the depreciation for FY 2021-22. The interest rate has been considered as the expected weighted average rate of interest for FY 2021-22.

10.3.3. The finance charges are shown separately plant wise for FY 2021-22. The table below summarizes the interest on loan and finance charges considered for Annual Performance Review of FY 2021-22.

Table 77: Computation of Plant wise Interest and finance charges for 2021-22

Rs. Cr

Station	Particulars	Approved as per order of February 2021	APR Petition for FY 2021-22
NTPS	Net Normative Opening Loan	0.73	0.96
	Addition of normative loan during the year	1.90	0.00
	Normative Repayment during the year	1.48	0.88
	Net Normative Closing Loan	1.15	0.09
	Avg. Normative Loan	0.94	0.53
	Interest Rate	10.15%	10.90%
	Interest on Loan Capital	0.10	0.06
	Add: Bank Charges	0.00	0.00
	<b>Net Interest on Loan Capital</b>	<b>0.10</b>	
	<b>Net Interest on Loan Capital for Effective Capacity</b>	<b>0.03</b>	<b>0.06</b>
LTPS	Net Normative Opening Loan	0	3.29
	Addition of normative loan during the year	7.1	0.00
	Normative Repayment during the year	15.43	11.47
	Net Normative Closing Loan	0.00	0.00
	Avg. Normative Loan	0.00	1.64
	Interest Rate	10.15%	10.90%
	Interest on Loan Capital	0.00	0.18
	Add: Bank Charges	0.00	0.00
	<b>Net Interest on Loan Capital</b>	<b>0.00</b>	
	<b>Net Interest on Loan Capital for Effective Capacity</b>	<b>0.00</b>	<b>0.18</b>
KLHEP	Net Normative Opening Loan	187.89	174.19
	Addition of normative loan during the year	2.10	0.29
	Normative Repayment during the year	21.48	21.14
	Net Normative Closing Loan	168.51	153.34
	Avg. Normative Loan	178.20	163.77
	Interest Rate	10.15%	10.90%
	Interest on Loan Capital	18.09	17.86
	Add: Bank Charges	0.00	0.00
	<b>Net Interest on Loan Capital</b>	<b>18.09</b>	
	<b>Net Interest on Loan Capital for Effective Capacity</b>	<b>18.09</b>	<b>17.86</b>
	Net Normative Opening Loan	27.1	27.10
	Addition of normative loan during the year	0	0
	Normative Repayment during the year	2.68	2.68



Station	Particulars	Approved as per order of February 2021	APR Petition for FY 2021-22
LRPP	Net Normative Closing Loan	24.42	24.42
	Avg. Normative Loan	25.76	25.76
	Interest Rate	10.15%	10.90%
	Interest on Loan Capital	2.61	2.81
	Add: Bank Charges	0.00	0.00
	<b>Net Interest on Loan Capital</b>	<b>2.61</b>	<b>2.81</b>
	<b>Net Interest on Loan Capital for Effective Capacity</b>	<b>2.61</b>	
<b>Total</b>	<b>20.80</b>	<b>20.95</b>	
<b>Total for Effective Capacity</b>	<b>20.74</b>		

10.3.4. APGCL submits that the loan details and interest rates applicable for the first 6 months on PFC loans is submitted as part of Annexure No. 9 of this document.

10.3.5. APGCL further submits that the document specifying the interest rates applicable on Assam govt. loans @ 10% is attached as Annexure No. 7 of this document.

10.3.6. APGCL prays to the Hon'ble Commission to approve the Total interest and finance charges as shown above.

#### 10.4. Depreciation

10.4.1. The Hon'ble Commission in its Tariff Regulations, 2018 has provided the principles for determination of depreciation.

10.4.2. In view of the above, the Petitioner has computed the Depreciation considering Capital Cost of the asset admitted by the Commission with 10% salvage value. Also, depreciation on grants has been subtracted. The table below summarizes the plant wise Depreciation considered for Annual Performance Review of FY 2021-22

Table 78: Depreciation for 2021-22 of NTPS

Rs. Cr

Particulars	FY 2021-22
<b>Opening GFA</b>	190.39
<b>Addition during the year</b>	0.00
<b>Closing</b>	190.39
<b>Average GFA</b>	190.39
<b>Rate of Depreciation</b>	0.50%
<b>Total Depreciation</b>	<b>0.94</b>
<b>Grant</b>	13.16
<b>Additions during the year</b>	0.00



<b>Closing grant</b>	<b>13.16</b>
<b>Average grant</b>	<b>13.16</b>
<b>Rate of Depreciation</b>	<b>0.50%</b>
<b>Depreciation on grants</b>	<b>0.07</b>
<b>Net Depreciation</b>	<b>0.88</b>

Table 79: Depreciation for 2021-22 of LTPS

Rs. Cr

<b>Particulars</b>	<b>FY 2021-22</b>
<b>Opening GFA</b>	<b>500.60</b>
<b>Addition during the year</b>	<b>0.00</b>
<b>Closing</b>	<b>500.60</b>
<b>Average GFA</b>	<b>500.60</b>
<b>Rate of Depreciation</b>	<b>2.64%</b>
<b>Total Depreciation</b>	<b>13.20</b>
<b>Grant</b>	<b>65.50</b>
<b>Additions during the year</b>	<b>0.00</b>
<b>Closing grant</b>	<b>65.50</b>
<b>Average grant</b>	<b>65.50</b>
<b>Rate of Depreciation</b>	<b>2.64%</b>
<b>Depreciation on grants</b>	<b>1.73</b>
<b>Net Depreciation</b>	<b>11.47</b>

Table 80: Depreciation for 2021-22 of KLHEP

Rs. Cr

<b>Particulars</b>	<b>FY 2021-22</b>
<b>Opening GFA</b>	<b>514.73</b>
<b>Addition during the year</b>	<b>0.29</b>
<b>Closing</b>	<b>515.03</b>
<b>Average GFA</b>	<b>514.88</b>
<b>Rate of Depreciation</b>	<b>4.40%</b>
<b>Total Depreciation</b>	<b>22.67</b>
<b>Grant</b>	<b>54.66</b>
<b>Additions during the year</b>	<b>0.00</b>
<b>Closing grant</b>	<b>54.66</b>
<b>Average grant</b>	<b>54.66</b>
<b>Rate of Depreciation</b>	<b>4.40%</b>
<b>Depreciation on grants</b>	<b>2.41</b>
<b>Net Depreciation</b>	<b>20.26</b>



Table 81: Depreciation for 2021-22 of LRPP

Rs. Cr

Particulars	FY 2021-22
Opening GFA	268.41
Addition during the year	0.00
Closing	268.41
Average GFA	268.41
Rate of Depreciation	5.10%
Total Depreciation	<b>13.70</b>
Grant	215.96
Additions during the year	0.00
Closing grant	215.96
Average grant	215.96
Rate of Depreciation	5.10%
Depreciation on grants	11.02
Net Depreciation	<b>2.68</b>

Table 82: Summary of Depreciation claimed for FY 2021-22 (Rs. Cr)

Station	Particulars	Approved as per Order of February 2021	APR Petition for FY 2021-22
NTPS	Depreciation	1.64	0.94
	Less: Depreciation on assets funded by Grants	0.16	0.07
	<b>Net Depreciation</b>	<b>1.48</b>	<b>0.88</b>
	<b>Net Depreciation for Effective Capacity</b>	<b>0.54</b>	
LTPS	Depreciation	18.1	13.20
	Less: Depreciation on assets funded by Grants	2.68	1.73
	<b>Net Depreciation</b>	<b>15.42</b>	<b>11.47</b>
	<b>Net Depreciation for Effective Capacity</b>	<b>10.54</b>	
KLHEP	Depreciation	24.32	22.67
	Less: Depreciation on assets funded by Grants	2.84	2.41
	<b>Net Depreciation</b>	<b>21.48</b>	<b>20.26</b>
	<b>Net Depreciation for Effective Capacity</b>	<b>21.48</b>	



<b>LRPP</b>	Depreciation	13.72	13.70
	Less: Depreciation on assets funded by Grants	11.04	11.02
	<b>Net Depreciation</b>	<b>2.68</b>	
	<b>Net Depreciation for Effective Capacity</b>	<b>2.68</b>	<b>2.68</b>

Rs. Cr

10.4.3. Further, APGCL humbly submits that entire depreciation claimed in True Up is at par with the depreciation charged in the Annual Accounts and any depreciation on decommissioned / retired units does not form part of the depreciation charged in the Annual Accounts. Hence, the depreciation claimed is already at the effective capacity and further reduction of depreciation citing effective capacity is not justifiable. We humbly pray to the Hon'ble Commission to consider the same while approving APR claim for depreciation and allow full recovery of the depreciation charged after reduction of depreciation on grants only and not further reduce the depreciation citing effective capacity.

10.4.4. APGCL prays to the Hon'ble Commission to approve the plant wise Depreciation for FY 2021-22 as shown above.

### 10.5. Interest on Working Capital

10.5.1. As per Regulation 36 of the Tariff Regulations, 2018, the interest on working capital will be considered on normative basis.

10.5.2. As per the above regulations, the Petitioner has projected normative interest on working capital. However, as APGCL does not have liquid fuel stock facility, it has not considered working capital on storage of liquid fuel. The rate of interest has been considered equal to the normative interest rate of three hundred (300) basis points above the average State Bank of India MCLR (One Year Tenor) prevalent during the last available six months, which  $7.00\% + 3.00\% = 10.00\%$ .

Table 83: Summary of Interest on working capital claimed for FY 2021-22

*Rs. Cr*

Station	Particulars	Approved as per order of February 2021	APR Petition for FY 2021-22
<b>NTPS</b>	Fuel Cost for one month	6.58	2.64
	O&M Expenses for one month	4.87	2.03
	Maintenance Spares-30% of O&M	17.53	7.31
	Receivables for two months	24.32	10.12
	Total Working Capital Requirement	53.30	22.09
	Rate of interest	10.00%	10.00%
	<b>Interest on Working capital</b>	<b>5.33</b>	





Station	Particulars	Approved as per order of February 2021	APR Petition for FY 2021-22
	<b>Interest on Working capital on effective Capacity</b>	<b>1.94</b>	<b>2.21</b>
LTSP	Fuel Cost for one month	8.68	6.78
	O&M Expenses for one month	5.32	3.64
	Maintenance Spares-30% of O&M	19.15	13.12
	Receivables for two months	36.94	26.65
	Total Working Capital Requirement	70.09	50.20
	Rate of interest	10.00%	<b>10.00%</b>
	<b>Interest on Working capital</b>	<b>7.01</b>	<b>5.02</b>
	<b>Interest on Working capital on effective Capacity</b>	<b>4.79</b>	
KLHEP	O&M Expenses for one month	2.68	2.68
	Maintenance Spares-30% of O&M	4.82	9.64
	Receivables for two months	15.17	15.01
	Total Working Capital Requirement	22.67	27.33
	Rate of interest	10.00%	<b>10.00%</b>
	<b>Interest on Working capital</b>	<b>2.27</b>	<b>2.73</b>
LRPP	Fuel Cost for one month	4.86	6.47
	O&M Expenses for one month	1.89	1.90
	Maintenance Spares-30% of O&M	6.79	6.82
	Receivables for two months	15.29	18.61
	Total Working Capital Requirement	28.83	33.80
	Rate of interest	10.00%	<b>10.00%</b>
	<b>Interest on Working capital</b>	<b>2.88</b>	<b>3.38</b>
	<b>Total</b>	<b>11.88</b>	<b>13.34</b>

10.5.3. APGCL prays to the Hon'ble Commission to approve the plant wise Interest on Working capital for FY 2021-22 as shown above.

## 10.6. Operation and Maintenance Expenses (O&M Expenses)

10.6.1. The Operation and maintenance expense are to be projected as per Regulation 50.1 of the Tariff Regulations, 2018.

10.6.2. We submitted that the Hon'ble commission had approved O&M expenses for NTPS is 21.27 crore at effective capacity of 43.5 MW instead of 49.60 MW.

10.6.3. APGCL is praying to the Hon'ble Commission to approve the O&M expenses at normative level for FY 2021-22 considering the effective capacity of the plants in FY 2021-22 as below:

Table 84: O&M Expenses for FY 2021-22

Station	Approved in order of March 2021	Approved considering Effective Installed Capacity in order of March 2021 including AERC Tariff Filing Fee	Effective Capacity in MW	O&M Cost considered for Annual Performance Review Petition for FY 2021-22 on effective capacity	Increase in AERC Tariff Filing Fees	Amount Cost considered for Annual Performance Review Petition for FY 2021-22 on effective capacity
1	2	3	4	5 = ( 4 / Installed Capacity) * 2	6	7=6+5
NTPS	58.44	21.37	49.60	24.26	0.10	24.36
LTPS	63.83	43.73	97.20	43.63	0.10	43.73
KLHEP	32.14	32.14	100.00	32.14	0.00	32.14
LRPP	22.64	22.74	69.76	22.64	0.10	22.74
<b>Total</b>	<b>177.05</b>	<b>119.98</b>	<b>316.55</b>	<b>122.67</b>	<b>0.30</b>	<b>122.97</b>

10.6.4. APGCL prays to the Hon'ble Commission to approve the plant wise O&M expenses for FY 2021-22 as shown above.

### 10.7. Incentives

10.7.1. Incentives for FY 2021-22 will be claimed during True-up of FY 2021-22

### 10.8. Special R&M

10.8.1. The Hon'ble Commission in its order dated 7<sup>th</sup> March 2020 and 15<sup>th</sup> February 2021, had approved Special R&M for NTPS, LTPS and KLHEP. The status of the approved and actual special R&M being conducted in FY 2021-22 has been shown in the table below:

Work Name	Approved as per Tariff Order February 2021	Claim in FY 2021-22	Remarks
Overhauling of LTPS Unit -7 in FY 2021-22	15.00	0	No Claim. The overhauling of LTPS unit # 7 is shifted to FY 2022-23
Overhauling of Gas Compressor of GC #6 of LTPS	3	5	Petitioner has claimed additional amount of 2 crores because of increase in rate of material.
Capital Overhauling of 50MW Francis type Fuji make Generator	12	0	overhauling of unit #2 has been shifted in FY 2022-23. Hence, petitioner has not claimed for FY 2021-22.



Work Name	Approved as per Tariff Order February 2021	Claim in FY 2021-22	Remarks
<b>Turbine Unit-II – KLHEP</b>			
<b>Additional Capital Investment for Renovation work of damaged assets due to Landslide</b>	0	12	Due to occurrence of Landslide on 24 <sup>th</sup> September 2020, the debris got deposited on the approach road leading to the dam site and a huge portion of abutment hill flank around 3.14 hectares slides along a crack zone leading to settlement and destruction of road and development of cracks along slip surfaces. For the restoration of damage part of road, dam and removal of debris material including rocks leading to an estimated investment of Rs. 12 crores.

Table 85: Plant wise Special R&M for FY 2021-22

Rs. Cr

Station	Approved as per order of February 2021	Amount claimed for APR
NTPS	0	0
LTPS	18	5
KLHEP	12	12
LRPP	0	0
<b>Total</b>	<b>30</b>	<b>17</b>

10.8.2. APGCL prays to the Hon'ble Commission to approve the above-mentioned Special R&M activities for FY 2021-22

### 10.9. Capacity building

10.9.1. The Hon'ble Commission had approved expenses pertaining to Capacity Building of APGCL employees.

10.9.2. APGCL is claiming the normative Capacity Building expenses for FY 2021-22 and shall provide the detailed capacity building activities undertaken in FY 2021-22 during true up for the year.

10.9.3. The approved and claimed expenses have been shown in the table below:

Table 86: Expenses under Capacity building

Rs. Cr		
Station	Approved as per order of February 2021	Amount claimed for APR
NTPS	0.13	0.13
LTPS	0.13	0.13
KLHEP	0.13	0.13
LRPP	0.00	0.00
<b>Total</b>	<b>0.40</b>	<b>0.40</b>

10.9.4. APGCL prays to the Hon'ble Commission to approve the above-mentioned capacity building expenses for FY 2021-22.

### 10.10. Non-Tariff Income

10.10.1. As per Regulation 45 of the Tariff Regulations, 2018, the non-tariff income shall be deducted from the Annual Fixed Cost in determining the Annual Fixed Cost of the Generation Company.

10.10.2. The Non-tariff income has been estimated at normatively approved numbers by Hon'ble Commission in its order of February 2021. The same will be claimed at actuals during truing up for FY 2021-22

10.10.3. The details of non-tariff income for FY 2021-22 are shown in the table below:

Table 87: Station-wise details of Non-tariff income for FY 2021-22

Rs. Cr		
Station	Approved as per order of February 2021	Annual Performance Review Petition for FY 2021-22
NTPS	7.13	7.13
LTPS	9.22	9.22
KLHEP	5.75	5.75



Station	Approved as per order of February 2021	Annual Performance Review Petition for FY 2021-22
LRPP	0.00	0.00
<b>Total</b>	<b>22.09</b>	<b>22.09</b>

10.10.4. APGCL prays to the Hon'ble Commission to approve the plant wise Non-tariff income for FY 2021-22 as shown above.

## 11. Energy Charges

### 11.1. Fuel Price and Calorific Value

11.1.1. As per Regulation 11 of the Tariff Regulations 2018, 'Fuel Price' and 'Calorific Value of Fuel' are uncontrollable items. The actual values of 'Fuel Price' and 'Calorific Value of Fuel' are shown in the table below:

Table 88: Actual Plant wise GCV and Price for FY 2021-22

Station	Wt. Avg. Gross Calorific Value of Gas (kcal/SCM)	Wt. Avg. Price of Gas (Rs. /1000 SCM)	Wt. Avg. Price of Gas (Rs. /1000 SCM)	Wt. Avg. Price of Gas (Rs. /1000 SCM)
		April - Sept (Actual)	Oct -March (Estimated)	
NTPS	9204.80	3781.73	5621.90	4701.82
LTPS	9337.66	5010.53	7935.55	6473.04
LRPP	9337.66	5013.08	7935.55	6474.31

11.1.2. The Petitioner prays to the Hon'ble Commission to approve the Price of Gas and GCV for NTPS, LTPS and LRPP for FY 2021-22 as shown in the table above.

### 11.2. Fuel cost

11.2.1. The Commission, in the Tariff Orders of February 2021 had approved the Fuel Cost for FY 2021-22 for NTPS, LTPS and LRPP. The table below shows the plant wise approved fuel cost, the actual total fuel cost incurred and the fuel cost on normative parameters for FY 2021-22. The average price of fuel and GSHR for April to September has been considered for the month of October – March.

Table 89: Fuel cost for NTPS for FY 2021-22

Particulars	Unit	Approved as per order of February 2021	April - Sep (actual)	Oct -March (estimated)	FY 2021-22 (estimated)
Gross Generation	MU	145.21	86.45	58.76	145.21
Heat Rate	kcal/kWh	3900.00	4975.72	3900.00	4437.86
GCV of gas	kcal/SCM	9147.27	9204.80	9204.80	9204.80
Overall Heat	G. cal.	566319.00	430155.64	229160.10	644421.37



Particulars	Unit	Approved as per order of February 2021	April - Sep (actual)	Oct -March (estimated)	FY 2021-22 (estimated)
<b>Gas consumption</b>	M. SCM	61.91	46.73	24.90	70.01
<b>Price of Gas</b>	Rs. /1000 SCM	3537.22	3781.73	5621.90	4701.82
<b>Total cost of Gas</b>	<b>Rs. Crore</b>	<b>21.90</b>	<b>17.67</b>	<b>14.00</b>	<b>31.67</b>

11.2.2. APGCL humbly submits that as per the Gas Supply Contract with Oil, 0.66 MMSCMD of gas is to be supplied at the Administered Price Mechanism (APM). Any increase in supply beyond 0.66 mmscmd will be billed at Non-APM prices.

Table 90: Fuel cost for LTPS for FY 2021-22

Particulars	Unit	Approved as per order of February 2021	April - Sep (actual)	Oct -March (estimated)	FY 2021-22 (estimated)
<b>Gross Generation</b>	MU	425.74	185.61	212.28	397.90
<b>Heat Rate</b>	kcal/kWh	3200.00	2377.79	3200.00	2788.90
<b>GCV of gas</b>	kcal/SCM	9419.27	9337.66	9337.66	9337.66
<b>Overall Heat</b>	G. cal.	1362368.00	441350.69	679311.36	1109697.45
<b>Gas consumption</b>	M. SCM	144.64	47.27	72.75	118.84
<b>Price of Gas</b>	Rs. /1000 SCM	4923.31	5010.53	7935.55	6473.04
<b>Total cost of Gas</b>	<b>Rs. Crore</b>	<b>71.21</b>	<b>23.68</b>	<b>57.73</b>	<b>81.41</b>

Table 91: Fuel cost for LRPP for FY 2021-22

Particulars	Unit	Approved as per order of February 2021	April - Sep (actual)	Oct -March (estimated)	FY 2021-22 (estimated)
<b>Gross Generation</b>	MU	519.40	262.02	257.38	519.40
<b>Heat Rate</b>	kcal/kWh	2150.00	2175.14	2150.00	2162.57
<b>GCV of gas</b>	kcal/SCM	9419.27	9337.66	9337.66	9337.66
<b>Overall Heat</b>	G. cal.	1116710.00	569938.63	553359.91	1123240.12
<b>Gas consumption</b>	M. SCM	118.56	61.04	59.26	120.29
<b>Price of Gas</b>	Rs./1000 SCM	4923.31	5013.08	7935.55	6474.31
<b>Total cost of Gas</b>	<b>Rs. Crore</b>	<b>58.37</b>	<b>30.60</b>	<b>47.03</b>	<b>77.63</b>

11.2.3. APGCL humbly submits that there is a difference in the Price of Gas for LTPS and LRPP at Rs. 5010.53 / 1000 SCM and Rs. 5013.08 / 1000 SCM respectively in the months of April to September 2021. Though the gas supply source is same for both the plants, the difference in price is due to the gas consumption as per the gas meter at the LTPS/LRPP compound and actual generation achieved by the plants. The below table illustrates the plant wise and total gas bill for both LTPS and LRPP.

Table 92: Gas Price Reconciliation Table for LTPS and LRPP for FY2021-22 (April to September)

Particulars	Unit	LTPS	LRPP	Total
Gas Bill Amount	Rs. Crore	23.68	30.60	54.28
Gas Consumption	MMSCM	47.27	61.04	108.29
Gas Price	Rs / 1000 SCM	5010.53	5013.08	5012

11.2.4. The Petitioner prays to the Hon'ble Commission to approve the estimated Fuel cost Price for NTPS, LTPS and LRPP for FY 2021-22 as shown in the table above.

## 12. Summary of submissions for Annual Performance Review of FY 2021-22

### 12.1. Net Annual Revenue Requirement

12.1.1. The plant wise Net Annual Revenue Requirements for FY 2021-22 are as shown in the tables below.

Table 93: Net Annual Revenue Requirements for NTPS for FY 2021-22

Rs. Cr

APR for FY 2021-22 For NTPS on Effective Capacity			
Sl. No	Particulars	Approved as per order of February 2021	Amount claimed for APR
I	POWER GENERATION (MU)		
	Gross Generation	145.21	145.21
	Net Generation	138.68	137.80
	Auxiliary Consumption, Loss %	4.50%	5.10%
I	Fixed Charges		
	Operation & Maintenance Expenditure	21.37	24.36
	Interest & Finance Charges	0.03	0.06
	Interest on working Capital	1.94	2.21
	Depreciation	0.54	0.88

<b>APR for FY 2021-22 For NTPS on Effective Capacity</b>			
	Return on Equity	3.11	8.53
	Income taxes	0	0.00
	Special R&M	0.00	0.00
	Capacity Building	0.13	0.13
	<u>Less: Other Income</u>	-7.13	-7.13
<b>II</b>	<b>Total Fixed Charges</b>	<b>19.99</b>	<b>29.03</b>
<b>III</b>	<b>Fuel Cost</b>	<b>21.90</b>	<b>31.67</b>
<b>IV</b>	<b>Total Revenue Requirement</b>	<b>41.89</b>	<b>60.70</b>
<b>VII</b>	<b>Total Cost</b>	<b>41.89</b>	<b>60.70</b>
<b>VIII</b>	<b>Revenue from Sale of Power</b>	<b>41.89</b>	<b>42.24</b>
<b>IX</b>	<b>Revenue Gap (+) / Surplus (-)</b>	<b>0.00</b>	<b>18.46</b>

Table 94: Net Annual Revenue Requirements for LTPS for FY 2021-22

Rs. Cr

<b>APR for FY 2021-22 For LTPS on Effective Capacity</b>			
<b>Sl. No</b>	<b>Particulars</b>	<b>Approved as per order of February 2021</b>	<b>Amount claimed for APR</b>
<b>I</b>	<b>POWER GENERATION (MU)</b>		
	Gross Generation	425.74	397.90
	Net Generation	402.32	368.74
	Auxiliary Consumption, Loss %	5.50%	7.33%
<b>I</b>	<b>Fixed Charges</b>		
	Operation & Maintenance Expenditure	43.73	43.73
	Interest & Finance Charges	0.00	0.18
	Interest on working Capital	4.79	5.02
	Depreciation	10.54	11.47
	Return on Equity	15.16	22.18
	Income taxes	0	0.00
	Special R&M	18.00	5.00
	Capacity Building	0.13	0.13
	<u>Less: Other Income</u>	-9.22	-9.22
<b>II</b>	<b>Total Fixed Charges</b>	<b>83.14</b>	<b>78.50</b>
<b>III</b>	<b>Fuel Cost</b>	<b>71.21</b>	<b>81.41</b>
<b>IV</b>	<b>Total Revenue Requirement</b>	<b>154.35</b>	<b>159.91</b>
<b>VII</b>	<b>Total Cost</b>	<b>154.35</b>	<b>159.91</b>
<b>VIII</b>	<b>Revenue from Sale of Power</b>	<b>154.35</b>	<b>149.21</b>
<b>IX</b>	<b>Revenue Gap (+) / Surplus(-)</b>	<b>0.00</b>	<b>10.70</b>





Table 95: Net Annual Revenue Requirements for KLHEP for FY 2021-22

Rs. Cr

<b>APR for FY 2021-22 For KLHEP on Effective Capacity</b>			
<b>Sl. No</b>	<b>Particulars</b>	<b>Approved as per order of February 2021</b>	<b>Amount claimed for APR</b>
<b>I</b>	<b>POWER GENERATION (MU)</b>		
	Gross Generation	390.00	390.00
	Net Generation	388.05	388.05
	Auxiliary Consumption, Loss %	0.5%	0.5%
<b>I</b>	<b>Fixed Charges</b>		
	Operation & Maintenance Expenditure	32.14	32.14
	Interest & Finance Charges	18.09	17.91
	Interest on working Capital	2.27	2.73
	Depreciation	21.48	20.26
	Return on Equity	10.64	10.64
	Income taxes	0	0.00
	Special R&M	12.00	12.00
	Capacity Building	0.13	0.13
	<u>Less:</u> Other Income	-5.75	-5.75
<b>II</b>	<b>Total Fixed Charges</b>	<b>91.00</b>	<b>90.07</b>
<b>III</b>	<b>Fuel Cost</b>	<b>0.00</b>	<b>0.00</b>
<b>IV</b>	<b>Total Revenue Requirement</b>	<b>91.00</b>	<b>90.07</b>
<b>VII</b>	<b>Total Cost</b>	<b>91.00</b>	<b>90.07</b>
<b>VIII</b>	<b>Revenue from Sale of Power</b>	<b>91.00</b>	<b>91.00</b>
<b>IX</b>	<b>Revenue Gap (+) / Surplus (-)</b>	<b>0.00</b>	<b>-0.93</b>

Table 96: Net Annual Revenue Requirements for LRPP for FY 2021-22

Rs. Cr

<b>APR for FY 2021-22 For LRPP on Effective Capacity</b>			
<b>Sl. No</b>	<b>Particulars</b>	<b>Approved as per order of February 2021</b>	<b>Amount claimed for APR</b>
<b>I</b>	<b>POWER GENERATION (MU)</b>		
	Gross Generation	519.40	519.40
	Net Generation	501.22	505.67
	Auxiliary Consumption, Loss %	3.50%	2.64%



<b>APR for FY 2021-22 For LRPP on Effective Capacity</b>			
<b>Sl. No</b>	<b>Particulars</b>	<b>Approved as per order of February 2021</b>	<b>Amount claimed for APR</b>
<b>I</b>	<b>Fixed Charges</b>		
	Operation & Maintenance Expenditure	22.74	22.74
	Interest & Finance Charges	2.61	2.81
	Interest on working Capital	2.88	3.38
	Depreciation	2.68	2.68
	Return on Equity	2.44	2.44
	Income taxes	0	0.00
	Special R&M	0.00	0.00
	Capacity Building	0.00	0.00
	<u>Less: Other Income</u>	0.00	0.00
<b>II</b>	<b>Total Fixed Charges</b>	<b>33.36</b>	<b>34.05</b>
<b>III</b>	<b>Fuel Cost</b>	<b>58.37</b>	<b>77.63</b>
<b>IV</b>	<b>Total Revenue Requirement</b>	<b>91.73</b>	<b>111.67</b>
<b>VII</b>	<b>Total Cost</b>	<b>91.73</b>	<b>111.67</b>
<b>VIII</b>	<b>Revenue from Sale of Power</b>	<b>91.73</b>	<b>92.82</b>
<b>IX</b>	<b>Revenue Gap (+) / Surplus (-)</b>	<b>0.00</b>	<b>18.85</b>

## 12.2. Summary

12.2.1. The summary of the APR for FY 2021-22 For APGCL is as shown below.

Table 97: APR for FY 2021-22 for APGCL

Rs. Cr

<b>APR for FY 2021-22 For APGCL on Effective Capacity</b>			
<b>Sl. No</b>	<b>Particulars</b>	<b>Approved as per order of February 2021</b>	<b>Amount claimed for APR</b>
<b>I</b>	<b>POWER GENERATION (MU)</b>		
	Gross Generation	1480.35	1452.51
	Net Generation	1430.27	1400.25
	Auxiliary Consumption, Loss %	3.4%	3.6%
<b>I</b>	<b>Fixed Charges</b>		
	Operation & Maintenance Expenditure	119.98	122.97
	Interest & Finance Charges	20.74	20.95
	Interest on working Capital	11.88	13.34
	Depreciation	35.24	35.29



	Return on Equity	31.35	43.78
	Income taxes	0.00	0.00
	Special R&M	30.00	17.00
	Capacity Building	0.40	0.40
	Less: Other Income	-22.09	-22.09
<b>II</b>	<b>Total Fixed Charges</b>	<b>227.49</b>	<b>231.64</b>
<b>III</b>	<b>Fuel Cost</b>	<b>151.48</b>	<b>190.71</b>
<b>IV</b>	<b>Total Revenue Requirement</b>	<b>378.97</b>	<b>422.34</b>
<b>VII</b>	<b>Total Cost</b>	<b>378.97</b>	<b>422.34</b>
<b>VIII</b>	<b>Revenue from Sale of Power</b>	<b>378.97</b>	<b>375.28</b>
<b>IX</b>	<b>Revenue Gap (+) / Surplus (-)</b>	<b>0.00</b>	<b>47.07</b>

Table 98: Net Annual Revenue Requirements for APGCL for FY 2021-22

Rs. Cr

Particulars	Approved as per order of February 2021	Amount estimated for Annual Performance Review
Total Fixed Charges	227.49	231.64
Fuel Cost	151.48	190.71
<b>Total Revenue Requirement</b>	<b>378.97</b>	<b>422.34</b>

12.2.2. We submit that since the figures for the FY 2021-22 are estimated and are subject to True-up, APGCL has not considered gap in the tariff for FY 2021-22. The same shall be considered at the time of True-up petition of FY 2021-22.

12.2.3. The Petitioner prays to the Hon'ble Commission to approve the plant wise Net Annual Revenue Requirement and for APGCL as a whole for FY 2021-22 as discussed in the tables above.

# CAPITAL INVESTMENT PLAN FOR FY 2022-23 TO FY 2024-25

To

ASSAM ELECTRICITY REGULATORY COMMISSION



Prepared by  
ASSAM POWER GENERATION CORPORATION LTD  
Bijulee Bhawan, Paltanbazar  
Guwahati – 781 001



## 13. Capital Investment Plan for FY 2022-23 to FY 2024-25

### 13.1. Regulatory provisions

13.1.1. The Hon'ble Commission in its Tariff regulations, 2021 has stated the following on Capital Investment Plan for generating companies for the control period from FY 2022-23. The same is reproduced below for ready reference:

*"6 Capital Investment Plan*

*6.1 The Generating Company, Transmission Licensee, SLDC Business and Distribution Licensee shall submit a Capital Investment Plan for the entire Control Period, as part of the MYT Petition as per the timeline specified in this Regulation and accompanied by the Fee required for processing of Investment plan, as specified in AERC (Payment of Fee) Regulations, 2020 as amended from time to time.*

*6.2 The Capital Investment Plan for a generating company shall be based on planned generation capacity growth and shall contain among other things the following (i) generation forecasts; (ii) future performance targets; (iii) proposed efficiency improvement measures; (iv) saving in operating costs; (v) plan for reduction in per unit/per MW cost of generation (vi) financial statements (which include balance sheet, profit and loss statement and cash flow statement) - current and projected (at least for the control period duration) along with basis of projections; (vii) any other new measure to be initiated by the Generating Company e.g. IT initiatives, third party energy audit, safety initiatives etc."*

*6.2.....*

*6.3.....*

*6.4.....*

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*6.12.....*

*6.13.....*

*6.14.....*

*6.15 In case the capital expenditure is required for emergency work which has not been approved in the Capital Investment Plan, the licensee shall submit an application, containing all relevant information along with reasons justifying emergency nature of the proposed work, seeking approval by the Commission. The licensee shall take up the work prior to the approval of the Commission provided that the emergency nature of the scheme has been certified by its Board of Directors.*

*6.16 The generation company and the licensee shall submit all information / data as required by the Commission for necessary approval of the Capital Investment plan.*



## 13.2. EXISTING INSTALLED CAPACITY

13.2.1. Power Generation in Assam is primarily through Natural gas and Hydro based stations.

13.2.2. APGCL is presently operating the following power stations:

Table 99: *Existing Installed Capacity*

Power Station	Installed capacity (MW)	Capacity in operation (MW)	In operation since
NTPS	119.5	43.5	1965
LTPS	142.5	97.20	1981
KLHEP	100	100	2007
LRPP	69.755	69.755	2018
<b>Total</b>	<b>431.5</b>	<b>310.5</b>	

## 14. BUSINESS OBJECTIVES FOR THE MYT CONTROL PERIOD OF FY 2022-23 to FY 2024-25

### 14.1. Background

14.1.1. The proposed Capital Investment Plan is envisaged to set the direction for APGCL towards serving the consumers with electricity at economical rates. As part of this Capital Investment Plan, APGCL will set plant specific plans for this period. These plans will be funded with loan and grant financing from a combination of government and other financial sources which will be recovered from the revenue collected with the approved Tariff.

## 15. CAPITAL INVESTMENT PLAN

### 15.1. Background

15.1.1. The Capital Investment plan for Assam Power Generating Company Ltd. has been prepared with a three-year horizon comprising of FY 2022-23 to FY 2024-25 in line with the regulations of the Commission.

15.1.2. In order to meet the continued power and energy demand in the state, APGCL is trying to increase its generation by new capacity addition.

15.1.3. Further, considering the age of its NTPS and LTPS power stations (in operation for more than 50 and 30 years respectively, APGCL has proposed Capital Investment for these stations.

15.1.4. APGCL has also proposed Capital Investment for KLHEP and LRPP for schedule maintenance as per OEM guideline.

15.1.5. Thus, the major aim of the investment planned by APGCL during the Control Period FY 2022-23 to FY 2024-25 is to prolong the life of its existing stations and expand its generation capacity by installing new units.

### 15.2. Upcoming Projects

15.2.1. With the objective of increasing its generation capacity APGCL is planning to construct several power projects, out of which two are ongoing projects, and others are new projects and projects in pipeline. These projects are briefed in the table below:

Table 100: *Upcoming projects*

Sl. No	Project Name	Capacity (MW)	Energy Source	Expected Commissioning
<b>Ongoing Project</b>				
1	Myntriang Small Hydro Electric Project	13.5	Hydro	Mar-22
<b>New Projects</b>				
2	Lower Kopili Hydro Electric Project	120	Hydro	Aug-24
3	Borpani Middle-II SHEP	24	Hydro	Nov-25



Sl. No	Project Name	Capacity (MW)	Energy Source	Expected Commissioning
4	Borpani Middle-I SHEP	22.5	Hydro	Beyond MYT Period
<b>New Solar Projects</b>				
5	Namrup Solar PV Project	20	Solar	Dec-22
6	Sonabeel Floating Solar Project	60	Solar	Dec-23
7	Majuli Solar PV Project	20	Solar	Dec-23
<b>Projects in Pipeline</b>				
8	30 MW Namrup Thermal Gas Engine based Project	100	Gas	Dec-25
9	100 MW NRPP Ph-II	100	Gas	Dec-24
10	Borpani Upper Stage SHEP	60	Hydro	Beyond MYT Period
11	Margherita Thermal Power Project (proposed to be in JV mode)	660	Thermal	- do -
<b>Depending on availability of Gas from Gas Grid*</b>				
12	Gas Engine Based Power Project at Chandrapur in Kamrup district	250	Gas	Beyond MYT Period
13	Gas Turbine Combined Cycle Power project at Lower Assam	2x725	Gas	- do -
14	Gas Turbine Combined Cycle Power project at Amguri in Sivsagar District	725	Gas	- do -

\* Projects are under consideration depending on various factors.

15.2.2. APGCL has considered the ongoing and new projects from the above table in the Investment Plan for FY 2022-23 to FY 2024-25 based on the present status of the projects.

15.2.3. The projects in pipeline are in APGCL's capacity addition plan, however, the same have not been considered in this Capital Investment Plan for investment based on their present status.

### 15.3. Constraints faced by ongoing projects:

15.3.1.1. For Stage I, Unit I, Commissioning is going on expected date of COD March 2022.

Unit II, COD is completed on 15 Feb 2019 but handover to APGCL is under process. The overhauling of the unit is being done by the EPC Contractor.

Unit III Commissioned on 16<sup>th</sup> February 2019.





15.3.1.2. For Stage II, 1.5 x3 was commissioned on 18 May 2018.

15.3.1.3. Expected COD of the entire project (13.5 MW Stage I & II) is expected by end of March 2022

#### **15.4. Constraints for Projects in pipeline:**

15.4.1. The main concern for APGCL's thermal projects in pipeline is fuel linkage. APGCL is continuously pressing hard to obtain the required coal and gas linkages for these projects.

15.4.2. The Hydro projects in Assam face significant delay due to land acquisition issues, delay in various statutory clearances and local problems like bandhs etc. These issues may also hamper the project schedule of the upcoming hydro projects. The new Hydro projects that have been considered for investment in this Business Plan are Lower Kopili Hydro Electric Project, Borpani Middle- I Small Hydro Electric Project and Borpani Middle- II Small Hydro Electric Project.

15.4.3. APGCL proposed two hydroelectric projects in the Borpani river basin area namely:

- Borpani Middle – II Small Hydro Electric Project.
- Borpani Middle – I Small Hydro Electric Project.

#### **15.5. Development of Solar PV Projects**

15.5.1. APGCL has also proposed three Solar PV projects of 20 MW in Namrup and 20 MW in Majuli and 60 MW Sonabeel Floating Solar Park. DPR of Namrup Solar and Majuli Solar has been prepared. Sonabeel Solar Floating Project still in planning stage.



## 16. ONGOING PROJECTS

### 16.1. 13.5 MW MYNTRIANG SMALL HYDRO ELECTRIC PROJECT (MSHEP)

#### 16.1.1. Background

16.1.1.1. The Myntriang Small Hydro Electric Project is located in Karbi Anglong District of Assam. It envisages utilization of 232 Sq. Km of catchment area of Myntriang River in two stages. The Myntriang River is one of the major tributary of river Barpani and originates from an elevation of 1078 metre. Before entering in the plains the river offers a drop of 280 metre within a short distance passing through gorges and rapids. The Myntriang Small H.E. Project envisages utilization of this drop in two stages for optimum development of the power potential of the river. The project area is located in the foothill area of Karbi Anglong and about 95% of total catchment area is covered with deep forest and population is very thin. Cultivation is mainly Jhum type cultivation, which is, however, not going to be affected due to construction of the project. The project site is 12 Km away from Amtereng, the main base site of ongoing Karbi Langpi H.E. Project. The place Amtereng is 125 Km from Guwahati via Jagiroad.

#### 16.1.2. Project Scope

16.1.2.1. The project comprises of constructions of a diversion weir, a contour canal, a fore bay, two numbers of penstock pipe and an over ground powerhouse in each stage of project.

16.1.2.2. In stage I, the configuration is 3 x 3.0 = 9 MW. In stage-II, the configuration is 3 x 1.5 = 4.5 MW.

16.1.2.3. The power generated from the project is being transmitted through 132 KV line from Karbi Langpi Hydro Electric Project to different places and also likely to boost up the rural electrification scheme

#### 16.1.3. Present Status

16.1.3.1. For Stage I, Unit I, Commissioning is going on expected date of COD March 2022.

Unit II, COD is completed on 15 Feb 2019 but handover to APGCL is under process. The overhauling of the unit is being done by the EPC Contractor.

Unit III Commissioned on 16<sup>th</sup> February 2019.

16.1.3.2. For Stage II, 1.5 x3 was commissioned on 18 May 2018.

16.1.3.3. Expected COD of the entire project (13.5 MW Stage I & II) is expected by end of March 2022.

#### 16.1.4. Financial progress

*Table 120: MSHEP Financial progress*

*Rs. Cr*



Sl No.	Fund Sources	Total Amount	Amount Received	Expenditure as on 31/03/2020
1	Amount from NABARD as Grant	46.15	46.15	46.15
2	Amount from Govt. of Assam as Grant	10.00	10.00	10.00
3	Amount from Govt. of Assam as Loan	25.60	10.00	10.00
4	Amount from own source as Equity	28.29	28.29	28.29
5	Amount from AIFA as Grant	35.91	26.47	27.81
	<b>Total</b>	<b>145.95</b>	<b>120.91</b>	<b>122.25</b>

#### 16.1.5. Capital expenditure of MSHEP

Table 101: MSHEP Capital expenditure

Rs. Cr

Year	Up to 31-03-2021	Total
Capital Expenditure	122.25	122.25

Table 102: MSHEP financing of Capital expenditure

Rs. Cr

Year	Up to 31-03-2022	Total
Grant	83.96	83.96
Equity	28.29	28.29
Debt	10	10
<b>Total</b>	<b>122.25</b>	<b>122.25</b>

16.1.6. As per Directive of AERC, final petition of MSHEP will be submitted post COD of the project.

## 17. NEW PROJECTS

### 17.1. 120 MW Lower Kopili Hydro Electric Project

#### 17.1.1. Background

17.1.1.1. The Lower Kopili H.E. Project (LKHEP) is downstream development of the already existing Kopili HEP owned/operated by NEEPCO. The Dam site of the proposed project is located at Longku in Dima Hasao District. Right bank of the dam falls in Dima Hasao district and the left bank in Karbi Anglong District. All the project components like Intake, water conductor system, powerhouse, switchyard, and colony/administrative buildings are proposed to be constructed in Dima Hasao district. Installed capacity of the project initially was (3X50 MW) = 150 MW but taking the environmental flow in view the installed capacity was reworked out at 2x55MW=110 MW + 10 MW (of auxiliary powerhouse) =**120 MW**.

17.1.1.2. Assam State Electricity Board (ASEB) started survey and investigation for the project from 1980-81. As per directive of Govt of Assam, ASEB handed over the project to NEEPCO in 1996. In April 2006, Govt of Assam decided that the project be implemented by APGCL, unbundled entity of erstwhile ASEB. APGCL started preparation of DPR by engaging consultant M/S Lahmeyer India Pvt Ltd. In 2010, DPR was prepared and submitted to CEA.

17.1.1.3. In 2015 the DPR was recast in line with the observations of CEA and latest environmental norms. CEA approved the DPR of LKHEP Techno-Economically vide its O.M No: 2/ASM/10/CEA/2007-PAC/528-71 dated 24.05.2016

17.1.1.4. The project will be funded by the Multi-Financing Facility (Tranche-3) of Asian Development Bank under Assam Power Sector Investment Program (APSIP). The total cost of the project is estimated at 297 million USD. The loan signing was done on 30.12.2020 and the loan was effective from 10.03.2021. The total negotiated amount is USD 297 million, out of which USD 234 is to be funded by ADB, USD 64 million is counterpart fund of Govt of Assam and USD 2 million is grant by JFPR (Japan Fund for Poverty Reduction).

#### 17.1.2. PRESENT STATUS OF THE PROJECT

SI No	Description of work	Remarks/ Current Status
(1)	Forest Clearance	<p>(a) Stage-I Forest Clearance has been accorded for 523.046 Hectare of forest land by Ministry of Environment and Forest and Climate Change (MoEF &amp; CC) on 5th February 2019.</p> <p>(b) Stage-II Forest Clearance accorded by MoEF&amp;CC on 4th December 2020.</p>

SI No	Description of work	Remarks/ Current Status
		<p>(c) Forest Land in Dima Hasao district handed over to APGCL on 10/06/2021 and APGCL handed over Forest Land to M/S L&amp;T Ltd on 11/06/2021</p> <p>(d) Forest Land in Karbi Anglong district handed over to APGCL on 03/07/2021 and APGCL handed over Forest Land to M/S L&amp;T Ltd on 11/06/2021</p> <p>(e) The Forest Land was to be handed over to M/S L&amp;T Ltd on 01/09/2020 but due to delay in handover of Forest land by the Forest Department to APGCL, there was a delay of 9 months 11 days.</p>
(2)	Environmental Clearance (EC)	Final EC has been issued by the MoEF& CC, New Delhi on 04/09/2019.
(3)	Land Acquisition	<p>a) The first installment of land premium amounting to Rs.20.00 Crore has been released to North Cachar Hills Autonomous Council (NCHAC) for Dima Hasao district.</p> <p>b) Disbursement of compensation to 1368 Nos PAFs has been completed out of the list of 1376 Nos PAFs list as received from the NCHAC for Dima Hasao district. Amount paid – INR Rs. 44,57,55,339.00</p> <p>c) NCHAC has issued a patta for land measuring 6812.65 Bighas in favour of APGCL along with a map.</p> <p>d) The land premium and compensation amount for Karbi Anglong District amounting to Rs. 8.11 Crores transferred to Bank Account of Karbi Anglong Autonomous Council (KAAC) on 27.06.2019. The KAAC will disburse the Land Compensation to the 231 Nos PAFs in the Karbi Anglong district. Till date KAAC has paid land compensation to 102 Nos PAFs.</p> <p>e) Land allotment letter from both the districts have been received.</p> <p>f) Out of 909 hectares revenue land in Dima Hasao district, Revenue Dept of NCHAC has handed over around 750 Hectares land till date.</p> <p>g) Revenue land handover in Karbi Anglong district pending. This will not hamper the progress of project related activities.</p>
(4)	PIB Clearance, Govt of Assam	The PIB in its meeting held on 25.07.2018 accorded clearance for the project.
(5)	Approval from Ministry of tribal affairs	The Resettlement and Rehabilitation (R&R) Plan for the project has been approved by the Ministry of Tribal Affairs, Govt. of India

SI No	Description of work	Remarks/ Current Status
(6)	Status of Packages	<p>a) Package-1(Colony Buildings and roads): The revised bid documents for Package-1(Building works) have been sent to ADB for approval. ADB has given some comments on the bid documents. Revised bid document under preparation</p> <p>b) Package-2(Project Roads, Civil &amp; Hydro-mechanical works): The work has been awarded to M/S Larsen &amp; Toubro Ltd. at present M/S L&amp;T Ltd is carrying out construction of accommodation facilities, excavation of roads, switchyard, valve house, surge shaft, valve house, Diversion Tunnel outlet, adit, main power house.</p> <p>c) Package-3(Electro-mechanical works): Work order issued to successful bidder M/S Andritz Hydro on 09.09.2021. Contract signing done on 02.11.2021</p> <p>d) Package-4 (Transmission line): Bid documents sent to ADB for approval. Comments/approval awaited from ADB.</p>
(7)	Defence Clearance	Defence Clearance has been received from the Ministry of Defence.
(8)	Loan Status	<p>a) The project is to be funded by the Multi-Financing Facility (Tranche-3) of ADB under Assam Power Sector Investment Program (APSIP).</p> <p>b) Loan negotiation held on 10th September 2020 between Govt. of India, Govt. of Assam, Asian Development Bank and APGCL.</p> <p>c) Loan agreement, project agreement and grant agreement signed on 30th December 2020.</p> <p>d) Loan was declared effective by ADB on 10/03/2021.</p>

### 17.1.3. Capital Expenditure of Lower Kopili HEP

Table 103: Capital Expenditure of Lower Kopili HEP during the control period

Rs. Cr					
Year	Upto21-22	FY 2022-23	FY 2023-24	FY 2024-25	Total
Equity	587.83	400.00	470.00	197.17	1655.00
Debt	276.64	56.36	90.00	35.00	458.00
Grant	-	3.50	7.00	3.50	14.00
Total	864.47	459.86	567	235.67	2127.00



17.1.3.1. Any impact due to FERV will be claimed on actuals at the time of submission of final tariff petition for this station

17.1.4. Funding Pattern: The project is expected to be funded by GOA and ADB with counterpart fund to be provided by GOA as equity and the rest of the funding from ADB involving grant and loan components. The ratio of funding is 77:23.

17.1.5. Revision of Project Cost: The original project cost was Rs. 1115.91 Crore. After revision the project cost comes to Rs. 2127.00 Crore. This includes Project Management and Consultancy cost, ERP cost, Asset valuation etc.

17.1.6. Expected schedule of commissioning: The project is expected to be commissioned by June 2024.

## 17.2. 24 MW Borpani Middle – II Hydro Electricity Project

### 17.2.1. Background

17.2.1.1. Borpani Middle-II Hydro-Electric Project is located across river Borpani about 3.65 km away from village Morianto in the Karbi Anglong district of Assam, at latitude 25°53'38.362"N and longitude 92°27'7.065"E near barrage. The nearest rail head is at Jagiroad and the nearest airport is at Guwahati and at a distance of 96 kms and 141 km respectively from the project site. It is planned to have installed capacity of 24.0 MW having 3 units of 8.0 MW each.

17.2.1.2. APPDCL has been entrusted by APGCL to study in detail, the stretch of UmKhem / Borpani River between FRL of Lower Langpi HEP and TWL of Upper Langpi HEP for identification of hydro power projects in the stretch for optimization of the potential and to carry out development activities of the same including preparation of DPR's. Three numbers of hydro power projects between existing Lower Langpi HEP (100 MW) and already identified Upper Borpani HEP have been conceived following the valley optimization study on Um Khem/ Borpani river and are shown as below:

- Borpani Barrage Toe HEP (2 × 6.0 MW)
- Borpani Middle I HEP (3 × 7.5 MW)
- Borpani Middle II HEP (3 × 8.0 MW)

17.2.1.3. The optimization exercise was carried out by APPDCL on behalf of APGCL for the development of the three identified projects. APPDCL has entrusted Lahmeyer International (India) Pvt. Ltd. (LII) to prepare Detailed Project Reports (DPR). The Contract for the services was signed on 11th July, 2012.

### 17.2.2. Current Status

- Department of Economic Affairs (DEA), GoI has approved the project on Sept' 2019 for external funding(ADB).



- NOC form Water Resources and Govt. of Assam has been received.
- The process of obtaining Statutory Clearance from Irrigation Dept., Fishery Dept, is under progress.
- Allotment of land to APGCL by KAAC is under process.
- Preparation and finalization of Bid documents is under process.

### 17.2.3. Reasons for Delay in Execution

The original anticipated zero date for Borpani Middle Stage-II SHEP was April 2016. However, due to non-receipt of NOC/ statutory clearances for the projects as well as non-finalization of Funding Agency, the project execution has been delayed and hence under pipeline.

### 17.2.4. Capital expenditure of Borpani Middle – II HEP during Control Period

Table 104: *Capital Expenditure of Borpani Middle -II HEP during the Control Period*

Rs. Cr				
Year	FY 2022-23	FY 2023-24	FY 2024-25	Total
Equity	13.47	13.87	19.17	46.51
Debt	35.23	74.12	76.67	186.02
Grant				
Total	48.70	87.99	95.84	232.53

17.2.4.1. Any impact due to FERV will be claimed on actuals at the time of submission of final tariff petition for this station.

17.2.5. Funding Pattern: DEA, Gol has approved the funding pattern in 80:20 ratio consisting of Debt for which APGCL has approached ADB for external funding and counterpart GoA would contribute the balance amount as Equity. Approval from any of the agencies has not been obtained yet.

17.2.6. Revision of Project Cost: The total Project Cost is estimated to be approximately Rs. 232.53 Crores. The cost shown is inclusive of PMC expenses and preliminary expenses. Any impact due to FERV will be claimed on actuals at the time of submission of final tariff petition for this station.





### 17.3. 22.5 MW Borpani Middle – I Hydro Electricity Project

#### 17.3.1. Background

- 17.3.1.1. The Borpani Middle-I Hydro Electric Project envisages a run-of-the-river scheme. The project shall harness the hydropower potential created by construction of a barrage to create gross head of about 58 m. River Borpani flows with a steep to mild bed slope in this area and its advantages are taken for generating exploitable head bed out of river gradient.
- 17.3.1.2. It is located across rive Borpani about 3.0 Km away from village Umranji in the Karbi Anglong district of Assam. The nearest rail head is at Jagiroad and the nearest airport is at Guwahati and at a distance of 103 Kms and 148 Km respectively from the project site. It is planned to have installed capacity of 22.5 MW having 3 Units of 7.5 MW each. The diversion structure is a barrage consisting of 5 Bays of 13.5 m (w) X 10.0 m (h) each having upstream crest level of the floor is at 447 m. A surface Powerhouse is planned at about 2.5 Km d/s of the barrage.
- 17.3.1.3. Assam Power Project Development Company Ltd. (APPDCL), a joint venture company formed through Memorandum of Agreement between Govt. of Assam (GoA) and Infrastructure Leasing & Financial Services Ltd (IL&FS) (hereinafter referred to as 'APPDCL' or 'Client'), is developing Borpani Middle I HEP, located on Umkhem/Borpani river in Karbi Anglong District of Assam. APPDCL has contracted Lahmeyer International (India) Pvt. Ltd. (hereinafter referred to as 'LII' or 'Consultant') for preparation of Detailed Project Report (DPR) for the Project. The Contract for the services was signed on 11th July 2012. The consultant has submitted the Final DPR in July'15. Total estimated cost for the project is Rs.261.51 Crs.

#### 17.3.2. Present Status

- 17.3.2.1. Project Proposal with approved DPR was presented in the 105th Screening Committee meeting of Department of Economic Affairs (DEA), Ministry of Finance, Gol held on 18.03.2020 for necessary approval to pose to ADB for financial assistance.
- 17.3.2.2. DEA has deferred the project proposal till concurrence from ADB for Borpani Middle-II SHEP, (renamed as Karbi Langpi Middle-II Hydro Power Project) is received and all the statutory clearances viz Land and revenue, Forest, etc. are obtained.
- 17.3.2.3. APGCL is pursuing the process of obtaining statutory clearances viz. from Irrigation, Fishery, Water Resources, etc. and allotment of land.



### 17.3.3. Reasons for Delay in Execution

17.3.3.1. As stated, earlier the project was subjected to be executed under PPP mode. But later, with more insights and study, it has been decided that APGCL will develop the project on its own. DEA has deferred the project proposal till concurrence from ADB for Borpani Middle-II SHEP is received and all the statutory clearances viz Land and revenue, Forest, etc. are obtained.

17.3.3.2. Statutory clearances including allotment of land for the project is under process. Response is still awaited.

### 17.3.4. Revised Capital Expenditure of Borpani Middle – I HEP

Table 105: *Capital Expenditure of Borpani Middle - I HEP during the Control Period*

Rs. Cr

Year	FY 2022-23	FY 2023-24	FY 2024-25	Total
Equity	13.07	18.31	20.92	52.30
Debt	39.43	82.40	87.38	209.21
Grant				
Total	52.50	100.71	108.30	261.51

17.3.5. Revision of Project Cost: The total Project Cost is estimated to be approximately Rs. 261.51 Crores



## 18. NEW SOLAR PROJECTS

### 18.1. Background

- 18.1.1. As per the MNRE initiatives, Govt. of Assam insist on setting up solar power project in the state and requested APGCL to specify available Land under APGCL's jurisdiction of execution of solar power project. As APGCL has available land in project areas which may be used for setting up solar power project; APGCL intends to set up solar power projects in these areas.
- 18.1.2. APGCL identified five locations for setting up PV based solar power project namely at Amguri, NTPS, LTPS, CTPS and KLHEP. Accordingly, feasibility studies were carried out and found that Namrup and Amguri sits are suitable for setting up pilot solar PV power project.
- 18.1.3. APGCL is also exploring the possibilities of setting up new solar projects in various districts of Assam and accordingly communications have been made with district administration regarding allotment of suitable land for setting up of large-scale solar power projects.
- 18.1.4. As a result, till now APGCL has been handed over 300 Bighas of land at Lachun Chapori, Majuli for setting up of solar project from Majuli district administration. In addition to that, 20 Bighas of land has been handed over to APGCL for setting up of sub-station and auxiliaries for 60 MW Sonbeel floating solar project at Sonbeel, Karimganj from district administration. However, the NOC for allotment of 900 bighas of perennial beel areas of Sonbeel near to the allotted land area from Fishery Department is awaited.

### 18.2. 20 MW Namrup Solar PV Project

#### 18.2.1. Current Status

18.2.1.1. The retendering NIT for Design, Engineering, Procurement & Supply, Construction & Erection, Testing, Commissioning, Associated Transmission System & Comprehensive Operation & Maintenance for 5 (Five) Years Of 25 MWp Solar PV Power Plant at Namrup, Assam was floated on 12.02.2021.

18.2.1.2. The bid evaluation process has been completed.

18.2.1.3. Approval to award the contract from APGCL's Board of Director is awaited.

#### 18.2.2. Project Cost

18.2.2.1. The expected capital project cost is Rs. 94.20 Crores.

#### 18.2.3. Funding Pattern

18.2.3.1. The funding pattern will be as follows-

- Estimated capital project cost= 94.20 Crores
- Equity share (APGCL's own source) = 20% of project cost
- Debt (Term loan from financial institution) = 80% of project cost



**18.2.4. Capital Expenditure of Namrup Solar PV Project**

Rs. Cr

Year	FY 2022-23	FY 2023-24
Equity	16.96	1.88
Debt	67.82	7.54
Total	84.78	9.42

**18.2.5. Expected schedule of commissioning:**

18.2.5.1. The Project completion time is around twelve months from the date of issue of LOI/Work order to EPC contractor by APGCL. The Project expected to be completed by December 2022.

**18.3. 70 MW Amguri Solar Park****18.3.1. Background**

18.3.1.1. For promotion of Solar Power Projects in the state of Assam, the Power (Electricity) Department, Government of Assam along with APGCL intended to develop grid connected solar Power Projects. To facilitate the process, a vacant land of 340 acres at Amguri, Sivasagar district, under jurisdiction of APGCL, is identified for the development of solar park.

**18.3.2. Current Status**

18.3.2.1. 70 MW<sub>p</sub> Amguri Solar Power Project implementation works are progressively going on at the Amguri site.

18.3.2.2. The project is implemented in IPP mode where M/s Jakson being SPPD and APGCL being SPD.

18.3.2.3. The LoA for the project had been issued to M/S JAKSON Power Pvt. Ltd.

18.3.2.4. Power Purchase Agreement (PPA) executed between M/s JPPL and APDCL.

18.3.2.5. Till date, 90% of civil works has been completed and electrical installation work is going on.

**18.3.3. Expected schedule of commissioning**

18.3.3.1. The Project expected to be completed by December 2021.



## 18.4. 20 MW MAJULI SOLAR POWER PROJECT

### 18.4.1. Current Status

- 18.4.1.1. Land was identified at Lachon Chapori, Majuli for setting up of Solar Power Project of 20 MW<sub>p</sub> capacity. Advance allocation of 300B-0K-0L land to APGCL by District Administration, Majuli has been completed.
- 18.4.1.2. Pre-Feasibility report submitted by consultant.
- 18.4.1.3. Total Station Survey was conducted by APGCL officials on the advanced allotted land of 300B-0K-0L at Lachon Chapori, Majuli and also for preparation of estimate for construction of boundary wall.
- 18.4.1.4. DPR for the project has been prepared.
- 18.4.1.5. APGCL officials carried out a joint survey for the approach road to Project site along with PWD (Roads) and Water Resource officials.
- 18.4.1.6. Several official communications were made with Chief Engineer, PWD (Roads) and Chief Engineer, Water Resource to expedite the works for the approach road to the proposed solar project site.

### 18.4.2. Project Cost

- 18.4.2.1. As per final draft DPR, the estimated project cost is Rs. 99.54 Crores.

### 18.4.3. Funding Pattern

- 18.4.3.1. The proposed funding pattern will be as follows:
  - Estimated capital project cost= 99.54 Crores
  - Equity share (APGCL's own source/ Govt. of Assam) = 20% of project cost
  - Debt (Term loan from financial institution) = 80% of project cost

### 18.4.4. Capital Expenditure of Majuli Solar PV Project

Rs. Cr

Year	FY 2022-23	FY 2023-24
Equity	3.98	15.93
Debt	15.93	63.71
Grant		
<b>Total</b>	<b>19.91</b>	<b>79.64</b>

### 18.4.5. Expected schedule of commissioning

- 18.4.5.1. The Project is expected to be completed by December 2023.

## 18.5. 60 MW Sonbeel Floating Solar Power Project



18.5.1. Current Status

18.5.1.1. DC Karimganj had informed APGCL that the State Divisionary land Advisory Committee (SDLAC) approved the proposal of allotment of 20 Bighas of Govt. Khas Land covered for setting up of solar project of APGCL.

18.5.1.2. For Allotment of 900 Bighas of Beel Area of Sonbeel, necessary NOC from Fishery Dept for considering grant of User’s right of the said Beel Area is awaited.

18.5.1.3. APGCL has requested Fishery Department, GoA for necessary NOC for allotment of 900 Bighas of beel area of Sonbeel.

18.5.2. Expected schedule of commissioning

18.5.2.1. The Project is expected to be completed by December 2023.

**19. Capital Expenditure – Existing Projects**

**19.1. RENOVATION & MODERNISATION (R&M) OF EXISTING PLANTS**

19.1.1. In continuation of successful execution of earlier Renovation and Modernisation (R&M) schemes, it has been proposed for implementation of a comprehensive R&M schemes for LTPS, NTPS, KLHEP and LRPP covering the period 2022-23 to 2024-25. These R&M schemes have been necessitated in order to ensure maximum reliability and availability of the existing old units of both LTPS, NTPS, KLHEP & LRPP to maximize generation. The R&M of power stations has been considered to be the most attractive economic option for the Company. R&M schemes are aimed at reducing auxiliary power consumption, and improving generation and availability of generating units, resulting in fuel cost reduction by sustaining an efficient and smooth operation of plants.

**20. R&M Plan of Namrup Thermal Power Project**

**20.1. Capital investment**

20.1.1. The following R&M Plan is proposed for Namrup Thermal Power Station for the Period FY 2022-23 to FY 2024-25.

Table 106: R&M plan proposed for Namrup TPS for FY 2022-23 to FY 2024-25

Description of Works	Proposed amount (In Lakhs)			Needs & Justification
	FY 2022- 23	FY 2023- 24	FY 2024- 25	
	Electro-Mechanical Work at NTPS			

In Lakhs



Description of Works	Proposed amount (In Lakhs)			Needs & Justification
	FY 2022-23	FY 2023-24	FY 2024-25	
100W LED Street Light/bay light (complete set) with separate clamps & pipe bend fitting etc.	10	10		For proper illumination of streets & colony areas as well as for protection from wild animals like elephants & tiger etc.
200W LED Street Light/bay light (complete set) with separate clamps & pipe bend fitting etc.		22.5		
30 M high Mast Lighting System (complete set)		12	12	
Renovation of damaged sludge removing system of water clariflocculation system at Dillighat water Intake for the purpose of better water treatment	12	12		Nearly 85% of the existing system got damaged, so it requires urgent renovation.
Chemical Laboratory building up-gradation along with new Alum & Lime tanks & supply lines	10			Existing ones have got deteriorated due to aging.
Supply, installation & commissioning of sulphuric Acid dilution tank at DM Plant	9.5			Out of the 2nos. of existing acid dilution tank,1 no. Tank got damaged on several years ago due to aging, the other tank, which was in service, also have been found damaged & leakage due to corrosion
Renovation of damaged drinking water supply pipeline from D.M. plant to WHP residential colony & officers' colony at pahar line	12			The existing water supply line have got deteriorated due to aging for which proper supply of service water with required pressure are not obtained by the quarter occupants at that colony.
Overhauling (Electrical & Mechanical) of Overhead EOT crane at GTMD side (MMM make, Shaw Box type)	13			Overhead EOT crane is one of the important item for emergency TG manual operation for GT units along with lifting different cover, Rotor etc. during Overhauling period of GT Units.
procurement, Installation & Commissioning of 33 KV SF6 Circuit breaker at NTPS Switchyard for WHP & 2 MVA auxiliary power supply transformer.	16			The existing MOCBs are required to replace due to non-availability of spare parts.
Mobile trolley mounted 6000 LPH capacity transformer oil filtration plant.	35			This is minimizing the equipment downtime resulting to generation loss.
Procurement of Automatic Pressure calibrator, Model Fluke 729 300 G	8			used for calibration of Pressure Transmitters
Procurement of 0-100 psi Hydrogen Regulator, Model: AA-0805-2, Make: Harris calorific Co., Ohio, USA	4			very essential for H2 cooling of generator
Overhauling (Electrical & Mechanical) of Overhead EOT crane at STMD side	5			Overhead EOT crane is one of the important item for emergency for lifting the cover, shaft rotor etc. during the overhauling work.



Description of Works	Proposed amount (In Lakhs)			Needs & Justification
	FY 2022-23	FY 2023-24	FY 2024-25	
procurement, Installation & Commissioning of Air Circuit Breaker , Make L&T, Model CN CS 3200 D	9			The existing Breakers are required to replace due to non-availability of spare parts.
Megger MIT515 5KV Insulation Resistance Testers	4			Use for testing of different insulation under S/Y and Power House area
Multifunction/ Multi i- parameter Calibration test bench.	20			Multifunction/ Multi i- Parameter Calibration test bench will serve as a powerful tool for total quality Management (TQM) and ISO conformance with international standards and hence allowed.
Procurement of 100 HP BCW pump motor for unit no. 6	4.2			
procurement of Instrument & Clutch air compressor with motor for Gas Turbine Units.		6		The Instrument air compressor supplies the required air for the pneumatic control system of all the Two Gas Turbine units. The existing compressors have completed their normal life and hence replacement would ensure reliable operation.
Renovation of the Spray pond Piping System of GT Units		18.5		The Spray Pond is an essential part of the cooling system of the GT Units. The Replacement & Renovation of the damaged piping would improve the cooling effect, thus ensuring smooth functioning of the gas turbines.
Procurement, Installation & Commissioning of 33 KV SF6 Circuit breaker at NTPS Switchyard for Cooling Tower & Township feeders.		16		The existing MOCBs are required to replace due to non-availability of spare parts.
Overhauling of ALCO Diesel engine no. 2 of Diesel Powerhouse including Procurement of Spares		18.85		The Diesel Powerhouse is the heart of the power station supplying emergency and starting power. Timely maintenance is very important for smooth functioning and reliability.
Procurement of Vibration analyzer; Model: 810; Make: Fluke		9.75		vibration analysis of GT units
Procurement of Hart Communicator, Model: AMX Trex; Make: Emerson		5.45		used in calibration of Pressure and Temperature Transmitters, positioners etc.
Procurement of INLET THERMOCOUPLE, K TYPE; Element specification 02-9074-17-25, well specification: 16-6028-02-22.1; Make: PYCO, USA		7.2		For temperature controlling and monitoring
procurement, Installation & Commissioning of Air Circuit Breaker, Make L&T, Model CN CS 1250		6.00		The existing Breakers are required to replace due to non-availability of spare parts.





Description of Works	Proposed amount (In Lakhs)			Needs & Justification
	FY 2022- 23	FY 2023- 24	FY 2024- 25	
Turbovisory monitor system for #6		13.00		
Overhauling of ALCO Diesel engine no. 3 of Diesel Powerhouse including Procurement of Spares			18.85	The Diesel Powerhouse is the heart of the power station supplying emergency and starting power. Timely maintenance is very important for smooth functioning and reliability.
Tan Delta testing kit			40	For testing of switchyard component and prevention of outage due to breakdown
Multifunction/ Multi i- parameter Calibration test bench.			20	Multifunction/ Multi i- Parameter Calibration test bench will serve as a powerful tool for total quality Management (TQM) and ISO conformance with international standards and hence allowed.
Procurement of instrument Air Compressor for unit 6 Model-TBTD MM, Sl. No.- ALO422, LP Bore-255, HP bore- 160, stroke 120, FAD m/min-622, press- 9.0 kg/cm, rpm- 650,Krilosker Pneumatic make.			13.50	Presently running with one compressor which is an important auxiliary for running of the unit.
Procurement of Turbine Oil filter machine			9.00	
<b>Total (In Lakhs)</b>	<b>171.70</b>	<b>157.25</b>	<b>113.35</b>	

## 21. R&M Plan of Lakwa Thermal Power Project

### 21.1. Capital investment

21.1.1. The following R&M Plan is proposed for Lakwa Thermal Power Station for the Period FY 2022-23 to FY 2024-25.

Table 107: R&M plan proposed for Lakwa TPS for FY 2022-23 to FY 2024-25

In Lakhs

Description of Works	Proposed amount (In Lakhs)			Needs & Justification
	FY 2022- 23	FY 2023- 24	FY 2024- 25	
Electromechanical Works				



Description of Works	Proposed amount (In Lakhs)			Needs & Justification
	FY 2022-23	FY 2023-24	FY 2024-25	
Replacement of Fill Packs of 03 cells of Cooling Tower	170			The Cooling Tower at WHRP, LTPS of make Paharpur Cooling Towers Ltd., (model: 84836-5.0-06) had been in continuous operation since the commissioning of the WHRP, i.e., from 2012. As per OEM's inspection report, different components are damaged and needs to be replaced for better efficiency of the unit, which will help in improving generation output from the STG. Already, out of 06 cells, replacement of fill packs at 03 cells & necessary servicing is taken up in R&M 2020-21 vide Sl. No. B (2). Now, the replacement of fill packs at remaining 03 cells is proposed.
New and Updated Human Machine Interface (HMI) System along with installation & commissioning charges	180			The current HMI systems are in operation in 24x7 basis for more than 10 years since 2010 from the time of commissioning of the WHRP by M/s BHEL. Currently out of the 04 systems, only two systems are in fully operative condition. The remaining 02 systems are showing trouble every now & then. Often, they became inoperative & needs to restart. Moreover, all the 04 nos. of system is showing significant slowdown in processing speed in recent times. Failure of the HMI system would result in complete shutdown of the plant as without these systems, there will be no control or monitoring of the STG.
Overhauling of HPBFP with mandatory spares		140		The Boiler Feed Pump is one of the major equipment's of the WHRP Plant. Failure of BFP may lead to discontinuation of operation of the STG resulting in generation loss. Since more than 40000 RH have crossed at 03 nos. of the BFPs out of 04 nos., as such overhauling of minimum of 02 nos. of BFPs along with procurement of mandatory spares is proposed for the current F.Y. The OH works at the remaining BFPs will be taken up in subsequent years.
Overhauling of Cooling Water Pumps (CWP) along with supply of spares.			35	The Cooling Water Pump (CWP) is another major equipment of a Steam Generating Plant. Failure of the CWP may lead to discontinuation of operation of the STG, resulting in generation loss. Though there are 03nos. of CWPs present in our system for redundancy, the CWPs are in service since commissioning from 2012 onwards & till date no overhauling is being carried out. As such, it is proposed to go for overhauling of one of the pumps to enhance its service life. Overhauling work for one of the pumps is proposed in R&M 2023-24 & overhauling of the remaining pump will be taken up in next year i.e 2025-26.



Description of Works	Proposed amount (In Lakhs)			Needs & Justification
	FY 2022-23	FY 2023-24	FY 2024-25	
Replacement of Battery Bank, Charger Panel and DCDB Panel for GT unit #5, #6 and #7.			150	Among the 3 (three) units of Battery Bank, Charger Panel and DCDB Panel, 2 (two) are earlier used in Phase-I powerhouse. These are dismantled from Phase-I Powerhouse reinstalled and commissioned at Phase-II Power House. Due to aging and considering the average lifetime of cells and panels, it has been planned to replace Battery Bank, charger panel and DCDB Panel for GT unit #5, #6 and #7.
Condensate Extractor Pump Overhauling	50			The Condensate Extractor Pump is another major equipment of a Steam Generating Plant. Failure of the CEP may lead to discontinuation of operation of the STG resulting in generation loss. There are 02 nos. of CEP present in our system for redundancy. However, both the CEPs are in service since commissioning from 2012 onwards. As such, it is proposed to go for overhauling of one of them to enhance its service life in the coming F.Y 2021-22.
Replacement of critical MOVs with new & servicing of the remaining MOVs & servicing of Mechanical Valves	100			These MOVs are very significant in operation of the Steam Turbine & failure of any one of them may lead to complete shutdown of the WHRP plant. Since these MOVs are in operation for more than 09 years & no major servicing are carried out till date, as such they have developed certain wear & tear, due to which, operation of these MOVs have become quite difficult at certain times. From safety point of view as well, it is highly recommended to go for replacement of the critical MOVs with new ones & carry out repairing/servicing of the remaining ones so that smooth operation of the STG can be achieved.
Up gradation of main Battery Bank along with Charger, Cables, MS Stand & other accessories.	100			The battery bank of WHRP, LTPS provides power to emergency motors, lighting and protection system. The manufacturing year of the existing batteries were found to be 2006 and are in continuous service since 2011. Due to malfunctioning, a few nos. of batteries were already replaced.
Intermediate Overhauling of 37.2 MW STG & procurement of spares	50			As per OEM recommendation, the intermediate overhauling of the steam turbine needs to be performed after 25000 running hours (RH) from start/previous major overhauling. Since a major overhauling of the STG was performed by M/s BHEL at 41500 RH (to resolve the issue of low output), as such the next intermediate OH is due at 66500 RH. Considering the present RH, we need to go for the intermediate OH within the next 06 months.
Procurement of field instruments of Gas Turbine units of LTPS. (Unit #5)	70			Major Inspection of GT unit #5 is due in next 2022-2023, since the last Major inspection was done on 24/02/2014. Various field instruments are installed in the Gas Turbine units of Ph-II Power house for control protection of the gas turbine units. These



Description of Works	Proposed amount (In Lakhs)			Needs & Justification
	FY 2022-23	FY 2023-24	FY 2024-25	
				field instruments include servo valves, solenoid valves, Thermocouples, Pressure Transducers, Temperature Switches, Pressure Switches, Limit switches, Vibration sensors, Magnetic speed pick-up, and so forth. As, many of these field instruments will reach 48000 RH and hence have elapsed their service/operating life. Also, spare of some of the field instruments is not available at LTPS Store. Replacement of faulty field instruments with new instruments had to done from time to time in order to keep the control & protection of the Gas turbine units intact and hence increase the reliability of the units. In addition, these spares will also be required during emergency breakdown and maintenance work of the gas turbine units. Hence, unavailability of these GT instruments might lead to outage of the respective units and hence cause generation loss. In addition to the above, replacement of the existing old field instruments with state of the art instruments are required to augment the control and protection of the overall system and thereby increasing the reliability of the system which will enable the scope of running the unit for another 48000 hrs.
Procurement of field instruments and auxiliaries' motors for Gas Compressor unit # 9.	55			There is 01 (one) no. of Cameroon make Gas Compressor since 2014 for feeding of pressurized natural gas to the Frame-V , 20 MW Gas Turbines to produce power. Various field instruments for the Gas compressor unit of Ph-II Power House viz, DNFT, Actuator, Auto drained solenoid valve Pressure Transmitters, PIC, Pressure Switches, Gauges, Vibration Switch, Memory card, 16 channel digital input card and output card, 8 channel Analog input and output card, and so forth will be required to be retained as spare for scheduled/routine and any breakdown maintenance works. The present stock position of most of these spares have either become meager or nil at this end and hence to evade any untoward outage of Gas compressor units due to unavailability of spares, their procurement necessary. The outage of Gas compressor units might lead to generation loss at LTPS. In addition to the above, GC #9 requires two numbers of Auxiliary air exchanger fan motors and one AOP motor. However failure of any of the above motors mentioned shall lead to forced shut down of GC#9 halting its service, eventually which will disrupt the power generation of gas Turbines



Description of Works	Proposed amount (In Lakhs)			Needs & Justification
	FY 2022-23	FY 2023-24	FY 2024-25	
Up-gradation of Generators control & protection panel of 3 X 20MW, Ph-II units (1 unit in first phase) For unit # 5		150		The existing relay protection system is of old electromechanical type of relays. This relays are in service for more than 3 decades and some of them are out of service. The relays are not readily available in the market and needs to be upgraded to state of the art modern numerical relays. The Relays are vital for the life of the Generator and Transformer as sooner they clear the fault, safer is the equipment. Moreover, with replacement of one unit of relays the old relays can be used as spare for the other two no. of units.
Procurement and installation and commissioning of 132 KV SF6 Breaker (05 nos.), spring charge mechanism along with up gradation of Control Panel.		350		The existing 132KV SF6 Breakers are very old and needs to be replaced for the sustainability and reliability of Power supply of Ph-II and WHRP Power House. The existing breakers are not suitable for smooth operation since their tripping and closing mechanism does not operate in remote control system. These breakers are vital as it transmits the total power of PH-II and WHRP, thereby maintaining the power distribution to different feeders. The old panels are also in deplorable condition and needs to be renovated urgently for the smooth functioning of breaker switching and operation.
Procurement of auxiliaries motors and field instruments for 4RDS2 Dresser-Rand Gas Compressor units #6, # 7 and #8	220			Various field instruments viz, DNFT, Actuator, Auto drained solenoid valve Pressure Transmitters, PIC, Pressure Switches, Gauges, Vibration Switch, Memory card, 16 channel digital input card and output card, 8 channel Analog input and output card, and so forth and auxiliary motors for the Gas compressor unit of Ph-II Power House will be required to be retained as spare for scheduled/routine and any breakdown maintenance works. The present stock position of most of these spares have either become meager or nil at this end and hence to evade any untoward outage of Gas compressor units due to unavailability of spares, their procurement necessary. The outage of Gas compressor units might lead to generation loss at LTPS. In addition to the above, replacement of the existing old field instruments with state-of-the-art instruments are required to augment the control and protection of the overall system and thereby increasing the reliability of the system.



Description of Works	Proposed amount (In Lakhs)			Needs & Justification
	FY 2022-23	FY 2023-24	FY 2024-25	
Procurement of spares for 4RDS2 Dresser-Rand Gas Compressor # 6,7 & 8.	78			The Ph-II Power House of LTPS has been using 03nos 4RDS2 Dresser rand Gas compressor since 1994 for feeding of pressurized natural gas to its BHEL,GE Frame-V ,20 MW Gas turbines to produce power .The spare materials will be required for making the compressors available by performing different servicing, repairing and maintenance works along with replacement of required parts and thus it will increase the service life of the compressors also.
Procurement of 01 no 23" LP cylinder suitable for 4RDS2 Dresser-Rand Gas compressor unit #6, 7 or 8.	118			The Ph-II Power House of LTPS has been using 03nos 4RDS2 Dresser rand Gas compressor since 1994 for feeding of pressurized natural gas to its BHEL,GE Frame-V ,20 MW Gas turbines to produce power .Most of the LP cylinders of the compressors also become old and replacement may require at any time in coming days for safe smooth and long running of the compressors. At present the LP cylinder stock in LTPS store is also nil and may be required in any time in coming days in 4RDS2 Gas Compressors.
Procurement of Spares for Gas Compressor Unit #9	70			The Ph-II Power House of LTPS has been using 01 nos Cameroon make Gas compressor since 201 for feeding of pressurized natural gas to its BHEL,GE Frame-V ,20 MW Gas turbines to produce power .The spare materials will be required for making the compressors available by performing different servicing, repairing and maintenance works along with replacement of required parts with the spares and thus such activities will provide longer life to the compressor .
Procurement, Erection , Testing and commissioning of EOT crane at Gas Compressor #9 , Capacity-10 T	45			An EOT CRANE is very much essential in GC#9 Compressor House to perform both planned and breakdown maintenance works of the Compressor which is use to feed pressurized gas to 20MW BHEL Fram-V Gas Turbines. The EOT crane will minimize maintenance period and provide safe work.
Procurement of Spares for Combustion Inspection of GT unit # 5 & 6	35			The 03nos of 20MW BHEL Frame-V Gas Turbine units 5,6,7 require Combustion Inspection after interval of each 8000 Running Hours(333days) as per OEM manual. For performing the Combustion inspection works for safe and smooth run of the units some spares are required to be keep available and for that the spares will be required.

Description of Works	Proposed amount (In Lakhs)			Needs & Justification
	FY 2022-23	FY 2023-24	FY 2024-25	
Complete overhauling of one 7.5 MVA (R14) station transformers. Manufacturing year 1980	55			The two 7.5MVA station transformers in LTPS switchyard are very old (around 40yrs) and due to aging the insulating properties of transformers are deteriorating. So complete overhauling of transformers is required on urgent basis. The transformers feed power to LRPP ( standby) , 33KV Maibella Feeder, 33KV ONGC and LTPS Water Intake , 33KV LTPS Colony Feeder, LTPS Workshop and other Power House auxiliaries. Since both transformers cannot be taken out of service together, we are planning to go for overhauling one after another.
Procurement of 132kV Current transformers for station transformers and bus tie bay.	46.2			The 132kV Current transformers of the station transformers R1 and R14 and BUS TIE bay are very old and needs to be replaced at the earliest. Also the interconnecting bay of Phase I and Phase II switchyard.
Procurement of 132kV Feeder Isolators.	59.4			The 132kV feeder isolators in LTPS switchyard are to be replaced at urgent basis as these are very old , operating and maintenance of these isolators are becoming difficult day by day due to unavailability of spares as they are of very old make. Thus , with new isolators the frequent hotspots problem and bus shutdown that leads to whole plant shutdown can be minimized.
Diversion of 11 KV Colony Feeder	35			The a few spans of existing 11 KV network of Colony feeder is running in areas outside LTPS boundary. During major line fault the maintenance of these spans are very difficult and time consuming thereby affecting the power supply of LTPS Colony. To minimize the outages, we require to divert few of the 11 KV Colony feeder spans.
Servicing of Diverter Damper (DD) Complete & its actuator gearbox along with supply of spares		40		Since the last few months, it was observed that sometimes the DD of HRSG gets stuck up in between full open & full closed set points, resulting in shutdown of the corresponding boiler unit, which leads to loss of generation until the said issue is resolved. Therefore, from the perspective of smooth operation, servicing of these DD and its gearbox is extremely necessary.
Overhauling of Cooling Water Pumps (CWP) along with supply of spares.		30		The Cooling Water Pump (CWP) is another major equipment of a Steam Generating Plant. Failure of the CWP may lead to discontinuation of operation of the STG, resulting in generation loss. Though there are 03nos. of CWPs present in our system for redundancy, the CWPs are in service since commissioning from 2012 onwards & till date no overhauling is being carried out. As such, it is proposed to go for overhauling of one of the pumps to enhance its service life. Overhauling work for the



Description of Works	Proposed amount (In Lakhs)			Needs & Justification
	FY 2022-23	FY 2023-24	FY 2024-25	
				remaining pumps will be taken up in subsequent years.
Procurement of a new Silica analyzer for SWAS.		12		The silica analyzer of the SWAS system is not in working condition. Since proper monitoring & maintaining the silica content of the water is very essential for a steam generating plant to enhance its life, it is proposed to go for procurement of a latest upgraded silica analyzer.
Replacement of Motor Control Centre Panel for Raw Water Intake Pump House.		25		The Motor Control Centre for Intake Water Pump House is in service since commissioning on 2012 & it is becoming difficult to maintain it due to unavailability of spares. Hence, it is desirable to replace the MCC with new one having proper protection system in the feeders.
Procurement of field instrument for Gas Compressor Units # 6 and # 7 of LTPS.		50		Various field instruments for the Gas compressor units of Ph-II Power House viz, Pressure Transmitters, PIC, Pressure Switches, Gauges, Vibration Switch and so forth will be required to be retained as spare for scheduled/routine and any breakdown maintenance works. The present stock position of most of these spares have either become meager or nil at this end and hence to evade any untoward outage of Gas compressor units due to unavailability of spares, their procurement necessary. The outage of Gas compressor units might lead to generation loss at LTPS. In addition to the above, replacement of the existing old field instruments with state-of-the-art instruments are required to augment the control and protection of the overall system and thereby increasing the reliability of the system. In addition to the above, replacement of the existing old field instruments with state-of-the-art instruments are required to augment the control and protection of the overall system and thereby increasing the reliability of the system.
Procurement of field instruments for Gas Turbine Unit # 6 of LTPS.		60		Last Hot Gas Path Inspection of unit # 6 was done on December 2020 at 162522 hrs and is due for next MI in 2023-2024. Various field instruments are installed in the Gas Turbine units of Ph-II Power house for control protection of the gas turbine units. These field instruments include servo valves, solenoid valves, Thermocouples, Pressure Transducers,





Description of Works	Proposed amount (In Lakhs)			Needs & Justification
	FY 2022-23	FY 2023-24	FY 2024-25	
				Temperature Switches, Pressure Switches, Limit switches, Vibration sensors, Magnetic speed pick-up, and so forth. As, many of these field instruments will reach 48000 RH and hence have elapsed their service/operating life. Also, spare of some of the field instruments is not available at LTPS Store. Replacement of faulty field instruments with new instruments had to done from time to time in order to keep the control & protection of the Gas turbine units intact and hence increase the reliability of the units. In addition, these spares will also be required during emergency breakdown and maintenance work of the gas turbine units. Hence, unavailability of these GT instruments might lead to outage of the respective units and hence cause generation loss. In addition to the above, replacement of the existing old field instruments with state-of-the-art instruments are required to augment the control and protection of the overall system and thereby increasing the reliability of the system which will enable the scope of running the unit for another 48000 hrs.
Major overhauling of Generator transformer ,30 MVA 11/132KV of GT unit #5 and #6along with oil filtration		25		As there has been no of major overhauling since after commissioning of the said transformer , so, it is become mandatory to perform the major overhauling of the said transformers to ensure the healthiness of the overall protection system providing longer life.
Procurement of 05 sets of 132KV isolators for replacing the old existing isolators in phase II power house switchyard		50		The isolators and switchyard was commissioned during the 90's and of late the isolators have been creating trouble in their operation. There have been instances where the isolators do not get closed properly (improper contact) which leads to hot spot and other kind of problems. The isolators are of single break turn and twist type which needs to be changed to more convenient and easier to operate isolators. The same was also proposed in previous R&M but approval is till pending.
Testing and commissioning of transfer Bus of 132kV PH#II switchyard including switchyard auxiliaries.		40		The transfer bus has been in idle condition since commissioning. As only the main Bus of the switch yard has been using since commissioning so it may go under maintenance in any time in such case the transfer bus will came into service.
Major Overhauling of 7.5MVA 132/3.3kv Station transformer 1 &2.		20		As there has been no major overhauling since after commissioning of the said transformers, so, it is become mandatory to perform the major overhauling of the said transformers to ensure the healthiness of the overall protection system providing longer life.



Description of Works	Proposed amount (In Lakhs)			Needs & Justification
	FY 2022-23	FY 2023-24	FY 2024-25	
Renovation of Air Conditioning system of Phase-II Power Control room		50		The existing Air Conditioning system of Phase-II Power House Control room is in deteriorating condition due to aging. Hence it is most essential for replacement of the said system for safety purpose of the control panels.
Procurement of spares for 4RDS2 Dresser-Rand Gas Compressor # 6,7 & 8.		85		The Ph-II Power House of LTPS has been using 03nos 4RDS2 Dresser rand Gas compressor since 1994 for feeding of pressurized natural gas to its BHEL,GE Frame-V ,20 MW Gas turbines to produce power .The spare materials will be required for making the compressors available by performing different servicing, repairing and maintenance works along with replacement of required parts and thus it will provide longer life to the compressors also.
Procurement of 01 no 13" HP cylinder suitable for 4RDS2 Dresser-Rand Gas compressor unit #6, 7 or 8.		58		The Ph-II Power House of LTPS has been using 03nos 4RDS2 Dresser rand Gas compressor since 1994 for feeding of pressurized natural gas to its BHEL,GE Frame-V ,20 MW Gas turbines to produce power .Most of the HP cylinders of the compressors also become old and replacement may require at any time in coming days for safe smooth and long running of the compressors. At present the LP cylinder stock in LTPS store is also nil and may be required in any time in coming days in 4RDS2 Gas Compressors.
Procurement of Inlet Air filter for 20 MW frave-V Gas Turbine # 6 & 7- 01 set		15		Proposal of procurement of Turbine inlet air filters for 2023-2024is placed as it approximately estimated that during the financial year the stock will become nil and to run the Gas Turbine Units smoothly it will become essential. New air filters will improve the differential pressure of the inlet air to the Gas Turbines and thus will increase its efficiency.
Procurement of Spares for Combustion Inspection of GT unit # 5 & 6		40		The 03nos of 20MW BHEL Frame-V Gas Turbine units 5,6,7 require Combustion Inspection after interval of each 8000Running Hours(333days) as per OEm manual. For performing the Combustion inspection works for safe and smooth run of the units some spares are required to be keep available and for that the spares will be required.
Procurement of Spares for Gas Compressor Unit #9		70		The Ph-II Power House of LTPS has been using 01 nos Cameroon make Gas compressor since 201 for feeding of pressurized natural gas to its BHEL,GE Frame-V ,20 MW Gas turbines to produce power .The spare materials will be required for making the compressors available by performing different servicing, repairing and maintenance works along with replacement of required parts with the spares and thus such activities will provide longer life to the compressor .



Description of Works	Proposed amount (In Lakhs)			Needs & Justification
	FY 2022-23	FY 2023-24	FY 2024-25	
Modification of Hydran Point Pipe line of Fire Fighting system at PH-II power House		50		Due to ageing, the leakage, wear & tear to the present underground cast iron Pipe line of fire fighting system of LTPS reached maximum level. As the system is most important for eliminating disaster like fire brake out in power house area a proposal is placed for modification of the system during financial year 2023-24.
Procurement of 33kV Current transformers.		20.79		The 33kV Current transformers of station transformers R1, R14, Maibella, ONGC, Colony, R3 and R15 are very old and for reliability, these Current transformers are to be replaced as soon as possible.
Complete overhauling of one 7.5 MVA station transformers		55		The two 7.5MVA station transformers in LTPS switchyard are very old (around 40yrs) and due to aging the insulating properties of the transformers are deteriorating. So complete overhauling of the transformers are required on urgent basis. The transformers feeds power to LRPP( standby) , 33KV Maibella Feeder, 33KV ONGC and LTPS water intake, 33KV LTPS Colony Feeder, LTPS Workshop and other power house auxiliaries. Since both transformers cannot be taken out of service together, we are planning to go for overhauling one after another.
Procurement of Transformer 132kV Isolators.		36.3		The 132kV isolators in LTPS switchyard are to be replaced at urgent basis as these are very old, operation and maintenance of these isolators are becoming difficult day by day due to unavailability of spares as they are of very old make. Thus, with new isolators the frequent hotspots problem and bus shutdown that leads to whole plant shutdown can be minimized.
Procurement of 33kV Isolators.		28.05		The 33kV isolators in LTPS switchyard are to be replaced at urgent basis as these are very old, operation and maintenance of these isolators are becoming difficult day by day due to unavailability of spares as they are of very old make. Replacing this will lead to more reliable power supply.
Procurement of 145kV Circuit Breaker		8.8		The interconnecting breaker between Phase I and Phase II needs to be replaced for reliable flow of power from Phase II and WHRP to the main bus 132kV in Phase I switchyard.
Field Instruments of C&I			10	Almost 90% of C&I field instruments are in operation since commissioning of WHRP on 2012. As it started to degrade due to aging & reliability of its function is greatly affected, it is proposed to replace with new ones.



Description of Works	Proposed amount (In Lakhs)			Needs & Justification
	FY 2022-23	FY 2023-24	FY 2024-25	
Procurement of Intake Pump			25	There are 03 nos of pumps operating at Intake Pump House of WHRP. Out of the 03 nos. of pumps, 02 nos. of pumps have already crossed more than 09 years of life time. As such, due to aging & normal wear & tear, we require certain spares like Shafts, Sleeves, Spiders, etc. to keep the pumps in operation. It has been seen from past experiences that the cost of said spares are very high. As such, it is proposed to go for procurement of a new bare pump (without Motor), which will cost relatively less than maintaining an old pump.
Up-gradation of illumination system of WHRP.			10	Existing illumination system installed at WHRP consists of old high power consuming HPSV, HPMV or florescent tubes or bulbs. These lightings need to be replaced with LED so that auxiliary power consumption can be reduced & moreover they are very maintenance free..
Procurement of field instruments and auxiliaries' motors for Gas Compressor unit # 9.			70	There is 01 (one) no. of Cameroon make Gas Compressor since 2014 for feeding of pressurized natural gas to the Frame-V , 20 MW Gas Turbines to produce power. Various field instruments for the Gas compressor unit of Ph-II Power House viz, DNFT, Actuator, auto drained solenoid valve Pressure Transmitters, PIC, Pressure Switches, Gauges, Vibration Switch, Memory card, 16 channel digital input card and output card, 8 channel Analog input and output card, and so forth will be required to be retained as spare for scheduled/routine and any breakdown maintenance works. The present stock position of most of these spares have either become meager or nil at this end and hence to evade any untoward outage of Gas compressor units due to unavailability of spares, their procurement necessary. The outage of Gas compressor units might lead to generation loss at LTPS. In addition to the above, GC #9 requires two numbers of Auxiliary air exchanger fan motors and one AOP motor. However, failure of any of the above motors mentioned shall lead to forced shut down of GC#9 halting its service, eventually which will disrupt the power generation of gas Turbines.
Modification of Firefighting system of Phase-II power house and Switchyard.			100	Due to aging, the present fire fighting system needs to be renovated for eliminating disaster like fire break out in power house and switchyard area of Ph-II Power house.

Description of Works	Proposed amount (In Lakhs)			Needs & Justification
	FY 2022-23	FY 2023-24	FY 2024-25	
Procurement , erection, testing and commissioning of High Mast Tower for illumination in the entire Ph-II Power House and Switchyard area. 4 (Four) No.s			60	For proper illumination in the switchyard, transformer yard and surrounding area of Power House and Compressor House it will be more convenient to install High Mast tower rather than street lights. The High Mast Towers are maintenance free as compared to street lights which will save maintenance cost and manpower also.
Procurement of Spares for Gas Compressor Unit #9			70	The Ph-II Power House of LTPS has been using 01nos Cameroon make Gas compressor since 201 for feeding of pressurized natural gas to its BHEL,GE Frame-V ,20 MW Gas turbines to produce power .The spare materials will be required for making the compressors available by performing different servicing, repairing and maintenance works along with replacement of required parts with the spares and thus such activities will provide longer life to the compressor .
Procurement of spares for Ingersoll rand Instrument Air Compressor # 1, 2 & 3			5	There are 03 nos of Ingersoll Rand Instrument air compressors in 3x20MW PH#II Power House of LTPS for supplying pressurized air to the control system without which the various equipment could not be run. The spare materials may require any time in coming days for servicing, repairing or maintenance of the Instrument Air Compressors. Thus the activities will provide the IACs longer life.
Procurement of Inlet Air filter for 20 MW frave-V Gas Turbine #5 , 6 & 7 - 01 Set			35	Proposal of procurement of Turbine inlet air filters for 2023-2024is placed as it approximately estimated that during the financial year the stock will become nil and to run the Gas Turbine Units smoothly it will become essential. New air filters will improve the differential pressure of the inlet air to the Gas Turbines and thus will increase its efficiency.
Procurement of Spares for Combustion Inspection of GT unit # 5 & 7			45	The 03nos of 20MW BHEL Frame-V Gas Turbine units 5,6,7 require Combustion Inspection after interval of each 8000Running Hours(333days) as per OEM manual. For performing the Combustion inspection works for safe and smooth run of the units some spares are required to be keep available and for that the spares will be required.
Procurement of fan blade Assembly for 4DRS2 Dresser -Rand Heat exchanger of Gas Compressor #6, 7 or 8.(02 set)			35	Due to ageing of Heat Exchanger, the fan blade assembly is detorated also the motor is not in healthy condition which is installed during Commissioning of Gas compressors. Also we need to replace the assembly with more efficiency fan blade assembly with less energy consumption.
Inspection servicing and maintenance of 4RDS2 Gas compressor #8 by OEM Dresser-Rand			10	The last Major Overhauling of the compressor was done on 2020-2021 by Dresser-Rand(OEM) and after running of a suitable period 04years it proposed to do inspection, servicing and maintenance by OEM to Assur further longer life.



Description of Works	Proposed amount (In Lakhs)			Needs & Justification
	FY 2022-23	FY 2023-24	FY 2024-25	
Inspection servicing and maintenance of Gas compressor #9 by OEM			10	After completion of last major restoration work on 2022-2023 by M/S KAL ENERGY INDIA PVT.INDIA (OEM) after running a suitable period of 03years it is proposed to do inspection, servicing and maintenance by OEM to assure further longer life.
Procurement of one 500KVA 33/0.4kV transformer.			7.7	Required for switchyard auxiliary supply. There is no standby transformer to feed the switchyard auxiliary load so on the event of the SAT switched off or tripped power is drawn from the LRPP 0.4kV bus. So to minimize the LRPP consumption this transformer is required.
Procurement of testing and safety equipment.			50	High voltage detector, insulation tester, earth tester, earth switches, safety shoes etc are necessity in 132kV switchyard.
Procurement of Transformer oil filtration machine			35.2	Required for filtration of transformer oil in LTPS plant. This filtration machine can be used in all the generating stations of APGCL.
Procurement of one 2.5 MVA 33/11 KV Transformer.			35	The present colony transformer (manufacturing year 1988) and the stand-by transformer ( manufacturing year 1978) are very old. Failure of which will lead to no power in the LTPS Colony. So, we need to procure at least one transformer for uninterrupted power supply to LTPS Colony.
Procurement of Switchyard and Colony equipment for renovation and upgradation of existing old system			30	The present equipment of Switchyard and Colony are becoming old day by day so far continuity of reliable power supply, various equipment is needed to be replaced from time to time.
Civil Work for LTPS				
Layout of LTPS Plant with supply of all proper drawings	6			LTPS Plant doesn't possess a layout. With a lot of structure and roads within the plant, the depiction of all these in single layout is extremely essential. A proper layout at vicinity of entry gate of LTPS will be useful for any newcomer/guests/officials visiting the plant
Deep tube well water supply system inside the power plant at LTPS, Maibella (Including boring, supplying, and fitting of pump set up with all pipeline and fittings, construction of filter chamber and supply of all filter materials.)	55			The existing water supply system of LTPS is common for both the colony and power plant. However, due to expansion of the colony since its inception, the water demand as risen and most of the time it becomes very difficult to meet the water demand of both the colony and power plant. The life of pump and motors may also shorten due to continuous operation. Providing a separate water supply system for power plant alone will be essential to mitigate the water crisis of LTPS.

Description of Works	Proposed amount (In Lakhs)			Needs & Justification
	FY 2022-23	FY 2023-24	FY 2024-25	
Construction of paver block road from main road in front of army canteen to newly constructed multi storied building inside LTPS residential colony.	25			The construction work of multi storied building is in progress and is scheduled to be completed by September 2022. The road however connecting the building from the main road is earthen and access to the site is very difficult specially during the monsoons. Therefore, construction of paver block road is therefore essential for proper connectivity to the multi storied building.
Roof treatment of cooling water pump house panel room of WHRP at power plant of LTPS	1.5			The panel room shelters important panels but recently water leakage from the roof has been reported and this needs to attend on an emergency basis to avoid any mishaps.
Construction of LTPS main gate	10			The main entrance gate of the plant has been constructed long back and at presently is in a deplorable state, with its components being rusted and damaged. Recently, some minor repairing and paint work has been done but from structural point of view the gate needs to be replaced. Construction of a new gate is therefore proposed.
Repairing of Switchyard stored at power plant at LTPS	8			The existing switchyard store is in a very deplorable condition. The flooring of the same is completely damaged, there are major leakages in the roof and the joists and angles supporting the structure have rusted. As important electrical instruments and parts are store here it is very important that this store be repaired at the earliest.
Renovation of children park and construction of surrounding drain along with cover slabs at LTPS, Maibella	20			The children park at the LTPS colony is in a very poor and shabby state. The walls, fencing, gate and surrounding drain are in a broken and dilapidated state. The play instruments in the park are rusted and damaged. The park is just lying as a waste land. The park may thus be renovated so as to serve its purpose for the children and residents of the plant.
Development and repairing of roads inside LTPS residential colony.	15	15	15	The roads within the campus have been constructed long back and most of them have deteriorated with large potholes and bitumen surface completely damaged. The same needs to be repaired and the necessary development is to be done for the inhabitants of the residential colony.
Repairing of quarters at LTPS residential colony.	30	30	30	Almost all the residential quarters of the campus are Assam type buildings and had been constructed long back. Due to this most of them are in a poor state. These quarters require frequent and periodic maintenance and repairing. Also, the nuisance of termites causes frequent woodworks in the quarters.

Description of Works	Proposed amount (In Lakhs)			Needs & Justification
	FY 2022-23	FY 2023-24	FY 2024-25	
Renovation of water supply pipelines and all fittings at LTPS residential colony and Power Plant	10	10	10	The water supply pipeline of the residential colony and power plant have been laid right at the inception of the plant. Though periodic maintenance of the pipelines are done but frequent leakages are observed which result in a great amount of water wastage. The pipelines are therefore required to be replaced so that the water wastage can be nullified and also for good discharge which in turn will help to save energy.
Repairing of water pump house building, development of surrounding areas of water supply system of LTPS	7	7	7	The water pump house buildings and the water treatment structures have been constructed long back and require periodic repairing and maintenance. The surrounding area also needs to be developed by providing proper accessibility.
Supplying of filter chamber material of LTPS	8	8	8	The filter chamber materials need to be replaced from time to time to provide clean and hygienic water supply to the colony and power plant.
Development of boundary walls around LTPS Colony	20	20	20	Many parts of the boundary wall around the power plant need major repairing and construction. From a security point of view this is a major and important work that has to be undertaken.
Renovation of Erector's Hostel at LTPS	15	15	15	The erectors hostel (guest house) of LTPS had been constructed long back and periodic maintenance of the building is to be done. Mainly the issue of water leakage from the roof is prominent. This has further led to damage of the wood truss. The entire set up of the same therefore needs to be replaced/renewed.
Providing of boundary fencing for the residential quarters of LTPS	20	20	20	Most of the departmental quarters of LTPS don't have proper fencing. As such nuisance of the cattle's damaging the crops and property is common. Moreover, from a security point of view provision of proper fencing is very basic and essential.
Repairing of Administrative office building of LTPS	15	15	15	The administrative office of LTPS had been constructed long back and periodic maintenance of the building is to be done. Mainly the issue of water leakage from the roof is prominent. This has further led to damage of the wood truss. The entire set up of the same therefore needs to be replaced/renewed. Moreover, some structural civil works also need to be addressed from time to time.
<b>Total (In Lakhs)</b>	<b>1802.1</b>	<b>1648.94</b>	<b>967.9</b>	





## 22. R&M Plan of Karbi Langpi Hydro Electric Project

### 22.1. Capital investment

22.1.1. The following R&M Plan is proposed for Karbi Langpi Hydro Electric Project for the Period FY 2022-23 to FY 2024-25.

Table 108: R&M plan proposed for KLHEP for FY 2022-23 to FY 2024-25

In Lakhs

KLHEP	Proposed amount (In Lakhs)			Need of Justification
	FY 2022- 23	FY 2023- 24	FY 2024- 25	
<b>Electromechanical Work for KLHEP</b>				
Spare for Inspection & Repairing of KLHEP units	40	40	40	The consumables materials tend to wear and tear very quickly due to continuous and long operation of auxiliaries in line with 100MW Power Generation. As such of optimum Power Generation, minimum spares for each auxiliary has to be maintained in stock for immediate replacement based on the condition and healthiness of the materials in service. Beside these, some materials are also to be procured time to time on emergency basis during unforeseen situation. Also due to work site demand, certain materials are to be procured for some minor modification works.
Repairing of 220 KV GTR/33 KV DTR/ 11 KV DTR/ LT DTR	100	100	100	
Replacement of Broken Cable Tray in 220 KV Switchyard area.	20	20	20	
Renovation of Runner for 51MW Francis type vertical shaft Turbine of KLHEP			500.00	The runner of Turbine is the prime mover of KLHEP machines. This runner had been supplied and installed in the year 1983 along with other components of Turbine and Generator of KLHEP. Due to ageing and continuously running of the machine, the runner had developed cavitation and reduces efficiency of load generation. Also, cavitation was formed due poor quality of the input propelling water. Therefore, the runner had to be replaced with suitable metallurgy which in turn will enhance both the service life and load generation of machine.



KLHEP	Proposed amount (In Lakhs)			Need of Justification
	FY 2022- 23	FY 2023- 24	FY 2024- 25	
Replacement of SF6 Breakers, CT's, PT's, Isolators etc. of 220KV Switchyard at KLHEP	1000.00			The Switchyard of KLHEP was commissioned in the year 2007 under Balance Electrical Works (BEW) with many old equipment and have started to deteriorate. The tan-delta test conducted by MRT for CTs, PTs and Circuit Breakers were not satisfactory due to ageing. Also, spares required for keeping the equipment in healthy condition are not available with the vendor due upgradation and modernization in the OEM workshop. For instance, trip coil of SF6 Breaker, connector of CT, PT, Isolator, etc are running to exhaust from the stock very soon. So, for the smooth functioning, renovation & modernization of 220KV KLHEP Switchyard is required at the earliest.
Energy Meter for Office cum Guest House and Staff Quarter at Lengery.	30.00			The billing of Energy Meter No. AS880986 against Bulk Supply 500KVA DTR of KLHEP at Lengery is done regularly by IRCA, KANCH. At present, power supply from this DTR feeded to Guest House, Transit Camp, Office, Auditorium, Street Light, Pump House and some public consumers like LSVN (School & Hostel), CRPF Camp, Market Complex and some local consumers. Therefore, for proper energy accounting, exact power consumption has to assessed by urgent installation of Energy Meter at these points. In addition to these, Energy Meter at all the quarters are to installed for Energy Bill collection from the occupant as Electricity Allowance is paid to all the employees along with the monthly salary.

KLHEP	Proposed amount (In Lakhs)			Need of Justification
	FY 2022- 23	FY 2023- 24	FY 2024- 25	
Marshalling Panel for 21MVA Generator Transformer	65.00			There are 07 Nos (06 Nos in Service+01 Standby) of 21 MVA Generator Transformer to evacuate the power generated from 2X50 MW KLHEP. Each transformer is equipped with 2 nos. of Oil Pump ( One in Service and One in Standby) to circulate Oil through 02 Nos of Heat Exchanger. The Marshalling Panel of the transformer is required to control the operation of this oil pumps and it contains the mechanism to communicate the inputs receives from all the supervisory instruments to the Control Room for supervision. The Marshalling panels also houses the Oil Temperature Indicator and Winding Temperature Indicator, which are very vital for the safety of the Transformer. As the condition of the Marshalling panels in all of the seven (07) nos. Generator Transformer of KLHEP are already in deteriorated condition due to ageing for which all the contractors and relays are needed to be urgently modernized to enable proper protection of the Transformer and reduce breakdown of the transformer which may cause generation loss.
3-Phase, 750KVA, 11/0.43KV Transformer used as Unit Auxiliary Transformer (UAT)	25.00			The 3-Phase, 750KVA, 11/0.43KV Transformer used as Unit Auxiliary Transformer (UAT) in the 2x50MW KLHEP plays a vital role. At present there are 2 nos. (1 no. for each unit of UAT in the 2x50MW KLHEP plant which are used for supplying power to the Unit Auxiliaries of the plant like oil pump motor, cooling water pump motor etc. In case of any emergency breakdown of a UAT, there is no spare to replace. Therefore, for the smooth functioning of the 2x50 MW KLHEP plant, there is urgent requirement for procuring of 1 no. of



KLHEP	Proposed amount (In Lakhs)			Need of Justification
	FY 2022- 23	FY 2023- 24	FY 2024- 25	
				3 Phase, 750 KVA, 11/0.43KV Transformer.
Design, Supply and installation & Commissioning of extension in the existing 33 KV outdoor Switchyard for Power evacuation from 13.5 MW MSHEP and Station auxillary power supply to 2X50 MW KLHEP Power house and Project Area	250.00			The existing 33KV indoor panel in KLHEP had failed in multiple times due Short circuit & Lightening. Due to recent fire accident, on 03/10/2021, a major portion of the panel had burnt out and currently the panel is charging temporarily with one couple of feeders to evacuate MSHEP power only. All other important load centers are now connected to a distribution sub-station, which is unreliable due to feeder through the hilly terrain. This panel directly effects the Power Evacuation from 13.5MW MSHEP and Station auxillary supply to KLHEP. Therefore, this indoor panel is to be replaced with a outdoor switchyard by extending the existing 33KV Bus of the outdoor switchyard with 02 No.s of incomer feeder and 06 No.s Out going feeder (including 02 No.s of existing outgoing feeder). This outdoor switchyard will reduce the constraint of power evacuation and strengthen the 33KV LT network which is very important for smooth running of the plant
CO2 Fire Protection for both the 50 MW Generator of KLHEP	40.00			The fire protection for heavy Electrical Equipment's is very necessary for the safety of the equipment. As of now, inside the 50 MW Generator housing, no automated fire protection is installed. Therefore, a temperature triggered automated Carbon Di Oxide fire protection system may be installed for the safety of this high-cost equipment or to minimize the financial loss due fire incident. This

KLHEP	Proposed amount (In Lakhs)			Need of Justification
	FY 2022- 23	FY 2023- 24	FY 2024- 25	
				system is highly recommended as it won't damage the generator and there will be no residue after discharge and can refilled & replaced locally.
Silent 500KVA DG set for Power House		65.00		The Power House of KLHEP is required uninterrupted power supply for running the units. In case of power failure, backup power is supplied from DG Set. The existing 500 kVA DG of KLHEP is running since 2006 with several times of major repairing. The healthiness of DG set had deteriorated very much and become insufficient power back up to running the units. Now, the DG set has created multiple problem with Diesel Engine and running not satisfactorily. Therefore, smooth operation of KLHEP, new DG set is to be procured at the earliest.
Mobile crane with 360 base rotationl and lifting capacity of 20 Ton		180.00		There is a 12.5 Tones Coles Crane manufactured in the year 1983 at 2X50 MW KLHEP Power House which is the only source of lifting/moving of all the heavy equipment's but due to its lesser capacity and unavailability of spares it becomes very difficult during loading & unloading works at the Power House site. So, a new mobile crane with 360 base rotationl and lifting capacity of 20 Ton is required for the smooth functioning of the KLHEP and MSHEP. This will also help to take up the Capital Overhauling Maintenance (COM) works, and other maintenance works of the units of KLHEP & MSHEP.
Renovation and Refurbishment of 130T EOT Crane with redesigned control system.		60.00		The 130/30 Ton capacity Electrical Overhead Travelling crane of KLHEP Power House is vital for the lifting heavy components during Capital maintenance of 50MW Unit-1 & Unit-2. As the EOT crane was

KLHEP	Proposed amount (In Lakhs)			Need of Justification
	FY 2022- 23	FY 2023- 24	FY 2024- 25	
				supplied and commissioned in the year 1988 and since then the crane has be serving the required work at Power House. Due to ageing the healthiness of the crane is now deteriorated and decreases its efficiency and reliability. Moreover, the main and auxillary hoist motor control system along with all electrical panels of the crane are become obsolete and spares are unavailable. Therefore, complete renovation of control features of this crane is utmost necessary as the service of the crane is very much essential and works related with heavy load and with precision in safety of human & machine. Therefore, the crane is required for major renovation with replacement of all deteriorated components with re-engineered control system .
Replacement of all 2X50 Mw Generator Control and Relay Panel		350.0 0		The present control System of KLHEP Unit is Electro-mechanical in nature. Most of the protection and auxillary relays are made by FUJI Electric in the year 1983. Therefore, in present days Electro mechanical relays are obsolete in around the world. Therefore, replacement of any damage relays is very difficult as the spares are not available anywhere. Moreover, more technologically advanced control system are developed. Therefore, to enhance reliability and sensitivity of the system a very dynamic and state of art modernized digital control and protection system for both the units is to be installed at the earliest.
Cooling water supply system for Generator Turbine and Transformer		150.0 0		Cooling water supply system of KLHEP at present is directly supplied from Draft Tube water to Generator-Turbine cooling system and Generator-Transformer oil cooler. This feeding water carry sands, chips and pebbles and erode the cooling elements. Also, this water carry

KLHEP	Proposed amount (In Lakhs)			Need of Justification
	FY 2022- 23	FY 2023- 24	FY 2024- 25	
				sludge and choke the cooling tubes in several cases and forced to stop the unit. Therefore, installation of cooling water will reduce the downtime of force unit shutdown and in turn will increase the generation.
Replacement of existing FCB with Trip Coil monitoring provision for 50MW Unit-1		200.0 0		The existing FCB has become obsolete, and the spares are not available with the OEM. It is also observed that this type of FCB consumed more power energy. Therefore, the OEM has suggested to replace with a latest technology/retrofitted breaker from indigenous source or from OEM. Also, trip circuit monitoring provision is not available with the FCB due to which it is difficult to monitor the healthiness of the trip circuit at any time. The replacement of the existing FCB will minimize the down time maintenance period in future and minimize the loss of Generation. Order for one such FCB has already been placed to Fuji, Japan vide P.O. No. APGCL/CGM(G)/R&M/KLHEP/FCB/2 013-14/244/32 dated 04/04/2015 for Unit-2. So another such FCB shall be required for Unit-1
Design, Supply and installation & Commissioning Bay Extension in the existing 220KV KLHEP Switchyard for ideal Charging of 16 MVA Bharat Bijlee make 220/33KV transformer.			100.0 0	With the capacity upgradation of MSHEP power evacuation and KLHEP, Station auxillary supply to 25MVA, 220/33 KV TBEA made transformer. The earlier 16 MVA 220/33KV Bharat Bijlee made transformer is kept ideal in KLHEP outdoor, which is not recommended for long time. A bay extension in 220KV switchyard to charge the 16MVA transformer from HV side and connect LV side to Existing / proposed 33KV LT network and keep it as a standby for the 25 MVA transformer which will reduce the forced outage of MSHEP power evacuation for any kind of 25 MVA



KLHEP	Proposed amount (In Lakhs)			Need of Justification
	FY 2022- 23	FY 2023- 24	FY 2024- 25	
				transformer failure. Moreover, with modified arrangement along with the proposed 33KV LT network will help APGCL to differentiate the use of both transformers dedicatedly, 25 MVA for MSHEP Generator and 100MW KLHEP station auxillary supply and 16 MVA transformer to the Project Area power supply (Dam, GM Office, Colony etc.) for proper Energy accounting & auditing as per Bureau of Energy Efficiency or any other government regulator
Roof Top Solar Power For KLHEP			95.00	The roof top of KLHEP Power House have a sufficient of space which can be converted to a roof top solar power plant up to 100 KW. This will help to meet full lighting load demand of Power House which is 50 KW (approx...) and also to power up battery bank system.
Upgradation of Transformer capacity and substation at KLHEP Lengery			75.00	The 500 KVA transformer installed at Lengery is used for electrification of KLHEP GM's office and colony. The present transformer was tapped at 33/11 KV substation near Power House which is about 15 KM distance away from the staff stationed at Lengery. The 11 KV line passes through inaccessible terrain and conjusted human habitat. Further, many DTRs and Lines are connected to APDCL customer which causes more cumbersome to maintain the lines and fault clearing during line fault. Frequent tripping was seen due to APDCL customer DTRs and lines. As such, a new 33/0.43 KV substation may be constructed at KLHEP, Lengery. The construction of new substation will minimize the outages, man power and financial involvement as well.
<b>Civil Work for KLHEP</b>				





KLHEP	Proposed amount (In Lakhs)			Need of Justification
	FY 2022- 23	FY 2023- 24	FY 2024- 25	
TOE wall for all benches at excavated area, drains for all benches, riverbank, protection at upstream left bank, site clearance at Dam gallery etc	200			
Roof leakage treatment, Boundary wall and fencing, painting of penstock pipes, checking of penstock welding joints etc	40			
Railing for protection around security rest room, toilets or urinals etc	15			
Repairing of filing pot holes for bitumeneous road from Amtreng to Hatidubi Dam, road from zero point to powerhouse etc	30			
Chain link fencing around the premises, repairing of old civil store at Amtreng etc	20			
Colony road, quarter repairing, construction of new multi story residential building etc	170			
Renovation of tunnel for spalling areas at various locations of tunnel during impounding or machine over hauling	20			
Security barrack, staircase or permanent foot bridge, hydraulic oil for powerpack, painting of radial gates, drain at quarry no. 1&2 etc		150		
Painting of powerhouse, maintenance of anchor blocks and saddles etc		35		
Repairing of security rest room, chain link fencing, around the premise etc		25		
Side drain along with Bitumeneous roads from zero point to Hatidubi Dam, cattle bridge, retaining walls etc		300		
Boundary wall around the premises, repairing of old electromechanical store etc		50		
New water supply system, water treatment plant etc		50		
Renovation of tunnel for spalling areas at various locations of tunnel during impounding or machine overhauling		20	20	
Construction of new bitumeneous road at 3-new stretches, bamboo palisading for slope protection, plantation along the newly excavated areas etc			200	
Repairing and construction of new drain where required along the penstock pipelines etc			60	
Water supply system for valve house, beautification valve house etc			30	



KLHEP	Proposed amount (In Lakhs)			Need of Justification
	FY 2022- 23	FY 2023- 24	FY 2024- 25	
Cattle bridges, box culverts, retaining walls for hill slope protection at required locations etc			40	
Construction of new watch tower at electromechanical store etc			10	
Beautification of office campus, colony front and back entrance gate, office buildings, Guest house etc			20	
<b>Total (In Lakhs)</b>	<b>2065</b>	<b>1795</b>	<b>1310</b>	

## 23. R&M Plan of Lakwa Replacement Power Project

### 23.1. Capital investment

23.1.1. The following R&M Plan is proposed for Lakwa Replacement Power Project for the Period FY 2022-23 to FY 2024-25.

Table 109: R&M plan proposed for LRPP for FY 2022-23 to FY 2024-25

In Lakhs

Description of Works	Proposed amount (In Lakhs)			Needs & Justification
	FY 2022- 23	FY 2023- 24	FY 2024- 25	
<b>For Electromechanical work</b>				
LED illumination for LRPP power house	20			The LRPP power house illumination lights comprises of Metal Halides, Sodium Vapor, and Fluorescent tube light is installed and the total connected load is 34.35 KW. It is hereby proposed that all the illumination will be replaced with LED lights to increase the efficiency and reduce the energy consumption for the LRPP plant. The total connected load on replacement with LED lights is projected to be around 15.58 KW which means the energy saving will be more than 50% in comparison to the existing illumination system.
Procurement of 11 KV and 3.3 KV VCB Breaker		50		The Gas Engine Generator produces power at 11 KV ( 1250 Amps ) and the power is fed in a common 11 KV bus. The Power is then evacuated by 2 nos of 11 KV ( 3150 Amps ) VCB Breaker through 132 KV transformers. It is proposed to procure 2 nos of 11 KV (1250 Amps ) VCB and 2 nos of 11 KV VCB Breaker (3150 Amps) as to maintain the reliability of the power generation and evacuation through the 11 KV Bus. The spare generator VCB will ensure uninterrupted generation from the Gas Engines due to any fault in the breaker. The spare 11 KV ( 3150 Amps ) Breaker will ensure power evacuation from 4 nos of Gas Engines without any fail.



Description of Works	Proposed amount (In Lakhs)			Needs & Justification
	FY 2022-23	FY 2023-24	FY 2024-25	
<b>Civil Work for LRPP</b>				
Deep tube well water supply system for to support the river water supply system at LTPS, Maibella.(including boring, supplying and fitting of pump set up with all pipeline and fittings)	35			The existing river water supply system of LTPS supplies water to the power house as well as to a part of the residential colony. The river water is day by day decreasing (due to climatic changes). Whereas, with the expansion of the residential colony the water demand has also risen. Therefore an additional water supply system will be beneficial to support the existing system.
Water supply pipeline and reservoir for the newly constructed multistoried building at LTPS.	20	20	20	The construction work of multi storied building is in progress and is scheduled to be completed by September 2022. 12 families will reside in the building and for water supply new pipeline have to be laid and underground reservoir has to be constructed.
Development and repairing of roads inside LTPS residential colony.	10	10	10	The roads within the campus have been constructed long back and most of them have deteriorated with large potholes and bitumen surface completely damaged. The same needs to be repaired and the necessary development is to be done for the inhabitants of the residential colony.
<b>Total (In Lakhs)</b>	<b>85</b>	<b>80</b>	<b>30</b>	

## 24. Special R&M Plan of Namrup Thermal Power Project

### 24.1. Capital investment

24.1.1. The following Special R&M Plan is proposed for Namrup Thermal Power Project for the Period FY 2022-23 to FY 2024-25.

Table 110: *Special R&M plan proposed for NTPS for FY 2022-23 to FY 2024-25*

*In Lakhs*

Description of Works	Proposed amount (In Lakhs)			Needs & Justification
	FY 2022-23	FY 2023-24	FY 2024-25	
Procurement of Overseas spares for major overhauling of 2 nos. W301 Gas Turbine unit proposed to be carried out in 2023-24 used in GT #2 & #3	335			for carrying out overhauling of the unit, the mandatory spares of the overseas original are to be procured first, for enabling timely execution of the task. As per OEM guidelines overhauling of the GT should be done after every 28000 hours of running. But the GT#2 & #3 already crossed 49224.686 hrs. & 74753.71 hrs respectively till end of July'2021
Procurement of spares for major overhauling of WHT#6 proposed to be carried out in 2023-24	90			for carrying out overhauling of the unit, the mandatory spares of the overseas original are to be procured first, for enabling timely execution of the task. As per OEM guidelines overhauling of the GT should be done after every 50000 hours of running. But #6 already crossed 139640 hrs respectively till end of July'2021
Overhauling of Gas Turbine Unit #3 (Execution Part) excluding procurement of Overseas spares.		80		Overhauling of Gas Turbine units at OEM specified time interval is very important for ensuring reliability of Operation and long life of machine . But, it is already crossed the specified time.
Overhauling of Gas Turbine Unit 6 (Execution Part) excluding procurement of spares.		80		for carrying out overhauling of the unit, the mandatory spares of the overseas original are to be procured first, for enabling timely execution of the task. As per OEM guidelines overhauling of the GT should be done after every 50000 hours of running. But #6 already crossed 139640 hrs respectively till end of July'2021
Overhauling of Gas Turbine Unit #2 ( Execution Part) excluding procurement of Overseas spares.			80	Overhauling of Gas Turbine units at OEM specified time interval is very important for ensuring reliability of Operation and long life of machine . But, it is already crossed the specified time 49224.686 hrs till the end of July 2021.
<b>Total ( In Lakhs)</b>	<b>425</b>	<b>160</b>	<b>80</b>	

## 25. Special R&M Plan of Lakwa Thermal Power Project

### 25.1. Capital investment

25.1.1. The following Special R&M Plan is proposed for Lakwa Thermal Power Project for the Period FY 2022-23 to FY 2024-25.

Table 111: *Special R&M plan proposed for LTPS for FY 2022-23 to FY 2024-25*

*In Lakhs*

Description of Works	Proposed amount (In Lakhs)			Needs & Justification
	FY 2022-23	FY 2023-24	FY 2024-25	
Overhauling of LTPS Unit -7 in FY 2020-21	1500			Work order to be issued recently in FY 2021-22 but implementation will be done in FY 2022-23
Major Inspection works of Gas Turbine unit # 5		145		Last Major Inspection of the GT#5 was done on 24/02/2014 and will be due for next MI in 2023-2024.As during this period most of its internal spares will reach 48000 RH so replacement by Major Inspection work will be required as per OEM manual. This will also enable the scope of running the unit for next another 48000hrs.
Overhauling of Generator and Exciter of GT unit # 5		100		Major Inspection of GT unit #5 is due in next 2023-2024, since the last Major inspection was done on 24/02/2014.In addition to the above, overhauling of Generator and Exciter of GT unit # 5are required to augment the control and protection of the overall system and thereby increasing the reliability of the system which will enable the scope of running the unit for another 48000 hrs.
Procurement of spares for Major inspection of Gas Turbine unit # 5.		2360		Last Major Inspection of the GT#5 was done on 24/02/2014 and will be due for next MI in 2023-2024.As during this period most of its internal spares will reach 48000 RH so replacement by Major Inspection work will be required as per OEM manual. This will also enable the scope of running the unit for next another 48000hrs.
Procurement of spares for Major inspection of Gas Turbine unit # 6			2600	Last Hot Gas Path Inspection of 20MW Frame-V BHEL Gas Turbine unit #6 was done on December 2020 at 162522RHs and will be due for next MI in 2024-2025.As during this period most of its internal spares will reach 48000 RH so replacement by Major Inspection work will be required as per OEM manual. This will also enable the scope of running the unit for next another 48000hrs.



Description of Works	Proposed amount (In Lakhs)			Needs & Justification
	FY 2022-23	FY 2023-24	FY 2024-25	
Major Inspection works of Gas Turbine unit # 6			180	Last Hot Gas Path Inspection of 20MW Frame-V BHEL Gas Turbine unit #6 was done on December 2020 at 162522RHs and will be due for next MI in 2024-2025.As during this period most of its internal spares will reach 48000 RH so replacement by Major Inspection work will be required as per OEM manual. This will also enable the scope of running the unit for next another 48000hrs.
Overhauling of Generator and Exciter of GT unit # 6			100	Major Inspection of GT unit #6 is due in next 2024-2025, since the last Major inspection was done on December 2020. In addition to the above, overhauling of Generator and Exciter of GT unit # 6 are required to augment the control and protection of the overall system and thereby increasing the reliability of the system which will enable the scope of running the unit for another 48000 hrs.
<b>Total ( In Lakhs)</b>	<b>1500</b>	<b>2605</b>	<b>2880</b>	

## 26. Special R&M Plan of Karbi Langpi Hydro Electric Project

### 26.1. Capital investment

26.1.1. The following Special R&M Plan is proposed for Karbi Langpi Hydro Electric Project for the Period FY 2022-23 to FY 2024-25.

Table 112: *Special R&M plan proposed for KLHEP for FY 2022-23 to FY 2024-25*

*In Lakhs*

Proposal Mode	Implementation	FY 2022-23	FY 2023-24	FY 2024-25	Need & Justification
Capital	Overhauling of 50MW Francis type Fuji make Generator Turbine Unit-II - KLHEP	1200			Overhauling of Unit # 2 has been rescheduled in FY 2022-23 due to delay in overhauling of unit 1.
<b>Total ( In Lakhs)</b>		<b>1200</b>	<b>0</b>	<b>0</b>	

## 27. Special R&M Plan of Lakwa Replacement Power Project

### 27.1. Capital investment

27.1.1. The following Special R&M Plan is proposed for Lakwa Replacement Power Project for the Period FY 2022-23 to FY 2024-25.

Table 113: *Special R&M plan proposed for LRPP for FY 2022-23 to FY 2024-25*

*In Lakhs*



Description of Works	Proposed amount (In Lakhs)			Need of Justification
	FY 2022-23	FY 2023-24	FY 2024-25	
16,000 and 32,000 Running Hours Maintenance	2814			<p>The Overhaul of Wartsila 20V34SG engines are scheduled at every 16000 running Hrs and subsequent multiples thereof. The major activities done during the 16 K Overhaul are – Cylinder head, Piston, Liner overhaul, and connecting rod bearings replacement. The periodic maintenance as per Original Equipment Manufacturer (OEM) recommendation helps:</p> <ol style="list-style-type: none"> <li>1. To maintain the fuel and lube oil consumption at an optimum level.</li> <li>2. Maintain Plant Availability and Plant Load factor,</li> <li>3. To avoid any major breakdown due to wear and tear of components, avoid engine malfunction, and increase the engine's lifespan.</li> </ol> <p>The actual operating conditions and the quality of the fuel used have a large impact on the recommended maintenance intervals. If there is any sign indicating the need for a maintenance operation in advance of the scheduled time, prudent industry practice dictates that the maintenance operation must be performed. Likewise, if an inspection or observation reveals wear of any part or use beyond the prescribed tolerances, the part needs to replace immediately. Timely replacement of consumable spare parts also helps to maintain the Lubricating oil consumption at an optimum level and the emissions from the engine in controls. The Gas Engine Lube Oil is also completely replaced during 16,000 Running Hours maintenance.</p>
16,000 and 48,000 Running Hours Maintenance			3375	
36,000 Running Hours Turbocharger Maintenance	458			

Description of Works	Proposed amount (In Lakhs)			Need of Justification
	FY 2022-23	FY 2023-24	FY 2024-25	
48,000 Running Hours Turbocharger Maintenance		777		<p>fine tolerances and clearances in the turbocharger to get the optimal efficiency of the engines.</p> <p>Following maintenance schedules need to be adhered to as per the OEM manual:</p> <ol style="list-style-type: none"> <li>1. Periodic inspection, cleaning &amp; bearing change to be done at every 8000 to 12000 Hrs intervals. Since the turbochargers are running at high speed and high temperature, the periodic inspection, mechanical cleaning, and bearing change should be done as recommended by the OEM to avoid costly breakdowns and/or loss of efficiency.</li> <li>2. Apart from periodic inspection, some components are to be replaced at specific intervals as mentioned in the maintenance manual. OEM recommends replacing these components to get designed efficiency and to avoid related major failures. Refer to below details for the major components which are to be replaced up to 48000 operating hours – <ol style="list-style-type: none"> <li>a. Every 24K maintenance – Nozzle rings, thrust collars, shroud rings, and turbine inlet casings to be replaced. Further balancing of the rotor assembly to be carried out in an OEM authorized workshop.</li> <li>b. Every 36K maintenance – Turbine outlet casings to be replaced</li> <li>c. Every 48 K maintenance – Rotor assembly to be replaced with new.</li> </ol> </li> </ol>
Procurement of Special measuring instruments for Electrical Maintenance Works		160		<p>The LRPP plant was commissioned in 2018 and is a Gas Engine based project supplied by Wartsila Finland Oy. There is a requirement of Special Measuring Instruments for Electrical maintenance works as no instrument was procured during its commissioning period. It is hereby proposed to procure essential measuring instruments such as Contact Resistance Meter, Relay Testing Kit, Portable DGA (for Transformer Oil Analysis), BDV machine for electrical maintenance works. The equipment will help in regular preventive maintenance and prevent breakdown of high value equipment such as Generator, Transformer, Circuit Breaker etc.</p>
<b>Total( In Lakhs)</b>	<b>3272</b>	<b>937</b>	<b>3375</b>	



## 28. ERP implementation and Consultancy

### 28.1. Capital investment

28.1.1. As part of the ERP implementation with the funding of ADB, ERP Consultancy Services project is also going on.

28.1.2. Current Status of ERP implementation and Consultancy is shown in below table.

Package	Status
Lot 1: Supply, Configuration, Integration, Installation, Implementation & Support of ERP Application Software for APGCL	<ul style="list-style-type: none"> <li>The work has been allotted to M/S Accenture Solution Pvt. Ltd.</li> <li>Contract Signed on 31<sup>st</sup> July 2019</li> <li>Actual work started from October'19</li> </ul>
Lot 2: Managing and Hosting APGCL SAP ERP on Cloud	<ul style="list-style-type: none"> <li>Recommendation given by ADB to award the contract to M/S CtrlS Datacentres Ltd. India at evaluated price of Rs. 2,99,88,205.96 (Without Tax).</li> <li>To be placed for in the next APGCL Board meeting for appraisal to Board Director's</li> </ul>
Lot 3: Supply, Installation, Commissioning and Warranty for Desktop computers/periphery/accessories/ Local area networking equipment along with related systems software and cabling.	<ul style="list-style-type: none"> <li>Approval on the bid document of ERP Lot-3 was received from ADB on 11<sup>th</sup> November 2021.</li> <li>Bid document to be uploaded in e-tender portal on 17<sup>th</sup> November 2021.</li> <li>Bid Opening Date is 29<sup>th</sup> December 2021.</li> </ul>
Lot 4: Installation and establishing Network connectivity between Data Centre and APGCL Location	<ul style="list-style-type: none"> <li>Bid document uploaded in the e-tender portal on 4<sup>th</sup> October 2021.</li> <li>Bid Opening date is 30<sup>th</sup> November 2021</li> </ul>

28.1.3. The total financial impact is shown in the table below:

Table 114: *Financial impact of ERP implementation and Consultancy*

Particulars	FY2022-23			FY2023-24			FY2024-25		
	Loan	Equity	Grant	Loan	Equity	Grant	Loan	Equity	Grant
ERP Implantation			19.16			4.43			4.48
ERP Consultancy			0.82						
<b>Total</b>			<b>19.98</b>			<b>4.43</b>			<b>4.48</b>

The financial impact of ERP implementation and consultancy services is shown in the table below.

Table 135: *Financial impact of ERP implementation and Consultancy plant wise*

Rs. Cr



Allocation of ERP and Consultancy	FY2022-23			FY2023-24			FY2024-25		
	Loan	Equity	Grant	Loan	Equity	Grant	Loan	Equity	Grant
<b>NTPS</b>			2.80			0.62			0.63
<b>LTPS</b>			6.26			1.39			1.40
<b>KLHEP</b>			6.44			1.43			1.44
<b>LRPP</b>			4.49			1.00			1.01

28.1.4. The financial impact of ERP implementation and Consultancy services are capitalized station wise in the MYT period as shown above.

## 29. SUMMARY OF THE CAPITAL EXPENDITURE PLAN

### 29.1. Proposed Capex

29.1.1. As per the proposals given in the above sections for Upcoming projects and existing projects, total proposed year wise capital expenditure during the period from 2022-23 to 2024-25 of APGCL is as given below:

Table 115: Summary of capital expenditure plan for FY 2022-23 to FY 2024-25

Capex	FY 2022-23			FY 2023-24			FY 2024-25		
	Equity	Loan	Grant	Equity	Loan	Grant	Equity	Loan	Grant
Existing Project									
NTPS		5.97			3.17			1.93	
LTPS		33.02			42.54			38.48	
KLHEP		32.65			17.95			13.10	
LRPP		33.57			10.17			34.05	
Upcoming projects									
MSHEP	28.29	10	83.96						
New projects									
Low Kopili Hydro Electric Project	400	56.36	3.5	470	90	7	197.17	35	3.5
Borpani Middle-II SHEP	13.47	35.23	0	13.87	74.12	0	19.17	76.17	0
Borpani Middle-I SHEP	13.07	39.43	0	18.31	82.4	0	20.92	87.38	0
Namrup SPP	16.96	67.82	0	1.88	7.54	0			
Majuli SPP	3.98	15.93	0	15.93	63.71	0			
Sonbeel Floating Solar Power Project									
Other projects									
ERP implementation and consultancy services			19.98			4.43			4.48
<b>Total</b>	<b>475.77</b>	<b>329.98</b>	<b>107.44</b>	<b>519.99</b>	<b>391.60</b>	<b>11.43</b>	<b>237.26</b>	<b>286.11</b>	<b>7.98</b>

## 29.2. Techno - Commercial Justification for Capex of existing stations

29.2.1. It is very much essential to have a techno-economic justification prior to take up huge investment for implementation of R&M programme which may necessitate external borrowing from financial institution. So, it needs to be carefully examined as to whether the plant would run viably after necessary investment.

29.2.2. It is imperative to carry out necessary R&M works of plants to ensure maximum reliability and availability of the generating units to sustain generation. This itself justifies the investment for the R&M work through available State Plan fund as well as loan assistance from a financial institution at soft lending rates.

29.2.3. Now on timely completion of the R&M works of NTPS, LTPS, KLHEP and LRPP as proposed, besides ensuring reliability & availability of units, the performance of the plant is expected to improve in terms of availability. From the table below it can also be clearly seen that there will a gain in gross generation per MW of operating capacity in FY 2022-23 to FY 2024-25 due to R&M.

APGCL existing units	Unit	FY 2020-21 Actual	FY 2021-22 Estimation	FY 2022-23 Projection	FY 2023-24 Projection	FY 2024-25 Projection
Installed capacity	MW	345	317	310	310	310
Generation	MU	1358	1453	1530	1530	1530
Generation per MW	MU/MW	<b>3.94</b>	<b>4.59</b>	<b>4.93</b>	<b>4.93</b>	<b>4.93</b>

29.2.4. Had the generation in FY 2022-23 to FY 2024-25 happened at the same Generation per MW ratio of 3.94 as of FY 2020-21(actual), there would have been a generation on only 1222 MU with 310 MW of capacity. However due to the above proposed capex, the generation is expected to increase to 1530 MU with 310 MW of capacity, which is an increase of 308 MU in generation annually.

## 29.3. Financial statement

Year	Capital Cost			Out Flow				IN Flow				
	Yearly Investment	Total Investment	Annual Interest Rate (@10% on 2b)	O&M @ 2.5% on column (2b)	Depreciation @ 5.285 on column (2b)	Additional Fuel Cost	Total	Additional Gross Generation	Net Energy Sent Out	Revenue	Return on Equity @ 15.5%	Net Cash Flow
	Rs. Cr	Rs. Cr	Rs. Cr	Rs. Cr	Rs. Cr	Rs. Cr	Rs. Cr	MU	MU	Rs. Cr	Rs. Cr	Rs. Cr
1	2a	2b	3	4	5	6	7 = 3 + 4 + 5 + 6	8	9	10	11	12 = 10 + 11 - 7
FY 2022-23	105	105	5.26	1.32	2.78	35	45	153	148.2	54.2	8.2	17.8
FY 2023-24	74	179	14.21	3.55	7.50	70	96	307	296.3	104	22	30
FY 2024-25	88	267	22.28	5.57	11.76	70	110	307	296.3	111	35	35
FY 2025-26	0	0	26.66	6.67	14.08	70	118	307	296.3	110.8	41.3	34.3

Table 116: Commercial Justification for Capex of existing stations



**Assumptions:**

Landed Gas price (Rs./1000 CuM)	<b>7,529</b>
Gross SHR Kcal/Kwh approved by AERC (Wt. average of NTPS, LTPS )	<b>2,841</b>
GCV Kcal/CuM approved by AERC (Wt. average of NTPS, LTPS )	<b>9,315</b>
Auxiliary consumption (Wt. average of NTPS, LTPS & KLHEP in FY 2019-20)	<b>3.42%</b>
Generation Tariff for NTPS, LTPS, KLHEP, and LRPP combined for FY 2022-23 (Rs./kWh)	<b>3.66</b>
Generation Tariff for NTPS, LTPS, KLHEP, and LRPP combined for FY 2023-24 (Rs./kWh)	<b>3.52</b>
Generation Tariff for NTPS, LTPS, KLHEP, and LRPP combined for FY 2024-25 (Rs./kWh)	<b>3.74</b>
O&M Expenses	<b>2.50%</b>
Rate of Interest (Govt. Loan)	<b>10.00%</b>
Depreciation as per AERC Regulation	<b>5.28%</b>

**29.4. Conclusion:**

29.4.1. It may be observed that there would be a healthy return in terms of MU generation/revenue return as per the financial statement shown as above. Thus, the schemes are found to be economically viable & techno commercially justified.

**30. Capacity building****30.1. Introduction**

30.1.1. APGCL is endeavouring to develop its human resources to meet the growing challenges of continuous technological development and future need of the power sector as well as of the society. APGCL is aiming at betterment of job performance of individuals as well as group. In order to develop the skills, knowledge and job performance of different personnel working in different departments of APGCL. A tentative Training Calendar considering all disciplines / branch has been prepared for FY 2022-23 to FY 2024-25 comprising different relevant subjects related to power generation, maintenance, and corporate office activities. It is planned that 34 nos. of training programmes for 206 nos. employees (Officer and Staff) with a financial involvement of Rs. 1 Cr will be undertaken in FY 2022-23 to FY 2024-25. The details are as shown below.

**30.2. Training plan**

30.2.1. The training plan for capacity building is shown below for FY 2022-23 to FY 2024-25.

Table 117: *training plan for capacity building for FY 2022-23*



Proposed time & duration	Name of the Training Topic/ Subject related to Power Generation	Related Branch/Discipline	Training Institute/To be conducted by	Proposed no. of participants	Estimated financial involvement for the training (excluding TA/DA)	Total Financial Involvement including TA/DA
March 2022, 4 days	Vibration Analysis, Condition Monitoring & Alignment of Rotating Equipment	Electrical/Mechanical/Instrumentation	ESCI Hyderabad	15	300000/-	560000
April 2022, 4 days	Information Security Management System (ISMS-ISO 27001) Implementation	IT	NIELIT	2	50000	120000
May 2022, 3 days	Water Chemistry-Corrosion & deposition control in steam & water circulating system of boiler	Chemist	NPTI Guwahati	5	80000/-	120000
June 2022, 2 days	Disaster Management	All	NPTI Guwahati	15	150000/-	225000
July 2022, 5 days	Operation & Maintenance of Gas Engine	Electrical/Mechanical/Instrumentation	NPTI	5	240000/-	350000
August 2022, 3 days	Project Management	All Engineering Cadre	XLRI Jamshedpur	7	490000	750000
September 2022, 5 days	Operation & Maintenance of Distribution Transformers	Electrical/Mechanical/Instrumentation	ESCI Hyderabad	10	250000/-	500000
October 2022, 3 days	Energy Management	Electrical/Mechanical/Instrumentation	NPTI Bangalore	5	200000/-	350000
November 2022, 3 days	Rock Mechanics & Tunnel Construction	Hydro & Civil	NIRM	5	200000	320000
December 2022, 4 days	Dam construction, safety, design, dam protection, initial survey brief about all clearance required (forest, environment etc.)	Hydro & Civil	ESCI Hyderabad	5	250000/-	400000
January 2023, 2 days	HR Analytics & Talent Management	HR	ESCI Hyderabad	2	50000	100000
February 2023, 3 days	Accounts Management	Accounts	SIERD	5	100000	195000
<b>Tentative Financial Involvement (in Rs.)</b>						<b>3990000</b>
<b>Approximate Financial Involvement (in Rs.)</b>						<b>4000000</b>

Table 118: *training plan for capacity building for FY 2023-24*

Proposed time & duration	Name of the Training Topic/ Subject related to Power Generation	Related Branch/Discipline	Training Institute/To be conducted by	Proposed no. of participants	Estimated financial involvement for the training (excluding TA/DA)	Total Financial Involvement including TA/DA
April 2023, 3 days	Training on design software -STAADPRO & AUTOCAD	Civil	ESCI Hyderabad	5	100000	220000
May 2023, 4 days	Operation & Maintenance of Heat Recovery Steam Generator	Mechanical	BHEL TRICHY	4	320000	430000



Proposed time & duration	Name of the Training Topic/ Subject related to Power Generation	Related Branch/Discipline	Training Institute/To be conducted by	Proposed no. of participants	Estimated financial involvement for the training (excluding TA/DA)	Total Financial Involvement including TA/DA
June 2023, 3 days	ERP related Training Programme in SAP (HANA)	IT	NIELIT	2	70000	100000
July 2023, 3 days	Disciplinary Procedures	HR	NAHRD	2	60000	100000
September 2023, 4 days	Substation Automation	Electrical/Instrumentation	NPTI Bangalore	4	120000	200000
October 2023, 3 days	Transformer/CT/PT	Electrical/Instrumentation	BHEL Jhansi	4	160000	260000
November 2023, 3 days	Leadership Excellence	All	XLRI Jamshedpur	5	400000/-	550000
December 2023, 14 days	Simulator Training for CCGT	Electrical/Mechanical/Instrumentation	NPTI Faridabad	5	450000	600000
January 2024, 3 days	PV Technologies & Business Management	Electrical/Mechanical/Instrumentation	NPTI Bangalore	3	90000	150000
February 2024, 3 days	Transition from GAPP to IND AS and its use in accounting	Accounts	ESCI Hyderabad	5	90000	150000
March 2024, 3 days	Quality control in construction of Roads & Buildings	Civil	ESCI Hyderabad	5	100000	200000
<b>Tentative Financial Involvement (in Rs.)</b>						<b>2960000</b>
<b>Approximate Financial Involvement (in Rs.)</b>						<b>3000000</b>

Table 119: training plan for capacity building for FY 204-25

Proposed time & duration	Name of the Training Topic/ Subject related to Power Generation	Related Branch/Discipline	Training Institute/To be conducted by	Proposed no. of participants	Estimated financial involvement for the training (excluding TA/DA)	Total Financial Involvement including TA/DA
April 2024, 4 days	SAP Administration	IT	NIELIT	2	50000	120000
May 2024, 2 days	Disaster Management	All	NPTI Guwahati	15	270000	320000
June 2024, 2 days	Micro SCADA Control System SYS 600	Electrical/Instrumentation	NPTI Bangalore	10	300000	500000
July 2024, 2 days	Performance Management	HR	NAHRD	2	60000	100000
August 2024, 2 days	PLC SCADA	Electrical/Instrumentation	NPTI Bangalore	10	350000	550000
September 2024, 2 days	Feasibility, Design and Project Report Preparation of Solar PV System	Electrical/Mechanical/Instrumentation	ESCI Hyderabad	3	100000	175000
October 2024, 2 days	Floating Solar PV System	Electrical/Mechanical/Instrumentation	NPTI Bangalore	3	120000	210000



Proposed time & duration	Name of the Training Topic/ Subject related to Power Generation	Related Branch/Discipline	Training Institute/To be conducted by	Proposed no. of participants	Estimated financial involvement for the training (excluding TA/DA)	Total Financial Involvement including TA/DA
November 2024, 2 days	Audit Training	Accounts	SIERD	5	100000	175000
January 2025, 2 days	Quality Control and Modern Technology for Civil Construction	Civil	ESCI Hyderabad	5	175000	300000
February 2025, 2 days	Leadership & Team Building Skills for Organization Development	All	ESCI Hyderabad	6	240000	400000
March 2025, 2 days	Technical Training for Technical Staff	Staff	IEEMA	15	100000	130000
<b>Tentative Financial Involvement (in Rs.)</b>						<b>2980000</b>
<b>Approximate Financial Involvement (in Rs.)</b>						<b>3000000</b>

Note: Actual training programme /training cost may change subject to course availability and actual expenditure

### 30.3. Financial impact

30.3.1. The financial impact of the capacity building plan is shown below.

Table 120: *Financial impact of Capacity building*

Plant Capacity	<i>Rs. Cr</i>		
	FY 2022-23	FY 2023-24	FY 2024-25
NTPS	0.06	0.04	0.04
LTPS	0.13	0.09	0.09
KLHEP	0.13	0.10	0.10
LRPP	0.09	0.07	0.07
<b>Total</b>	<b>0.40</b>	<b>0.30</b>	<b>0.30</b>

30.3.2. The financial impact of the capacity building is shown as Other expenses in the MYT petition. We pray to the Hon'ble Commissioning to approve the Capacity building plan as shown above over and above the normal O&M expenses in the MYT petition.



## **31. Generation Plan**

### **31.1. Capacity – Existing and New Capacity Addition**

- 31.1.1. APGCL's Business processes include both technical and financial processes, such as the construction and maintenance of power generation assets, and commercial management processes.
- 31.1.2. Satisfaction of customers, and strong financial performance, is not possible without adequate and quality generation of electricity. Accordingly, APGCL has following objectives for generation forecast:

### **31.2. Maximise utilisation and output of existing generation assets**

- 31.2.1. In order for APGCL to increase its revenue base and deliver a more reliable power supply to distribution companies, it needs to maximise the utilisation of its existing assets. This objective means that existing power stations, namely NTPS and LTPS, will be optimally utilised through effective management and asset refurbishment to achieve the maximum possible generation output.

### **31.3. Maintenance Schedule for the FY 2022-23 to FY 2024-25**

- 31.3.1. The Maintenance schedule of NTP, LTPS and LRPP has been prepared considering the OEM manual guidelines for Major overhauling after the recommended hours of operation of the units of NTPS, LTPS & LRPP and regular operational maintenance. As both NTPS and LTPS units are very old and suffer from the probability of uncertain breakdowns any moment, timely overhauling of these units is very critical for their better availability.
- 31.3.2. The planned maintenance of KLHEP is done during the lean season and as such, generation is not hampered. The Major Overhauling of KLHEP will also be done during the lean period.





### 31.4. Maintenance Schedule of NTPS

31.4.1. The maintenance schedule of NTPS for the FY 2022-23 to FY 2024-25 has been prepared keeping in mind the running hours of its units. The Maintenance Schedule for FY 2022-23 to FY 2024-25 is shown below.

Table 121: Maintenance Schedule for FY 2022-23 for NTPS

Unit	Unit Size (In MW)	Type	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
2	21	MT	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
		MD	1	4	1	3	4	1	1	4	1	1	4	1
3	21	MT	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
		MD	3	1	2	3	3	2	3	1	2	3	1	2
6	22.5	MT		CC		PM			PM		CCTB-CC		ABI	PM
		MD		2		2			7		7		1	2

Table 122: Maintenance Schedule for FY 2023-24 for NTPS

Unit	Unit Size (In MW)	Type	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
2	21	MT	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
		MD	1	4	1	3	4	1	1	4	1	1	4	1
3	21	MT	PM	MO	MO	PM	PM	PM	PM	PM	PM	PM	PM	PM
		MD	3	30	30	3	3	2	3	1	2	3	1	2
6	22.5	MT		CC		PM			PM		CCTB-CC		ABI	PM
		MD		5		2			2		7		1	2

Table 123: Maintenance Schedule for FY 2025-25 for NTPS

Unit	Unit Size (In MW)	Type	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
2	21	MT	PM	PM	MO	MO	PM	PM	PM	PM	PM	PM	PM	PM
		MD	1	4	30	30	4	1	1	4	1	1	4	1
3	21	MT	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
		MD	3	1	2	3	3	2	3	1	2	3	1	2
6	22.5	MT		CC		PM			PM		CCTB-CC		ABI	PM
		MD		5		2			2		7		1	2

MD Maintenance Days  
 MT Maintenance Type  
 Legends  
 MO Major Overhauling  
 PM Planned Maintenance



CC Condenser Cleaning  
 CCTB Cleaning Cooling Tower Basin  
 ABI Annual Boiler Inspection  
 MD Maintenance Days

### 31.5. Maintenance Schedule of LTPS

31.5.1. The maintenance schedule of LTPS for the FY 2022-23 to FY 2024-25 has been prepared keeping in mind the running hours of its units. The Maintenance Schedule for FY 2022-23 to FY 2024-25 is shown below.

Table 124: Maintenance Schedule for FY 2022-23 for LTPS

FY 22-23	Unit	Type	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
	5	MT		AFC						AFC & UG					
		MD		2							5				
	6	MT					AFC						PM		
		MD					2						10		
	7	MT		AFC					MI & OH						AFC
		MD							25						2
WHRP	1	MT		Intermediate Overhauling											
		MD		10th to 30th											
	2	MT				Boiler Inspection									
		MD				12th to 14th									
	3	MT				Boiler Inspection									
		MD				15th to 17th									

Table 125: Maintenance Schedule for FY 2023-24 for LTPS

FY 23-24	Unit	Type	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
	5	MT	MI & MO/OH					AFC						
		MD	25					2						
	6	MT					UG							MO & PM
		MD					5							15
	7	MT								R/I&C				
		MD								Oct-15				
WHRP	1	MT		Surface Condenser Cleaning of WHRP										
		MD		10th to 20th										
	2	MT									Boiler Inspection			



FY 23-24	Unit Type	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
	MD										10th to 12th		
3	MT		Water Reservoirs, CT basin, etc. cleaning										
	MD		10th to 20th										

Table 126: Maintenance Schedule for FY 2024-25 for LTPS

FY 24-25	Unit Type	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
WHRP	5	MT	PM					AFC					
		MD	10					2					
	6	MT				OH & MI						AFC	
		MD				25						2	
	7	MT	AFC								PM & OH/MO		
		MD	2								15		
	1	MT											
		MD											
	2	MT				Boiler Inspection							
		MD				12th to 14 <sup>th</sup>							
3	MT				Boiler Inspection								
	MD				15th to 17 <sup>th</sup>								

- MD Maintenance Days
- MT Maintenance Type
- Legends
- MO/OH Major Overhauling
- PM Planned Maintenance
- MI Major Inspection
- AFC Air Filter Cleaning
- UG Upgradation of Generator Control and Protection Panel
- MD Maintenance Days
- R Replacement of Battery Bank & Charger
- I&C Installation and Commissioning of 132 KV F6 Breakers

### 31.1. Maintenance Schedule of KLHEP

31.1.1. The maintenance schedule of KLHEP for the FY 2022-23 to FY 2024-25 has been prepared keeping in mind the running hours of its units. The Maintenance Schedule for FY 2022-23 to FY 2024-25 is shown below.

Table 127: Maintenance Schedule for FY 2022-23 for KLHEP



FY 22-23	Unit	Type	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
KLHEP	1	MT										PM/MO		
		MD										25		
	2	MT											PM/MO	
		MD											20	

Table 128: Maintenance Schedule for FY 2023-24 for KLHEP

FY 23-24	Unit	Type	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
KLHEP	1	MT											PM/MO	
		MD											20	
	2	MT										PM/MO		
		MD										25		

Table 129: Maintenance Schedule for FY 2024-25 for KLHEP

FY 24-25	Unit	Type	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
KLHEP	1	MT										PM		
		MD										25		
	2	MT											PM	
		MD											20	

- MD Maintenance Days
- MT Maintenance Type
- Legends
- MO Major Overhauling
- PM Planned Maintenance
- MI Major Inspection

### 31.2. Maintenance Schedule of LRPP

31.2.1. The maintenance schedule of LRPP for the FY 2022-23 to FY 2024-25 has been prepared keeping in mind the running hours of its units. The Maintenance Schedule for FY 2022-23 to FY 2024-25 is shown below.

Table 130: Maintenance Schedule for FY 2022-23 for LRPP

Unit	Type	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
1	MT	PM			PM			MO GE&TC			PM		
	MD	4.83			1.13			17.63			1.13		
2	MT	PM				PM				MO GE&TC			PM
	MD	4.83				1.13				17.63			1.13
3	MT	PM			PM			MO GE&TC			PM		
	MD	4.83			1.29			17.63			1.13		
4	MT				MO GE&TC			PM			PM		
	MD				17.63			1.13			1.13		
5	MT		PM				MO GE&TC			PM			PM
	MD		1.13				17.63			1.13			1.13
6	MT			PM			PM		MO GE&TC				



	MD		1.13			1.13		17.63				
7	MT	PM				MO GE&TC					PM	
	MD	1.13				17.63					1.13	

Table 131: Maintenance Schedule for FY 2023-24 for LRPP

Unit	Type	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
1	MT	PM			PM			PM			PM		
	MD	1.13			1.92			2.25			1.92		
2	MT			PM						PM			
	MD			1.92						2.25			
3	MT	PM			PM			PM			PM		MOTC
	MD	1.13			1.92			2.25			1.92		11.25
4	MT	PM				PM			PM			MOTC	
	MD	1.13				2.25			1.92			11.25	
5	MT		PM			PM			PM			MOTC	
	MD		1.92			2.25			1.92			11.25	
6	MT		PM			PM	PM		PM			PM	
	MD		1.92			1.92	1.92		2.25			1.92	
7	MT	PM			PM			PM			PM		MOTC
	MD	1.13			1.92			2.25			1.92		11.25

Table 132: Maintenance Schedule for FY 2024-25 for LRPP

Unit	Type	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
1	MT	MOTC			PM		MOTC			PM			PM
	MD	11.25			1.13		17.63			1.13			1.13
2	MT	MOTC				PM				MO GE			PM
	MD	11.25				1.13				17.63			1.13
3	MT			PM			MO GE			PM			PM
	MD			1.13			17.63			1.13			1.13
4	MT	PM			MO GE			PM			PM		
	MD	1.92			17.63			1.13			1.13		
5	MT		PM			MO GE			PM				PM
	MD		1.13			17.63			1.13				1.13
6	MT	MO TC			PM			MO GE			PM		
	MD	11.25			1.13			17.63			1.13		
7	MT			PM				MO GE			PM		PM
	MD			1.13				17.63			1.13		1.13

*MD* Maintenance Days  
*MT* Maintenance Type  
*Legends*  
*MO GE* Major Overhauling Gas Engine  
*PM* Planned Maintenance  
*MO TC* Major Overhauling Turbo Charger



### 31.3. Parameters considered for Generation Plan

31.3.1. The Generation Plan of APGCL for the FY 2022-23 to FY 2024-25 has been proposed considering the following parameters:

- For Hydro stations as per design energy
- For Thermal stations as given in the table below:

Table 133: Parameters considered for generation plan for thermal stations

Parameter considered	Station	Basis
Heat Rate	NTPS	As per regulation - 3900 kcal/kWh
	NRPP	As per OEM,1988 kcal/kWh for closed cycle
	LTPS	As per regulation - 3200 kcal/kWh
	LRPP	As per CEA regulation - 2150 kcal/kWh
GCV	NTPS & NRPP	As per 6 months actual of FY 2021-22
	LTPS & LRPP	As per 6 months actual of FY 2021-22
Plant Load Factor	NTPS	Combined cycle PLF of 50% is considered as per Regulation.
	NRPP	Overall PLF of 90% has been considered as per Regulation
	LTPS	Combined cycle PLF of 66% is considered as per Regulation.
	LRPP	Overall PLF of 90% has been considered as per Regulation
Maintenance Schedule	NTPS	As per planned maintenance schedule given
	NRPP	As a new station, no major shutdown has been considered
	LTPS	As per planned maintenance schedule given
	LRPP	As per planned maintenance schedule given
Auxiliary Power Consumption	NTPS	As per regulation - 4.50%
	NRPP	As per regulation - 4% for open cycle and 5% for combined cycle operation as per Regulation
	LTPS	As per regulation - 5.50%
	LRPP	3.5% for Gas Engine based generating station with electricity driven gas booster compressor as per Regulation
Gas availability	NTPS before Commissioning of NRPP	0.66 MMSCMD as per Gas Supply Agreement
	NTPS after Commissioning of NRPP	Residual gas after consumption of NRPP Gas Turbine
	NRPP	As per Heat Rate and GCV
	LTPS	- 0.9 MMSCMD for LTPS and LRPP - For LTPS, residual gas after consumption of LRPP Gas Turbine
	LRPP	As per Heat Rate and GCV

### 31.4. Gas Price

31.4.1. As the gas price is determined by the MOPNG, APGCL has projected gas price as per the existing rate of \$2.90/MMBTU on GCV applicable from October 2021. The parameters considered for calculating the landed gas price of gas for the MYT Control period are as follows:

- Basic Non-APM Gas price = \$ 2.90 / MMBTU
- Basic APM Gas price = \$ 1.74 / MMBTU (60% of Non-APM gas price)
- USD exchange rate = ₹ 73.56 (USD exchange rate for the month of Oct'21 in Rs as obtained from RBI website)
- MMBTU to 1000 SCM conversion factor = 39.68

31.4.2. With these parameters, the landed gas price has been calculated as given in the table below:

Table 134: Projection of Gas price for NTPS for FY 2022-23 to FY 2024-25

Namrup Thermal Power Station		2021-22 (from Oct 2021 onwards)	2022-23	2023-24	2024-25	Remarks
<b>A.</b>	<b>Gas supplied by OIL, Duliajan (APM)</b>					
1.00	Basic Price (for G.C.V. 10000)/ 1000 SCM	5079.38	5079.38	5079.38	5079.38	As per new gas price implemented from Oct'21
2.00	Basic Price after adjustment with CV	4675.47	4675.47	4675.47	4675.47	
3.00	Marketing Margin (for NCV 10000) /1000 SCM	200.00	200.00	200.00	200.00	
4.00	Marketing Margin after adjustment with CV	165.88	165.88	165.88	165.88	
	<b>Total</b>	<b>4841.35</b>	<b>4841.35</b>	<b>4841.35</b>	<b>4841.35</b>	
5.00	VAT @ 14.5% on above	702.00	702.00	702.00	702.00	
	<b>Total (A)</b>	<b>5543.34</b>	<b>5543.34</b>	<b>5543.34</b>	<b>5543.34</b>	
<b>B.</b>	<b>T.C. for Transportation of the OIL Gas by AGCL</b>					
1.00	T.C./ 1000 SCM @ Rs. 1.81 / MMBTU	70.14	72.24	74.41	76.64	
2.00	GST @ 12%	8.42	8.67	8.93	9.20	
	<b>Total (B)</b>	<b>78.56</b>	<b>8.67</b>	<b>8.93</b>	<b>9.20</b>	
<b>C.</b>	<b>Landed price of gas supplied to NTPS (A+B)/ 1000 SCM</b>	<b>5621.90</b>	<b>5552.01</b>	<b>5552.27</b>	<b>5552.54</b>	

Table 135: Projection of Gas price for LTPS for FY 2022-23 to FY 2024-25



Lakwa Thermal Power Station		2021-22 (from Oct 2021 onwards)	2022-23	2023-24	2024-25	Remarks
<b>A.</b>	<b>Gas supply by GAIL (APM)</b>					
1.00	Basic Price (for G.C.V. 10000)/ 1000 SCM	5079.38	5079.38	5079.38	5079.38	As per new gas price implemented from Oct'21
2.00	10% Royalty /1000 SCM	Included	Included	Included	Included	
	<b>Total</b>	<b>5079.38</b>	<b>5079.38</b>	<b>5079.38</b>	<b>5079.38</b>	
3.00	Basic Price after adjustment with CV	4860.79	4860.79	4860.79	4860.79	
4.00	Marketing Margin (for NCV 10000) /1000 SCM @ Rs. 5.04 / MMBTU	200.00	200.00	200.00	200.00	
5.00	Marketing Margin after adjustment with CV	172.71	172.71	172.71	172.71	
6.00	<b>Monthly Metering charge(Rs./ 1000 SCM)</b>	<b>24.67</b>	<b>25.41</b>	<b>26.17</b>	<b>26.95</b>	Yearly escalation 3% on TC as per agreement.
7.00	Sales Tax @ 14.5 % on above	733.43	733.54	733.65	733.77	
	<b>Landed price of gas supply to LTPS by GAIL / 1000 SCM(A)</b>	<b>5766.93</b>	<b>5767.04</b>	<b>5767.15</b>	<b>5767.26</b>	
<b>B.</b>	<b>Gas supplied by OIL Duliajan (Non APM)</b>					
1.00	Basic Price (for G.C.V. 10000)/ 1000 SCM	8465.63	8465.63	8465.63	8465.63	As per new gas price implemented from Oct'21 - excluding North east discount as per contract
2.00	Basic Price after adjustment with CV	7792.45	7792.45	7792.45	7792.45	
3.00	Marketing Margin (for NCV 10000) /1000 SCM	200.00	200.00	200.00	200.00	
4.00	Marketing Margin after adjustment with CV	165.88	165.88	165.88	165.88	
	<b>Total</b>	<b>7958.33</b>	<b>7958.33</b>	<b>7958.33</b>	<b>7958.33</b>	
5.00	VAT @ 14.5 % on above	1153.96	1153.96	1153.96	1153.96	
	<b>Landed price of gas supply to LTPS by OIL (B)</b>	<b>9112.28</b>	<b>9112.28</b>	<b>9112.28</b>	<b>9112.28</b>	
<b>C.</b>	<b>T.C for Transportation of OIL gas by AGCL</b>					
1.00	T.C./ 1000 SCM @ Rs. 1.81 / MMBTU	70.14	72.24	74.41	76.64	TC @ 3% escalation





Lakwa Thermal Power Station		2021-22 (from Oct 2021 onwards)	2022-23	2023-24	2024-25	Remarks
2.00	GST @ 12% on TC	8.42	8.67	8.93	9.20	
	<b>Total T.C. (C)</b>	78.56	80.91	83.34	85.84	
D.	<b>Landed price of gas supply to LTPS by OIL (B+C)/ 1000 SCM</b>	9190.84	9193.20	9195.62	9198.13	
	<b>Wtd Avg landed price of LTPS gas</b>	<b>7935.55</b>	<b>7937.08</b>	<b>7938.66</b>	<b>7940.29</b>	

### 31.5. Proposed Power Generation

31.5.1. Considering the new capacity addition of APGCL with the existing capacity, the maintenance schedule proposed and technical parameters along with gas availability considered above, the following Generation Plan is proposed by APGCL for the FY 2022-23 to FY 2024-25.

Table 136: APGCL proposed power generation for the FY 2022-23 to FY 2024-25

NTPS	Unit	FY 2022-23	FY 2023-24	FY 2023-24
Installed Capacity	MW	43.5	43.5	43.5
Plant Load Factor	%	50.00%	50.00%	50.00%
Availability	%	50%	85%	85%
Gross Generation	MU	195.09	195.09	195.09
Auxiliary Consumption	%	4.50%	4.50%	4.50%
Auxiliary Consumption	MU	8.78	8.78	8.78
Net Generation	MU	186.31	186.31	186.31

LTPS	Unit	FY 2022-23	FY 2023-24	FY 2023-24
Installed Capacity	MW	97.2	97.2	97.2
Plant Load Factor	%	66.00%	66.00%	66.00%
Availability	%	50%	50%	50%
Gross Generation	MU	425.74	425.74	425.74
Auxiliary Consumption	%	<b>5.50%</b>	<b>5.50%</b>	<b>5.50%</b>
Auxiliary Consumption	MU	23.42	23.42	23.42
Net Generation	MU	402.32	402.32	402.32

KLHEP	Unit	FY 2022-23	FY 2023-24	FY 2023-24
Installed Capacity	MW	100	100	100
Plant Load Factor	%	44.50%	44.50%	44.50%
Availability	%	85%	85%	85%
Gross Generation	MU	390	390	390
Auxiliary Consumption	%	0.50%	0.50%	0.50%
Auxiliary Consumption	MU	1.95	1.95	1.95
Net Generation	MU	388.05	388.05	388.05

LRPP	Unit	FY 2022-23	FY 2023-24	FY 2023-24
Installed Capacity	MW	69.755	69.755	69.755
Plant Load Factor	%	90.00%	90.00%	90.00%



LRPP	Unit	FY 2022-23	FY 2023-24	FY 2023-24
Availability	%	85%	85%	85%
Gross Generation	MU	519.40	519.40	519.40
Auxiliary Consumption	%	3.50%	3.50%	3.50%
Auxiliary Consumption	MU	18.18	18.18	18.18
Net Generation	MU	501.22	501.22	501.22

31.5.2. APGCL prays to the Hon'ble Commission to approve the Capital Investment plan as discussed above.

APPEAL FOR AGGREGATE REVENUE REQUIREMENT  
FOR FY 2022-23 to FY 2024-25 for NTPS  
&  
DETERMINATION OF TARIFF FOR FY 2022-23  
To  
ASSAM ELECTRICITY REGULATORY COMMISSION



Prepared by  
ASSAM POWER GENERATION CORPORATION LTD  
Bijulee Bhawan, Paltanbazar  
Guwahati – 781 001

## AFFIDAVIT – NTPS

BEFORE THE ASSAM STATE ELECTRICITY REGULATORY  
COMMISSION, GUWAHATI.

Petition No. –

Case No.  
(to be filed by the Office)

IN THE MATTER OF

Filing of Petition for Aggregate Revenue Requirement for the FYs 2022-23, 2023-24 and 2024-25.

AND

Petition for Determination of Tariff for the FY 2022-23

AND

IN THE MATTER OF

Namrup Thermal Power Station,  
Assam Power Generation Corporation Limited,  
Namrup-786622

Petitioner

I, Sri Mokshada Prasad Sarma, Son of Sri Sarada Prasad Sarma, aged 59 years, residing at Flat No. 1/A1, Puberun Apartment, Ghoramara, P.O. Beltola, Guwahati-781028, do solemnly affirm and say as follows:

I am the General Manager (HQ) of Assam Power Generation Corporation Limited, the petitioner in the above matter and am duly authorized by the said Petitioner to make this affidavit for and on behalf of the Assam Power Generation Corporation Limited.

The Statement made in the Petition based on information received from official records and I believe them to reflect truly and no material has been concealed from the statements so made or documents or supporting data etc. attached.

Solemnly affirm at Guwahati on 29<sup>th</sup> November' 2021 that the contents of this affidavit are true to my knowledge, no part of it is false or no material has been concealed therefore and misleading material included therein.

**Deponent**

  
**(Mokshada Prasad Sarma)**  
**General Manager (HQ),**  
**Assam Power Generation Corporation Ltd.**

Place: Guwahati

Date: 29<sup>th</sup> November' 2021

By order of the Commission

Secretary of the Commission



## PRAYER – NTPS

BEFORE THE HON'BLE ASSAM ELECTRICITY REGULATORY COMMISSION

FILINGNO .....

CASENO.....

IN THE MATTER OF:

Petition for Submission of Aggregate Revenue Requirement for the MYT Period from FY 2022-23 to FY 2024-25 and Determination of Tariff for the FY 2022-23

AND IN THE MATTER OF:

Namrup Thermal Power Station (hereinafter referred to as "NTPS") of Assam Power Generation Corporation Limited (hereinafter referred to as "APGCL") incorporated under the provisions of the Companies Act, 1956 and having its registered office in the State of Assam

THE HUMBLE APPLICANT ABOVE NAMED MOST RESPECTFULLY SHEWETH:

- 1 That the APGCL is a successor corporate entity of former ASEB, formed in pursuant to the notification of the Government of Assam, notified under sub-sections (1), (2), (5), (6) and (7) of Section 131 and Section 133 of the Electricity Act 2003(Central Act 36 of 2003), for the purpose of transfer and vesting of functions, properties, interests, rights, obligations and liabilities, along with the transfer of Personnel of the Board to the successor corporate entities.
- 2 That the APGCL is a company incorporated with the main object of generation of electricity in the state of Assam.
- 3 That the APGCL is a generating company under the provisions laid down in Section 14 Proviso 5, read with Section 131 (2) of the Electricity Act 2003.
- 4 That the NTPS, with its first of the six units commissioned in April'1965 and the last of the six units commissioned in March'1985, is an operating gas based thermal Power Station under the APGCL in the district of Dibrugarh, Assam.
- 5 That the Hon'ble Commission notified the AERC (Terms and Conditions for determination of Multi Year Tariff) Regulations, 2021 on 18<sup>th</sup> September, 2021.
- 6 That as per the Hon'ble Commission's this new MYT Regulations of 2021 the licensee is filing for approval of the for Aggregate Revenue Requirement of NTPS for the MYT Period from FY 2022-23 to FY 2024-25 and Determination of Tariff for the FY 2022-23.

Place: Guwahati

Date: 29<sup>th</sup> November' 2021

Deponent



(Mokshada Prasad Sarma)  
General Manager (HQ),  
Assam Power Generation Corporation Ltd.

## 32. Multi Year Tariff Framework for FY 2022-23 to FY 2024-25

### 32.1. Regulatory provisions for Multi-Year Tariff framework

32.1.1. The Hon'ble Commission in its Tariff regulations, 2021 has stated the following on Revised ARR for the control period from FY 2022-23 to FY 2024-25. The same is reproduced below for ready reference:

#### *"4 Multi-Year Tariff Framework*

*4.1 The Commission shall determine the tariff for matters covered under Regulation 3.3 above under a Multi-Year Tariff framework with effect from 1st April 2022.*

*4.2 The Multi-Year Tariff framework shall be based on the following elements, for calculation of*

*Aggregate Revenue Requirement and expected revenue from tariff and charges for Generating Companies, Transmission Licensee, SLDC, Distribution Wheeling Business and Retail Supply Business:*

- (i) Before commencement of Control Period, a forecast of the Aggregate Revenue Requirement and expected revenue from existing tariff and charges shall be submitted by the applicant and approved by the Commission.*
- (ii) A detailed Capital Investment Plan for each year of the Control Period, shall be submitted by the applicant for the Commission's approval.*
- (iii) The applicant shall submit operating norms and trajectories of performance parameters for each year of the Control Period, for the Commission's approval.*
- (iv) The applicant shall submit the forecast of Aggregate Revenue Requirement and expected revenue from existing tariff for each year of the Control Period, and the Commission shall approve the tariff for Generating Companies, SLDC, Transmission Licensee, Distribution Wheeling Business and Retail Supply Business, for each year of the Control Period.*
- (v) In its tariff petition, a generating company shall submit information to support the determination of tariff for each generating station"*

#### *5 Control Period and Baseline*

*5.1 The first Control Period under these Regulations shall be of three financial years from April 1st, 2022 to March 31st, 2025 and for every block of three years thereafter or such other period as may be decided by the Commission.*

*Provided that in case any generating station gets commissioned after notification of these Regulations but before commencement of the first Control Period, the Commission may determine the tariff based on the norms as specified for such generating station under these Regulations, under special case through separate Order.*

*5.2 The Commission shall determine baseline values for various financial and operational parameters of ARR for the Control Period taking into consideration the figures approved by the Commission in the past, actual average figures of last three years, audited accounts, estimate of the figures for the relevant year, Industry benchmarks/norms and other factors considered appropriate by the Commission. Provided that in case of substantial difference between the estimates earlier provided considered for determination of baseline values and the actual audited accounts, the Commission may re-determine the baseline values for the base year suo-moto or on an application filed by the Applicant.*



### 33. Norms of operations

#### 33.1. Regulatory provisions

33.1.1. The Hon’ble Commission had set norms of operations under Tariff Regulations 2021.

33.1.2. The projected performance vis-a-vis norms of operations set is discussed below:

#### 33.2. Snapshot of performance projection for FY 2022-23 to FY 2024-25

33.2.1. The following table shows the projection of performance parameters of gas based Namrup thermal power station for FY 2022-23 to FY 2024-25.

Table 137: Projected Operating Performance for FY 2022-23 to FY 2024-25 of NTPS

NTPS	2020-21	2021-22	2022-23	2023-24	2024-25
	Actual	Estimated	Projected	Projected	Projected
Gross Energy in MU	231.08	145.21	195.09	195.09	195.09
Aux. Power Cons. (%)	5.35%	5.10%	4.50%	4.50%	4.50%
Net Energy in MU	218.73	137.80	186.31	186.31	186.31
Plant Availability Factor (%)	40.28%	47.44%	50.00%	50.00%	50.00%
Plant Load Factor (%)	33.47%	44.63%	50.00%	50.00%	50.00%
Gross Station Heat Rate on GCV (kcal/ kWh)	4319.79	4437.86	3900.00	3900.00	3900.00

33.2.2. APGCL has projected higher generation i.e., 195.09 MU for NTPS based on estimated availability of Gas and improvement in GCV of Gas. However, the generation plan for NTPS may undergo a change based on actual gas received. Since NRPP is a newer and efficient power plant, it will have priority in gas allocation by APGCL. Hence, APGCL submits that Gross generation may be revised based on availability of gas for NTPS.

#### 33.3. Normative Annual Plant Availability Factor (NAPAF)

33.3.1. As per Regulation 48.1 of the Tariff Regulations, 2021 the Normative Plant Availability factor for recovery of full fixed charges, is 50% for FY 2022-23 to FY 2024-25 for NTPS. The actual and projected numbers are shown in the table below.

Table 138: Projected Availability for FY 2022-23 to FY 2024-25 of NTPS

NTPS	2020-21	2021-22	2022-23	2023-24	2024-25
	Actual	Estimated	Projected	Projected	Projected
<b>Plant Availability Factor (%)</b>	40.28%	47.44%	50.00%	50%	50%



### 33.4. Normative Annual Plant Load Factor (NAPLF)

33.4.1. As per Regulation 48.2 of the Tariff Regulations, 2021 the Normative Plant Load factor is 50% for FY 2022-23 to FY 2024-25 for NTPS. The actual and projected numbers are shown in the table below.

Table 139: Projected PLF for FY 2022-23 to FY 2024-25 of NTPS

NTPS	2020-21	2021-22	2022-23	2023-24	2024-25
	Actual	Estimated	Projected	Projected	Projected
Plant Load Factor (%)	33.47%	44.63%	50.00%	50%	50%

### 33.5. Gross Station Heat Rate (SHR)

33.5.1. As per Regulation 48.4, of the Tariff Regulations, 2021 the Normative Station Heat Rate, is 3900 kCal/kWh for FY 2022-23 to FY 2024-25 for NTPS in Partial combined cycle mode of operation.

33.5.2. The actual and projected numbers are shown in the table below.

Table 140: Projected SHR for FY 2022-23 to FY 2024-25 of NTPS

NTPS	2020-21	2021-22	2022-23	2023-24	2024-25
	Actual	Estimated	Projected	Projected	Projected
Gross Station Heat Rate on GCV (kcal/ kWh)	4319.79	4437.86	3900.00	3900	3900

### 33.6. Auxiliary Energy Consumption

32.6.1 As per Regulation 48.3 of the Tariff Regulations, 2021 the Normative Auxiliary energy consumption is 4.50% for FY 2022-23 to FY 2024-25 for NTPS. The same has been considered for projection. The actual and projected numbers are shown in the table below.

Table 141: Projected Auxiliary energy consumption for FY 2022-23 to FY 2024-25 of NTPS

NTPS	2020-21	2021-22	2022-23	2023-24	2024-25
	Actual	Estimated	Projected	Projected	Projected
Aux. Power Cons. (%)	5.35%	5.10%	4.50%	4.50%	4.50%

32.6.2 APGCL prays to the Hon'ble Commission to approve the projection of performance parameters as shown above.



## 34. Fixed Cost of the Plant

### 34.1. Annual fixed cost for FY 2022-23 TO FY 2024-25

34.1.1. As per regulation 43.1 of the AERC Tariff regulations, 2021 the following components have been considered for projecting of fixed cost under the Multi Year Tariff framework for the power plants:

- (a) Return on Equity Capital
- (b) Interest on Loan capital
- (c) Depreciation
- (d) Operation and Maintenance Expenses
- (e) Interest on Working Capital
- (f) Less: Non-Tariff Income

33.1.2 For the computation of the fixed components, the Petitioner has considered the principles provided in the Tariff Regulations, 2021. These components have been discussed in detail in the following sections of the petition.

### 34.2. Return on Equity (ROE)

34.2.1. The Hon'ble Commission in its regulation has considered the pre-tax return on equity at 15.5% on equity capital. The Regulation 34 of the Tariff Regulations, 2021 is reproduced below for reference.

*"33 Return on Equity Capital*

*33.1 Return on equity capital shall be computed on the equity capital determined in accordance with Regulation 32*

.....

34.2.2. APGCL has projected the Return on Equity (RoE) at a rate of 15.5% in accordance with the Tariff Regulations, 2021. The Petitioner submits that there is no plan of addition in Equity in FY 2022-23 to FY 2024-25 for the existing plants. Further, it is submitted that the actual tax paid would be claimed separately during True up of respective years.

Table 142: Projected Return on Equity capital for FY 2022-23 to FY 2024-25

Rs. Cr						
Station	Particulars	2020-21	2021-22	2022-23	2023-24	2024-25
		Actual	Estimated	Projected	Projected	Projected
NTPS	Opening Equity	55.00	55.00	55.00	55.00	55.00
	Closing Equity	55.00	55.00	55.00	55.00	55.00
	Rate of Return	15.50%	15.50%	15.50%	15.50%	15.50%
	<b>Return on Equity</b>	<b>8.53</b>	<b>8.53</b>	<b>8.53</b>	<b>8.53</b>	<b>8.53</b>



33.2.3 APGCL prays to the Hon'ble Commission to approve the projected Return on Equity as shown above.

### 34.3. Interest on Loan Capital

34.3.1. As per Regulation 35 of the Tariff Regulations, 2021, the Commission will consider interest on Loan capital on normative basis with repayment equal to depreciation allowed for that year and rate of interest will be the weighted average rate of interest calculated on the basis of the actual loan portfolio at the beginning of each year.

34.3.2. In view of the above, the Petitioner has projected the Interest on long term Loan on normative basis for FY 2022-23 to FY 2024-25. The Petitioner has considered normative loan portfolio and the repayment shown is considered equal to the depreciation for FY 2022-23 to FY 2024-25. The interest rate has been considered as the weighted average rate of interest for FY 2022-23 to FY 2024-25.

34.3.3. The finance charges are shown separately for FY 2022-23 to FY 2024-25. The table below summarizes the interest on loan and finance charges considered for MYT period of FY 2022-23 to FY 2024-25.

Table 143: Projected Interest and Finance charges for FY 2022-23 to FY 2024-25

Rs. Cr

Station	Particulars	2020-21 Actual	2021-22 Estimated	2022-23 Projected	2023-24 Projected	2024-25 Projected
NTPS	Net Normative Opening Loan	0.77	0.96	0.09	0.88	1.50
	Addition of normative loan during the year	1.65	0.00	1.72	1.57	1.13
	Normative Repayment during the year	1.45	0.88	0.92	0.95	0.98
	Net Normative Closing Loan	0.96	0.09	0.88	1.50	0.00
	Avg. Normative Loan	0.87	0.53	0.48	1.19	0.75
	Interest Rate	10.16%	10.90%	10.93%	10.85%	10.79%
	Interest on Loan Capital	0.09	0.06	0.05	0.13	0.08
	Add: Bank Charges	0.01	0.00	0.00	0.00	0.00
	<b>Net Interest on Loan Capital</b>	<b>0.10</b>	<b>0.06</b>	<b>0.05</b>	<b>0.13</b>	<b>0.08</b>

33.3.4 APGCL prays to the Hon'ble Commission to approve the projected Total interest and finance charges as shown above.

### 34.4. Depreciation

34.4.1. The Hon'ble Commission in its Tariff Regulations, 2021 has considered following principals for determination of depreciation.

*"33 Depreciation*

*33.1 The value base for the purpose of depreciation shall be the Capital Cost of the asset admitted by the Commission.*

*Provided that depreciation shall not be allowed on assets funded through Consumer contribution and Capital Subsidies/Grants.*



33.2 The salvage value of the asset shall be considered as 10% and depreciation shall be allowed up to maximum of 90% of the capital cost of the asset.

.....”

34.4.2. In view of the above, the Petitioner has computed the Depreciation considering the Capital Cost of the asset admitted by the Commission and projected asset addition with 10% salvage value. Also, depreciation on grants has been subtracted. The table below summarizes the Depreciation projected for FY 2022-23 to FY 2024-25.

Table 144: Projected Depreciation for FY 2022-23 to FY 2024-25 of NTPS

Particulars	2020-21	2021-22	2022-23	2023-24	2024-25
	Actual	Estimated	Projected	Projected	Projected
Opening GFA	188.74	190.39	190.39	192.11	193.68
Addition during the year	1.65	0.00	1.72	1.57	1.13
Closing GFA	190.39	190.39	192.11	193.68	194.81
Average GFA	189.56	190.39	191.25	192.89	194.24
Rate of Depreciation	0.82%	0.50%	0.52%	0.53%	0.54%
<b>Total Depreciation</b>	<b>1.56</b>	<b>0.94</b>	<b>0.99</b>	<b>1.02</b>	<b>1.05</b>
Grant	13.16	13.16	13.16	13.16	13.16
Additions during the year	0.00	0.00	0.00	0.00	0.00
Closing grant	13.16	13.16	13.16	13.16	13.16
Average grant	13.16	13.16	13.16	13.16	13.16
Rate of Depreciation	0.82%	0.50%	0.52%	0.53%	0.54%
Depreciation on grants	0.11	0.07	0.07	0.07	0.07
<b>Net Depreciation</b>	<b>1.45</b>	<b>0.88</b>	<b>0.92</b>	<b>0.95</b>	<b>0.98</b>

Rs. Cr



Table 145: Summary of projected Depreciation for FY 2022-23 to FY 2024-25

Rs. Cr

Station	Particulars	2020-21	2021-22	2022-23	2023-24	2024-25
		Actual	Estimated	Projected	Projected	Projected
NTPS	Depreciation	1.56	0.94	0.99	1.02	1.05
	Less: Depreciation on assets funded by Grants	0.11	0.07	0.07	0.07	0.07
	<b>Net Depreciation</b>	<b>1.45</b>	<b>0.88</b>	<b>0.92</b>	<b>0.95</b>	<b>0.98</b>

34.4.3. APGCL pray to the Hon'ble Commission to approve the projected Depreciation for FY 2022-23 to FY 2024-25 as shown above.

### 34.5. Interest on Working Capital

34.5.1. As per Regulation 36 of the Tariff Regulations, 2021, the interest on working capital will be considered on normative basis.

34.5.2. As per the above regulations, the Petitioner has projected normative interest on working capital. However, as APGCL does not have liquid fuel stock facility, it has not considered working capital on storage of liquid fuel. The rate of interest has been considered equal to the normative interest rate of three hundred (300) basis points above the average State Bank of India MCLR (One Year Tenor) prevalent during the last available six months, which  $7\% + 3.00\% = 10\%$ .

34.5.3. The interest on working capital considered is shown in the table below:

Table 146: Summary of Interest on working capital projected for FY 2022-23 to FY 2024-25

Rs. Cr

Station	Particulars	2020-21	2021-22	2022-23	2023-24	2024-25
		Actual	Estimated	Projected	Projected	Projected
NTPS	Fuel Cost for one month	3.66	2.64	3.82	3.82	3.82
	O&M Expenses for one month	3.01	2.03	1.74	1.82	1.90
	Maintenance Spares-30% of O&M	10.82	7.31	6.26	6.54	6.84
	Receivables for two months	14.11	10.12	12.64	12.38	12.41
	Total Working Capital Requirement	31.59	22.09	24.46	24.56	24.98
	Rate of interest	10.00%	10.00%	10%	10%	10%
	<b>interest on Working capital</b>	<b>3.16</b>	<b>2.21</b>	<b>2.45</b>	<b>2.46</b>	<b>2.50</b>

34.5.4. APGCL prays to the Hon'ble Commission to approve the interest on Working capital for FY 2022-23 to FY 2024-25 as shown above.



### 34.6. Operation and Maintenance Expenses (O&M Expenses)

34.6.1. The Operation and maintenance expense are to be projected as per Regulation 51.1 of the Tariff Regulations, 2021.

34.6.2. As per the regulation shown above, the average of the approved O&M expenses for the 2 years (FY 2018-19 and FY 2019-20) and actual normative for year ending March 31, 2021 (FY 2020-21) is being considered as O&M expenses for the financial year ended March 31, 2021 (FY 2020-21). The same is shown below.

*Rs. Cr*

Station	FY 2018-19 Approved	FY 2019-20 Approved	FY 2020-21 Actual	Average of last 3 yrs. (FY 2019-20)
NTPS	42.73	51.72	55.17	49.87

34.6.3. The Normative O&M expenses obtained for FY 2019-20 has been escalated at the rate equal to average of last three years CPI & WPI inflation considered in the ratio of 60:40 for the respective years to arrive at O&M expenses for FY 2020-21 to FY 2024-25 i.e 4.57%.

*Rs. Cr*

Average of last 3 Years	2020-21	2021-22	2022-23	2023-24	2024-25
FY 2019-20	Projection	Projection	Projected	Projected	Projected
49.87	52.15	54.53	57.02	59.63	62.35

34.6.4. Further, APGCL has computed O&M expenses for MYT Control period for FY 2022-23 to FY 2024-25 at the effective capacity.

Table 147: Operation and Maintenance projected for FY 2022-23 to FY 2024-25

*Rs. Cr*

Station	Effective Capacity (In MW)	FY 2022-23	FY 2023-24	FY 2024-25
NTPS	43.50	20.76	21.71	22.70

Table 148: Operation and Maintenance claim for FY 2022-23 to FY 2024-25

Station	FY 2022-23	FY 2023-24	FY 2024-25
O&M Cost	20.76	21.71	22.70
Increase in AERC Tariff Filing Fee	0.10	0.10	0.10
<b>Total Claim</b>	<b>20.86</b>	<b>21.81</b>	<b>22.80</b>

34.6.5. APGCL prays to the Hon'ble Commission to approve the O&M expenses for FY 2022-23 to FY 2024-25 as shown above on effective capacity.

### 34.7. Non-Tariff income

34.7.1. As per Regulation 46 of the Tariff Regulations, 2021, the non-tariff income shall be deducted from the Annual Fixed Cost in determining the Annual Fixed Cost of the Generation Company.

34.7.2. The non-tariff income for FY 2022-23 to FY 2024-25 are projected same as estimated for FY 2021-22, the same is as shown in the table below:

Table 149: Station-wise Non-tariff income projected for FY 2022-23 to FY 2024-25

Station	2021-22	2022-23	2023-24	2024-25
	Estimated	Projected	Projected	Projected
NTPS	7.13	7.13	7.13	7.13

Rs. Cr

34.7.3. APGCL humbly submits that the FD's created out of grants received for Lower Kopili HEP are now almost withdrawn for expenditures towards the project. The interest rate offered by banks on FD's were subsequently reduced from 5.5%-6.5% to 3.0%-3.5% post Covid 19 pandemic.

34.7.4. In view of above, the non tariff income is considered at normative approved by the Hon'ble Commission in the MYT Order for FY2020-21 and FY2021-22. APGCL will submit the actual non-tariff income for these years during True Up for each year.

34.7.5. APGCL prays to the Hon'ble Commission to approve the Non-tariff income for FY 2022-23 to FY 2024-25 as shown above.

## 35. Energy Charges

### 35.1. Fuel Price and Calorific Value

35.1.1. As per Regulation 10 of the Tariff Regulations 2021, 'Fuel Price' and 'Calorific Value of Fuel' are uncontrollable items. The projected values of 'Fuel Price' and 'Calorific Value of Fuel' are shown in the table below:

Table 150: Projected GCV and Price for FY 2022-23 to FY 2024-25

Station	FY 2022-23		FY 2023-24		FY 2024-25	
	Wt. Avg. Gross Calorific Value of Gas (kcal/SCM)	Wt. Avg. Price of Gas (Rs./1000 SCM)	Wt. Avg. Gross Calorific Value of Gas (kcal/SCM)	Wt. Avg. Price of Gas (Rs./1000 SCM)	Wt. Avg. Gross Calorific Value of Gas (kcal/SCM)	Wt. Avg. Price of Gas (Rs./1000 SCM)
NTPS	9,205	5,552	9,205	5,552	9,205	5,553



35.1.2. The Petitioner prays to the Hon'ble Commission to approve the projected Price of Gas and GCV for NTPS for FY 2022-23 to FY 2024-25 as shown in the table above.

### 35.2. Fuel cost

34.2.1 The table below shows the projected fuel cost for FY 2022-23 to FY 2024-25.

Table 151: Fuel cost for NTPS for FY 2022-23 to FY 2024-25

Particulars	Derivation	Unit	2022-23	2023-24	2024-25
			Projected	Projected	Projected
Gross Generation	A	MU	195.09	195.09	195.09
Heat Rate	B	kcal/kWh	3900.00	3900.00	3900.00
GCV of gas	C	kcal/SCM	9205	9205	9205
Overall Heat	D=AxB	G. cal.	760856	760856	760856
Gas consumption	E=D/C	M. SCM	82.66	82.66	82.66
Price of Gas	F	Rs./1000 SCM	5552	5552	5553
Total cost of Gas	G=ExF/10000	<b>Rs. Crore</b>	<b>45.89</b>	<b>45.89</b>	<b>45.90</b>

35.2.1. The Petitioner prays to the Hon'ble Commission to approve the projected Fuel cost Price for NTPS for FY 2022-23 to FY 2024-25 as shown in the table above.

### 35.3. Incentives

35.3.1. APGCL submits that the Incentives for FY 2022-23 to FY 2024-25 will be claimed in True-up as per Regulations.

## 36. Other expenses

### 36.1. Special R&M

36.1.1. APGCL's plans to undertake Special R&M for the following units, cost of which will be claimed as shown below.

Table 152: Expenses under Special R&M

Plant Name	Proposed amount (In In crores)		
	FY 2022-23	FY 2023-24	FY 2024-25
NTPS	4.25	1.6	0.8

Rs. Cr



## 36.2. Capacity building

36.2.1. APGCL's plans to undertake capacity building of its employees as discussed in the capital investment plan with expenses projected as shown below.

Table 153: Expenses under Capacity building

Plant Capacity	Rs. Cr		
	2022-23	2023-24	2024-25
NTPS	0.06	0.04	0.04

36.2.2. We submit that the detailed capacity building plan is shown as part of capital investment plan in the above section.

## 37. Summary of submissions for MYT period of FY 2022-23 to FY 2024-25

### 37.1. Summary

37.1.1. The Summary of the MYT for FY 2022-23 to FY 2024-25 for NTPS is shown below.

Table 154: MYT for FY 2022-23 to FY 2024-25 For NTPS

Sl. No	Particulars	Rs. Cr		
		2022-23 Projected	2023-24 Projected	2024-25 Projected
<b>I</b>	<b>POWER GENERATION (MU)</b>			
	Gross Generation	195.09	195.09	195.09
	Net Generation	186.31	186.31	186.31
	Auxiliary Consumption Loss %	4.50%	4.50%	4.50%
<b>I</b>	<b>Fixed Charges</b>			
	Operation & Maintenance Expenditure	20.86	21.81	22.80
	Interest & Finance Charges	0.05	0.13	0.08
	Interest on working Capital	2.45	2.46	2.50
	Depreciation	0.92	0.95	0.98
	Return on Equity	8.53	8.53	8.53
	Special R&M	4.25	1.60	0.80
	Capacity Building	0.056	0.042	0.042
	Less: Other Income	-7.13	-7.13	-7.13
<b>II</b>	<b>Total Fixed Charges</b>	<b>29.98</b>	<b>28.38</b>	<b>28.59</b>
<b>III</b>	<b>Fuel Cost</b>	<b>45.9</b>	<b>45.9</b>	<b>45.9</b>
<b>IV</b>	<b>Total Revenue Requirement</b>	<b>75.87</b>	<b>74.27</b>	<b>74.49</b>



### 37.2. Net Annual Revenue Requirement

37.2.1. The Net Annual Revenue Requirements for FY 2022-23 to FY 2024-25 are as shown in the tables below.

Table 155: Net Annual Revenue Requirements for NTPS for FY 2022-23 to FY 2024-25

Particulars	2022-23	2023-24	2024-25
	Projected	Projected	Projected
Total Fixed Charges (Rs. Crore)	<b>29.98</b>	<b>28.38</b>	<b>28.59</b>
Fuel Cost (Rs. Crore)	45.9	45.9	45.9
Total Revenue Requirement (Rs. Crore)	<b>75.87</b>	<b>74.27</b>	<b>74.49</b>
<b>Total Per unit cost (Rs/ KWh)</b>	4.07	3.99	4.00

### 37.3. Tariff for NTPS for FY 2022-23

37.3.1. The tariff proposed for NTPS for FY 2022-23 is as shown below

Table 156: tariff proposed for NTPS for FY 2022-23

Particulars	NTPS
Annual fixed charges (Rs crore)	<b>29.98</b>
Monthly fixed charges (Rs crore)	2.50
Energy charge rate (Rs. / kWh)	2.46

37.3.2. The Petitioner prays to the Hon'ble Commission to approve the Net Annual Revenue Requirement for FY 2022-23 to FY 2024-25 as discussed in the tables above.

**APPEAL FOR AGGREGATE REVENUE REQUIREMENT  
FOR FY 2022-23 to FY 2024-25 for LTPS  
&  
DETERMINATION OF TARIFF FOR FY 2022-23  
To  
ASSAM ELECTRICITY REGULATORY COMMISSION**



Prepared by  
**ASSAM POWER GENERATION CORPORATION LTD**  
Bijulee Bhawan, Paltanbazar  
Guwahati – 781 001



## AFFIDAVIT – LTPS

BEFORE THE ASSAM STATE ELECTRICITY REGULATORY  
COMMISSION, GUWAHATI.

Petition No. –

Case No.  
(to be filed by the Office)

IN THE MATTER OF

Filing of Petition for Aggregate Revenue Requirement for the FYs 2022-23, 2023-24 and 2024-25.

AND

Petition for Determination of Tariff for the FY 2022-23

AND

IN THE MATTER OF

Lakwa Thermal Power Station,  
Assam Power Generation Corporation Limited,  
Maitella, Charaideo,  
Saffry-785689

Petitioner

I, Sri Mokshada Prasad Sarma, Son of Sri Sarada Prasad Sarma, aged 59 years, residing at Flat No. 1/A1, Puberun Apartment, Ghoramara, P.O. Beltola, Guwahati-781028, do solemnly affirm and say as follows:

I am the General Manager (HQ) of Assam Power Generation Corporation Limited, the petitioner in the above matter and am duly authorized by the said Petitioner to make this affidavit for and on behalf of the Assam Power Generation Corporation Limited.

The Statement made in the Petition based on information received from official records and I believe them to reflect truly and no material has been concealed from the statements so made or documents or supporting data etc. attached.

Solemnly affirm at Guwahati on 29<sup>th</sup> November' 2021 that the contents of this affidavit are true to my knowledge, no part of it is false or no material has been concealed therefore and misleading material included therein.

**Deponent**

Place: Guwahati

Date: 29<sup>th</sup> November' 2021

  
**(Mokshada Prasad Sarma)**  
**General Manager (HQ),**  
**Assam Power Generation Corporation Ltd.**

By order of the Commission

Secretary of the Commission



## PRAYER – LTPS

BEFORE THE HON'BLE ASSAM ELECTRICITY REGULATORY COMMISSION

FILINGNO .....

CASENO.....

**IN THE MATTER OF:**

Petition for Submission of Aggregate Revenue Requirement for the MYT Period from FY 2022-23 to FY 2024-25 and Determination of Tariff for the FY 2022-23

**AND IN THE MATTER OF:**

Lakwa Thermal Power Station (hereinafter referred to as "LTPS") of Assam Power Generation Corporation Limited (hereinafter referred to as "APGCL") incorporated under the provisions of the Companies Act, 1956 and having its registered office in the State of Assam

**THE HUMBLE APPLICANT ABOVE NAMED MOST RESPECTFULLY SHEWETH:**

- 1 That the APGCL is a successor corporate entity of former ASEB, formed in pursuant to the notification of the Government of Assam, notified under sub-sections (1), (2), (5), (6) and (7) of Section 131 and Section 133 of the Electricity Act 2003(Central Act 36 of 2003), for the purpose of transfer and vesting of functions, properties, interests, rights, obligations and liabilities, along with the transfer of Personnel of the Board to the successor corporate entities.
- 2 That the APGCL is a company incorporated with the main object of generation of electricity in the state of Assam.
- 3 That the APGCL is a generating company under the provisions laid down in Section 14 Proviso 5, read with Section 131 (2) of the Electricity Act 2003.
- 4 That the LTPS, with its first of the eight units commissioned on 26/04/1981 and the last of the eight units commissioned on 17/01/2012, is an operating gas based thermal Power Station under the APGCL in the district of Charaideo (earlier Sivsagar), Assam.
- 5 That the Hon'ble Commission notified the AERC (Terms and Conditions for determination of Multi Year Tariff) Regulations, 2021 on 18th September, 2021.
- 6 That as per the Hon'ble Commission's this new MYT Regulations of 2021 the licensee is filing for approval of the for Aggregate Revenue Requirement of LTPS for the MYT Period from FY 2022-23 to FY 2024-25 and Determination of Tariff for the FY 2022-23.

Place: Guwahati

Date: 29<sup>th</sup> November' 2021

**Deponent**



**(Mokshada Prasad Sarma)  
General Manager (HQ),  
Assam Power Generation Corporation Ltd.**



## 38. Multi Year Tariff Framework for FY 2022-23 to FY 2024-25

### 38.1. Regulatory provisions for Multi-Year Tariff framework

38.1.1. The Hon'ble Commission in its Tariff regulations, 2021 has stated the following on Revised ARR for the control period from FY 2022-23 to FY 2024-25. The same is reproduced below for ready reference:

#### *"4 Multi-Year Tariff Framework*

*4.1 The Commission shall determine the tariff for matters covered under Regulation 3.3 above under a Multi-Year Tariff framework with effect from 1st April 2022.*

*4.2 The Multi-Year Tariff framework shall be based on the following elements, for calculation of*

*Aggregate Revenue Requirement and expected revenue from tariff and charges for Generating Companies, Transmission Licensee, SLDC, Distribution Wheeling Business and Retail Supply Business:*

- (vi) Before commencement of Control Period, a forecast of the Aggregate Revenue Requirement and expected revenue from existing tariff and charges shall be submitted by the applicant and approved by the Commission.*
- (vii) A detailed Capital Investment Plan for each year of the Control Period, shall be submitted by the applicant for the Commission's approval.*
- (viii) The applicant shall submit operating norms and trajectories of performance parameters for each year of the Control Period, for the Commission's approval.*
- (ix) The applicant shall submit the forecast of Aggregate Revenue Requirement and expected revenue from existing tariff for each year of the Control Period, and the Commission shall approve the tariff for Generating Companies, SLDC, Transmission Licensee, Distribution Wheeling Business and Retail Supply Business, for each year of the Control Period.*
- (x) In its tariff petition, a generating company shall submit information to support the determination of tariff for each generating station"*

#### *5 Control Period and Baseline*

*5.1 The first Control Period under these Regulations shall be of three financial years from April 1st, 2022 to March 31st, 2025 and for every block of three years thereafter or such other period as may be decided by the Commission.*

*Provided that in case any generating station gets commissioned after notification of these Regulations but before commencement of the first Control Period, the Commission may determine the tariff based on the norms as specified for such generating station under these Regulations, under special case through separate Order.*

*5.2 The Commission shall determine baseline values for various financial and operational parameters of ARR for the Control Period taking into consideration the figures approved by the Commission in the past, actual average figures of last three years, audited accounts, estimate of the figures for the relevant year, Industry benchmarks/norms and other factors considered appropriate by the Commission. Provided that in case of substantial difference between the estimates earlier provided considered for determination of baseline values and the actual audited accounts, the Commission may re-determine the baseline values for the base year suo-moto or on an application filed by the Applicant.*



## 39. Norms of operations

### 39.1. Regulatory provisions

39.1.1. The Hon'ble Commission had set norms of operations under Tariff Regulations 2021.

39.1.2. The projected performance vis-a-vis norms of operations set is discussed below:

### 39.2. Snapshot of performance projection for FY 2022-23 to FY 2024-25

39.2.1. The following table shows the projection of performance parameters of gas based Lakwa thermal power station for FY 2022-23 to FY 2024-25.

Table 157: Projected Operating Performance for FY 2022-23 to FY 2024-25 of LTPS

LTPS	2020-21	2021-22	2022-23	2023-24	2024-25
	Actual	Estimated	Projected	Projected	Projected
Gross Energy in MU	447.57	397.90	425.74	425.74	425.74
Aux. Power Cons. (%)	8.26%	7.33%	5.50%	5.50%	5.50%
Net Energy in MU	410.61	368.74	402.32	402.32	402.32
Plant Availability Factor (%)	55.63%	50.56%	50.00%	50%	50%
Plant Load Factor (%)	51.03%	45.84%	66.00%	66%	66%
Gross Station Heat Rate on GCV (kcal/ kWh)	2501.94	2788.90	3200.00	3200	3200

### 39.3. Normative Annual Plant Availability Factor (NAPAF)

39.3.1. As per Regulation 48.1 of the Tariff Regulations, 2021 the Normative Plant Availability factor for recovery of full fixed charges, is 50% for FY 2022-23 to FY 2024-25 for LTPS. The actual and projected numbers are shown in the table below.

Table 158: Projected Availability for FY 2022-23 to FY 2024-25 of LTPS

LTPS	2020-21	2021-22	2022-23	2023-24	2024-25
	Actual	Estimated	Projected	Projected	Projected
Plant Availability Factor (%)	55.63%	50.56%	50.00%	50%	50%

### 39.4. Normative Annual Plant Load Factor (NAPLF)

39.4.1. As per Regulation 48.2 of the Tariff Regulations, 2021 the Normative Plant Load factor is 66% for FY 2022-23 to FY 2024-25 for LTPS. The actual and projected numbers are shown in the table below.

Table 159: Projected PLF for FY 2022-23 to FY 2024-25 of LTPS

LTPS	2020-21	2021-22	2022-23	2023-24	2024-25
	Actual	Estimated	Projected	Projected	Projected
<b>Plant Load Factor (%)</b>	51.03%	45.84%	66.00%	66%	66%

### 39.5. Gross Station Heat Rate (SHR)

39.5.1. As per Regulation 48.4, of the Tariff Regulations, 2021 the Normative Station Heat Rate, is 3200 kCal/kWh for FY 2022-23 to FY 2024-25 for LTPS in combined cycle mode of operation.

39.5.2. The actual and projected numbers are shown in the table below.

Table 160: Projected SHR for FY 2022-23 to FY 2024-25 of LTPS

LTPS	2020-21	2021-22	2022-23	2023-24	2024-25
	Actual	Estimated	Projected	Projected	Projected
<b>Gross Station Heat Rate on GCV (kcal/ kWh)</b>	2501.94	2788.90	3200.00	3200	3200

### 39.6. Auxiliary Energy Consumption

32.6.1 As per Regulation 48.3 of the Tariff Regulations, 2021 the Normative Auxiliary energy consumption is 5.50% for FY 2022-23 to FY 2024-25 for LTPS. The same has been considered for projection. The actual and projected numbers are shown in the table below.

Table 161: Projected Auxiliary energy consumption for FY 2022-23 to FY 2024-25 of LTPS

LTPS	2020-21	2021-22	2022-23	2023-24	2024-25
	Actual	Estimated	Projected	Projected	Projected
<b>Aux. Power Cons. (%)</b>	8.26%	7.33%	5.50%	5.50%	5.50%

32.6.2 APGCL prays to the Hon'ble Commission to approve the projection of performance parameters as shown above.

## 40. Fixed Cost of the Plant

### 40.1. Annual fixed cost for FY 2022-23 TO FY 2024-25

40.1.1. As per regulation 43.1 of the AERC Tariff regulations, 2021 the following components have been considered for projecting of fixed cost under the Multi Year Tariff framework for the power plants:

- (g) Return on Equity Capital
- (h) Interest on Loan capital
- (i) Depreciation
- (j) Operation and Maintenance Expenses
- (k) Interest on Working Capital
- (l) Less: Non-Tariff Income

40.1.2. For the computation of the fixed components, the Petitioner has considered the principles provided in the Tariff Regulations, 2021. These components have been discussed in detail in the following sections of the petition.

### 40.2. Return on Equity (ROE)

40.2.1. The Hon'ble Commission in its regulation has considered the pre-tax return on equity at 15.5% on equity capital. The Regulation 34 of the Tariff Regulations, 2021 is reproduced below for reference.

*"33 Return on Equity Capital*

*33.1 Return on equity capital shall be computed on the equity capital determined in accordance with Regulation 32*

.....

40.2.2. APGCL has projected the Return on Equity (RoE) at a rate of 15.5% in accordance with the Tariff Regulations, 2021. The Petitioner submits that there is no plan of addition in Equity in FY 2022-23 to FY 2024-25 for the existing plants. Further, it is submitted that the actual tax paid would be claimed separately during True up of respective years.

Table 162: Projected Return on Equity capital for FY 2022-23 to FY 2024-25

		Rs. Cr				
Station	Particulars	2020-21	2021-22	2022-23	2023-24	2024-25
		Actual	Estimated	Projected	Projected	Projected
LTPS	Opening Equity	143.08	143.08	143.08	143.08	143.08
	Closing Equity	143.08	143.08	143.08	143.08	143.08
	Rate of Return	15.50%	15.50%	15.50%	15.50%	15.50%
	<b>Return on Equity</b>	<b>22.18</b>	<b>22.18</b>	<b>22.18</b>	<b>22.18</b>	<b>22.18</b>





33.2.3 APGCL prays to the Hon'ble Commission to approve the projected Return on Equity as shown above.

### 40.3. Interest on Loan Capital

40.3.1. As per Regulation 35 of the Tariff Regulations, 2021, the Commission will consider interest on Loan capital on normative basis with repayment equal to depreciation allowed for that year and rate of interest will be the weighted average rate of interest calculated on the basis of the actual loan portfolio at the beginning of each year.

40.3.2. In view of the above, the Petitioner has projected the Interest on long term Loan on normative basis for FY 2022-23 to FY 2024-25. The Petitioner has considered normative loan portfolio and the repayment shown is considered equal to the depreciation for FY 2022-23 to FY 2024-25. The interest rate has been considered as the weighted average rate of interest for FY 2022-23 to FY 2024-25.

40.3.3. The finance charges are shown separately for FY 2022-23 to FY 2024-25. The table below summarizes the interest on loan and finance charges considered for MYT period of FY 2022-23 to FY 2024-25.

Table 163: Projected Interest and Finance charges for FY 2022-23 to FY 2024-25

Rs. Cr

Station	Particulars	2020-21 Actual	2021-22 Estimated	2022-23 Projected	2023-24 Projected	2024-25 Projected
LTPS	Net Normative Opening Loan	0	3.29	0.00	6.38	11.59
	Addition of normative loan during the year	14.73	0.00	18.02	16.49	9.68
	Normative Repayment during the year	11.45	11.47	11.64	11.28	11.53
	Net Normative Closing Loan	3.29	0.00	6.38	11.59	9.74
	Avg. Normative Loan	1.64	1.64	3.19	8.98	10.66
	Interest Rate	10.16%	10.90%	10.93%	10.85%	10.79%
	Interest on Loan Capital	0.17	0.18	0.35	0.97	1.15
	Add: Bank Charges	0.01	0.00	0.00	0.00	0.00
	<b>Net Interest on Loan Capital</b>	<b>0.18</b>	<b>0.18</b>	<b>0.35</b>	<b>0.97</b>	<b>1.15</b>

40.3.4. APGCL prays to the Hon'ble Commission to approve the projected Total interest and finance charges as shown above.

## 40.4. Depreciation

40.4.1. The Hon’ble Commission in its Tariff Regulations, 2021 has considered following principals for determination of depreciation.

*“33 Depreciation*

*33.1 The value base for the purpose of depreciation shall be the Capital Cost of the asset admitted by the Commission.*

*Provided that depreciation shall not be allowed on assets funded through Consumer contribution and Capital Subsidies/Grants.*

*33.2 The salvage value of the asset shall be considered as 10% and depreciation shall be allowed up to maximum of 90% of the capital cost of the asset.*

*.....”*

40.4.2. In view of the above, the Petitioner has computed the Depreciation considering the Capital Cost of the asset admitted by the Commission and projected asset addition with 10% salvage value. Also, depreciation on grants has been subtracted. The table below summarizes the Depreciation projected for FY 2022-23 to FY 2024-25.

Table 164: Projected Depreciation for FY 2022-23 to FY 2024-25 of LTPS

Particulars	Rs. Cr				
	2020-21 Actual	2021-22 Estimated	2022-23 Projected	2023-24 Projected	2024-25 Projected
Opening GFA	485.87	500.60	500.60	518.62	535.11
Addition during the year	14.73	0.00	18.02	16.49	9.68
Closing GFA	500.60	500.60	518.62	535.11	544.79
Average GFA	493.23	500.60	509.61	526.86	539.95
Rate of Depreciation	2.68%	2.64%	2.62%	2.44%	2.43%
<b>Total Depreciation</b>	<b>13.20</b>	<b>13.20</b>	<b>13.36</b>	<b>12.88</b>	<b>13.12</b>
Grant	65.50	65.50	65.50	65.50	65.50
Additions during the year	0.00	0.00	0.00	0.00	0.00
Closing grant	65.50	65.50	65.50	65.50	65.50
Average grant	65.50	65.50	65.50	65.50	65.50
Rate of Depreciation	2.68%	2.64%	2.62%	2.44%	2.43%
Depreciation on grants	1.75	1.73	1.72	1.60	1.59
<b>Net Depreciation</b>	<b>11.45</b>	<b>11.47</b>	<b>11.64</b>	<b>11.28</b>	<b>11.53</b>

Table 165: Summary of projected Depreciation for FY 2022-23 to FY 2024-25

Rs. Cr

Station	Particulars	Rs. Cr				
		2020-21 Actual	2021-22 Estimated	2022-23 Projected	2023-24 Projected	2024-25 Projected
LTPS	Depreciation	13.20	13.20	13.36	12.88	13.12



Station	Particulars	2020-21	2021-22	2022-23	2023-24	2024-25
		Actual	Estimated	Projected	Projected	Projected
	Less: Depreciation on assets funded by Grants	1.75	1.73	1.72	1.60	1.59
	<b>Net Depreciation</b>	<b>11.45</b>	<b>11.47</b>	<b>11.64</b>	<b>11.28</b>	<b>11.53</b>

40.4.3. APGCL pray to the Hon'ble Commission to approve the projected Depreciation for FY 2022-23 to FY 2024-25 as shown above.

#### 40.5. Interest on Working Capital

40.5.1. As per Regulation 36 of the Tariff Regulations, 2021, the interest on working capital will be considered on normative basis.

40.5.2. As per the above regulations, the Petitioner has projected normative interest on working capital. However, as APGCL does not have liquid fuel stock facility, it has not considered working capital on storage of liquid fuel. The rate of interest has been considered equal to the normative interest rate of three hundred (300) basis points above the average State Bank of India MCLR (One Year Tenor) prevalent during the last available six months, which  $7\% + 3.00\% = 10\%$ .

40.5.3. The interest on working capital considered is shown in the table below:

Table 166: Summary of Interest on working capital projected for FY 2022-23 to FY 2024-25

Station	Particulars	2020-21	2021-22	2022-23	2023-24	2024-25
		Actual	Estimated	Projected	Projected	Projected
LTPS	Fuel Cost for one month	5.83	6.78	9.65	9.65	9.65
	O&M Expenses for one month	3.43	3.64	3.55	3.71	3.88
	Maintenance Spares-30% of O&M	12.36	13.12	12.77	13.35	13.96
	Receivables for two months	21.99	26.65	34.08	36.33	37.23
	Total Working Capital Requirement	43.61	50.20	60.05	63.05	64.73
	Rate of interest	10.00%	10.00%	10%	10%	10%
	<b>interest on Working capital</b>	<b>4.36</b>	<b>5.02</b>	<b>6.00</b>	<b>6.30</b>	<b>6.47</b>

40.5.4. APGCL prays to the Hon'ble Commission to approve the interest on Working capital for FY 2022-23 to FY 2024-25 as shown above.

## 40.6. Operation and Maintenance Expenses (O&M Expenses)

40.6.1. The Operation and maintenance expense are to be projected as per Regulation 51.1 of the Tariff Regulations, 2021.

40.6.2. APGCL submitted that the commission has approved Normative O&M for LTPS is 29.15 Crore for FY 2018-19 in order of dated March 07,2020. Subsequently, Commission approved 56.49 crore for FY 2019-20 and 60.26 Crore for FY 2021-22.

40.6.3. It is observed that Commission has approved very less normative O&M expenses for FY 2018-19. Hence, APGCL has considered 46.20 crore for LTPS for FY 2018-19 as computed in Table No. 20 in the Tariff order of dated March 07,2020. Petition.

40.6.4. As per the regulation shown above, the average of the approved O&M expenses for FY 2018-19, FY 2019-20 and actual normative for year ending March 31, 2021 (FY 2020-21) is being considered as O&M expenses for the financial year ended March 31, 2020 (FY 2019-20). The same is shown below.

Rs. Cr

Station	FY 2018-19 Approved	FY 2019-20 Approved	FY 2020-21 Actual	Average of last 3 yrs. (FY 2019-20)
LTPS	46.29	56.49	60.26	54.35

40.6.5. The Normative O&M expenses obtained for FY 2019-20 has been escalated at the rate equal to average of last three years CPI & WPI inflation considered in the ratio of 60:40 for the respective years to arrive at O&M expenses for FY 2020-21 to FY 2024-25 i.e. 4.57%.

Rs. Cr

Average of last 3 Years	2020-21	2021-22	2022-23	2023-24	2024-25
FY 2019-20	Projection	Projection	Projected	Projected	Projected
54.35	56.83	59.42	62.14	64.97	67.94

40.6.6. Further, APGCL has computed O&M expenses for MYT Control period for FY 2022-23 to FY 2024-25 at the effective capacity.

Table 167: Operation and Maintenance projected for FY 2022-23 to FY 2024-25

Rs. Cr

Station	Effective Capacity (In MW)	FY 2022-23	FY 2023-24	FY 2024-25
LTPS	97.20	42.47	44.41	46.44

Table 163: Operation and Maintenance claim for FY 2022-23 to FY 2024-25



LTPS	FY 2022-23	FY 2023-24	FY 2024-25
<b>O&amp;M Cost</b>	42.47	44.41	46.44
<b>Increase in AERC Tariff Filing Fee</b>	0.10	0.10	0.10
<b>Total Claim</b>	<b>42.57</b>	<b>44.51</b>	<b>46.54</b>

40.6.7. APGCL prays to the Hon'ble Commission to approve the O&M expenses for FY 2022-23 to FY 2024-25 as shown above on effective capacity.

### 40.7. Non-Tariff income

40.7.1. As per Regulation 46 of the Tariff Regulations, 2021, the non-tariff income shall be deducted from the Annual Fixed Cost in determining the Annual Fixed Cost of the Generation Company.

40.7.2. The non-tariff income for FY 2022-23 to FY 2024-25 are projected same as estimated for FY 2021-22, the same is as shown in the table below:

Table 168: Station-wise Non-tariff income projected for FY 2022-23 to FY 2024-25

Station	2021-22	2022-23	2023-24	2024-25
	Estimated	Projected	Projected	Projected
<b>LTPS</b>	9.22	9.22	9.22	9.22

Rs. Cr

40.7.1. APGCL humbly submits that the FD's created out of grants received for Lower Kopili HEP are now almost withdrawn for expenditures towards the project. The interest rate offered by banks on FD's were subsequently reduced from 5.5%-6.5% to 3.0%-3.5% post Covid 19 pandemic.

40.7.2. In view of above, the non tariff income is considered at normative approved by the Hon'ble Commission in the MYT Order for FY2020-21 and FY2021-22. APGCL will submit the actual non-tariff income for these years during True Up for each year.

40.7.3. APGCL prays to the Hon'ble Commission to approve the Non-tariff income for FY 2022-23 to FY 2024-25 as shown above.



## 41. Energy Charges

### 41.1. Fuel Price and Calorific Value

41.1.1. As per Regulation 10 of the Tariff Regulations 2021, 'Fuel Price' and 'Calorific Value of Fuel' are uncontrollable items. The projected values of 'Fuel Price' and 'Calorific Value of Fuel' are shown in the table below:

Table 169: Projected GCV and Price for FY 2022-23 to FY 2024-25

Station	FY 2022-23		FY 2023-24		FY 2024-25	
	Wt. Avg. Gross Calorific Value of Gas (kcal/SCM)	Wt. Avg. Price of Gas (Rs./1000 SCM)	Wt. Avg. Gross Calorific Value of Gas (kcal/SCM)	Wt. Avg. Price of Gas (Rs./1000 SCM)	Wt. Avg. Gross Calorific Value of Gas (kcal/SCM)	Wt. Avg. Price of Gas (Rs./1000 SCM)
<b>LTPS</b>	9,338	7,937	9,338	7,939	9,338	7,940

41.1.2. The Petitioner prays to the Hon'ble Commission to approve the projected Price of Gas and GCV for LTPS for FY 2022-23 to FY 2024-25 as shown in the table above.

### 41.2. Fuel cost

41.2.1. The table below shows the projected fuel cost for FY 2022-23 to FY 2024-25.

Table 170: Fuel cost for LTPS for FY 2022-23 to FY 2024-25

Particulars	Derivation	Unit	2022-23	2023-24	2024-25
			Projected	Projected	Projected
Gross Generation	A	MU	425.74	425.74	425.74
Heat Rate	B	kcal/kWh	3200	3200	3200
GCV of gas	C	kcal/SCM	9337.66	9337.66	9337.66
Overall Heat	D=AxB	G. cal.	1362355	1362355	1362355
Gas consumption	E=D/C	M. SCM	145.90	145.90	145.90
Price of Gas	F	Rs./1000 SCM	7937.08	7938.66	7940.29
Total cost of Gas	G=ExF/10000	<b>Rs. Crore</b>	<b>115.80</b>	<b>115.82</b>	<b>115.85</b>

41.2.2. The Petitioner prays to the Hon'ble Commission to approve the projected Fuel cost Price for LTPS for FY 2022-23 to FY 2024-25 as shown in the table above.

### 41.3. Incentives

41.3.1. APGCL submits that the Incentives for FY 2022-23 to FY 2024-25 will be claimed in True-up as per Regulations.

## 42. Other expenses

### 42.1. Special R&M

42.1.1. APGCL's plans to undertake Special R&M for the following units, cost of which will be claimed as shown below.

Table 171: Expenses under Special R&M

Plant Name	Proposed amount (In In crores)		
	FY 2022-23	FY 2023-24	FY 2024-25
LTPS	15	26.05	28.8

Rs. Cr

### 42.2. Capacity building

42.2.1. APGCL's plans to undertake capacity building of its employees as discussed in the capital investment plan with expenses projected as shown below.

Table 172: Expenses under Capacity building

Plant Capacity	2022-23	2023-24	2024-25
LTPS	0.13	0.09	0.09

Rs. Cr

42.2.2. We submit that the detailed capacity building plan is shown as part of capital investment plan in the above section.



## 43. Summary of submissions for MYT period of FY 2022-23 to FY 2024-25

### 43.1. Summary

43.1.1. The Summary of the MYT for FY 2022-23 to FY 2024-25 for LTPS is shown below.

Table 173: MYT for FY 2022-23 to FY 2024-25 For LTPS

Sl. No	Particulars	2022-23	2023-24	2024-25
		Projected	Projected	Projected
<b>I</b>	<b>POWER GENERATION (MU)</b>			
	Gross Generation	425.74	425.74	425.74
	Net Generation	402.32	402.32	402.32
	Auxiliary Consumption Loss %	5.50%	5.50%	5.50%
<b>I</b>	<b>Fixed Charges</b>			
	Operation & Maintenance Expenditure	42.57	44.51	46.54
	Interest & Finance Charges	0.35	0.97	1.15
	Interest on working Capital	6.00	6.30	6.47
	Depreciation	11.64	11.28	11.53
	Return on Equity	22.18	22.18	22.18
	Special R&M	15.00	26.05	28.80
	Capacity Building	0.125	0.094	0.094
	Less: Other Income	-9.22	-9.22	-9.22
<b>II</b>	<b>Total Fixed Charges</b>	<b>88.66</b>	<b>102.18</b>	<b>107.55</b>
<b>III</b>	<b>Fuel Cost</b>	<b>115.80</b>	<b>115.82</b>	<b>115.85</b>
<b>IV</b>	<b>Total Revenue Requirement</b>	<b>204.46</b>	<b>218.00</b>	<b>223.40</b>

Rs. Cr

### 43.2. Net Annual Revenue Requirement

43.2.1. The Net Annual Revenue Requirements for FY 2022-23 to FY 2024-25 are as shown in the tables below.

Table 174: Net Annual Revenue Requirements for LTPS for FY 2022-23 to FY 2024-25

Particulars	2022-23	2023-24	2024-25
	Projected	Projected	Projected
Total Fixed Charges (Rs. Crore)	88.66	102.18	107.55
Fuel Cost (Rs. Crore)	115.80	115.82	115.85
Total Revenue Requirement (Rs Crore)	204.46	218.00	223.40
<b>Total Per unit cost (Rs / KWh)</b>	<b>5.08</b>	<b>5.42</b>	<b>5.55</b>

Rs. Cr





### 43.3. Tariff for LTPS for FY 2022-23

43.3.1. The tariff proposed for LTPS for FY 2022-23 is as shown below

Table 175: tariff proposed for LTPS for FY 2022-23

Particulars	LTPS
Annual fixed charges (Rs crore)	<b>88.66</b>
Monthly fixed charges (Rs crore)	7.39
Energy charge rate (Rs. / kWh)	2.88

43.3.2. The Petitioner prays to the Hon'ble Commission to approve the Net Annual Revenue Requirement for FY 2022-23 to FY 2024-25 as discussed in the tables above.



**APPEAL FOR AGGREGATE REVENUE REQUIREMENT  
FOR FY 2022-23 to FY 2024-25 for KLHEP  
&  
DETERMINATION OF TARIFF FOR FY 2022-23  
To  
ASSAM ELECTRICITY REGULATORY COMMISSION**



Prepared by  
**ASSAM POWER GENERATION CORPORATION LTD**  
Bijulee Bhawan, Paltanbazar  
Guwahati – 781 001



## AFFIDAVIT – KLHEP

BEFORE THE ASSAM STATE ELECTRICITY REGULATORY  
COMMISSION, GUWAHATI.

Petition No. –

Case No.  
(to be filed by the Office)

IN THE MATTER OF

Filing of Petition for Aggregate Revenue Requirement for the FYs 2022-23, 2023-24 and 2024-25.

AND

Petition for Determination of Tariff for the FY 2022-23

AND

IN THE MATTER OF

Karbi Langpi Hydro Electric Project,  
Assam Power Generation Corporation Limited,  
Lengery, Dist. Karbi Anglong, Assam

Petitioner

I, Sri Mokshada Prasad Sarma, Son of Sri Sarada Prasad Sarma, aged 59 years, residing at Flat No. 1/A1, Puberun Apartment, Ghoramara, P.O. Beltola, Guwahati-781028, do solemnly affirm and say as follows:

I am the General Manager (HQ) of Assam Power Generation Corporation Limited, the petitioner in the above matter and am duly authorized by the said Petitioner to make this affidavit for and on behalf of the Assam Power Generation Corporation Limited.

The Statement made in the Petition based on information received from official records and I believe them to reflect truly and no material has been concealed from the statements so made or documents or supporting data etc. attached.

Solemnly affirm at Guwahati on 29<sup>th</sup> November' 2021 that the contents of this affidavit are true to my knowledge, no part of it is false or no material has been concealed therefore and misleading material included therein.

**Deponent**



(Mokshada Prasad Sarma)  
General Manager (HQ),  
Assam Power Generation Corporation Ltd.

Place: Guwahati

Date: 29<sup>th</sup> November' 2021

By order of the Commission

Secretary of the Commission



## PRAYER – KLHEP

BEFORE THE HON'BLE ASSAM ELECTRICITY REGULATORY COMMISSION

FILINGNO .....

CASENO.....

**IN THE MATTER OF:**

Petition for Submission of Aggregate Revenue Requirement for the MYT Period from FY 2022-23 to FY 2024-25 and Determination of Tariff for the FY 2022-23

**AND IN THE MATTER OF:**

Karbi Langpi Hydro Electric Project (hereinafter referred to as "KLHEP") of Assam Power Generation Corporation Limited (hereinafter referred to as "APGCL") incorporated under the provisions of the Companies Act, 1956 and having its registered office in the State of Assam

**THE HUMBLE APPLICANT ABOVE NAMED MOST RESPECTFULLY SHEWETH:**

- 1 That the APGCL is a successor corporate entity of former ASEB, formed in pursuant to the notification of the Government of Assam, notified under sub-sections (1), (2), (5), (6) and (7) of Section 131 and Section 133 of the Electricity Act 2003(Central Act 36 of 2003), for the purpose of transfer and vesting of functions, properties, interests, rights, obligations and liabilities, along with the transfer of Personnel of the Board to the successor corporate entities.
- 2 That the APGCL is a company incorporated with the main object of generation of electricity in the state of Assam.
- 3 That the APGCL is a generating company under the provisions laid down in Section 14 Proviso 5, read with Section 131 (2) of the Electricity Act 2003.
- 4 That the KLHEP, with commercial operation of both of its units declared on 06/04/2007, is an operating hydro Power Station under the APGCL in the district of Karbi Anglong, Assam.
- 5 That the Hon'ble Commission notified the AERC (Terms and Conditions for determination of Multi Year Tariff) Regulations, 2021 on 18th September, 2021.
- 6 That as per the Hon'ble Commission's this new MYT Regulations of 2021 the licensee is filing for approval of the for Aggregate Revenue Requirement of KLHEP for the MYT Period from FY 2022-23 to FY 2024-25 and Determination of Tariff for the FY 2022-23.
- 7 .

Deponent

Place: Guwahati

Date: 29<sup>th</sup> November' 2021

  
(Mokshada Prasad Sarma)  
General Manager (HQ),  
Assam Power Generation Corporation Ltd.



## 44. Multi Year Tariff Framework for FY 2022-23 to FY 2024-25

### 44.1. Regulatory provisions for Multi-Year Tariff framework

44.1.1. The Hon'ble Commission in its Tariff regulations, 2021 has stated the following on Revised ARR for the control period from FY 2022-23 to FY 2024-25. The same is reproduced below for ready reference:

#### *"4 Multi-Year Tariff Framework*

*4.1 The Commission shall determine the tariff for matters covered under Regulation 3.3 above under a Multi-Year Tariff framework with effect from 1st April 2022.*

*4.2 The Multi-Year Tariff framework shall be based on the following elements, for calculation of*

*Aggregate Revenue Requirement and expected revenue from tariff and charges for Generating Companies, Transmission Licensee, SLDC, Distribution Wheeling Business and Retail Supply Business:*

- (xi) Before commencement of Control Period, a forecast of the Aggregate Revenue Requirement and expected revenue from existing tariff and charges shall be submitted by the applicant and approved by the Commission.*
- (xii) A detailed Capital Investment Plan for each year of the Control Period, shall be submitted by the applicant for the Commission's approval.*
- (xiii) The applicant shall submit operating norms and trajectories of performance parameters for each year of the Control Period, for the Commission's approval.*
- (xiv) The applicant shall submit the forecast of Aggregate Revenue Requirement and expected revenue from existing tariff for each year of the Control Period, and the Commission shall approve the tariff for Generating Companies, SLDC, Transmission Licensee, Distribution Wheeling Business and Retail Supply Business, for each year of the Control Period.*
- (xv) In its tariff petition, a generating company shall submit information to support the determination of tariff for each generating station"*

#### *5 Control Period and Baseline*

*5.1 The first Control Period under these Regulations shall be of three financial years from April 1st, 2022 to March 31st, 2025 and for every block of three years thereafter or such other period as may be decided by the Commission.*

*Provided that in case any generating station gets commissioned after notification of these Regulations but before commencement of the first Control Period, the Commission may determine the tariff based on the norms as specified for such generating station under these Regulations, under special case through separate Order.*

*5.2 The Commission shall determine baseline values for various financial and operational parameters of ARR for the Control Period taking into consideration the figures approved by the Commission in the past, actual average figures of last three years, audited accounts, estimate of the figures for the relevant year, Industry benchmarks/norms and other factors considered appropriate by the Commission. Provided that in case of substantial difference between the estimates earlier provided considered for determination of baseline values and the actual audited accounts, the Commission may re-determine the baseline values for the base year suo-moto or on an application filed by the Applicant.*



## 45. Norms of operations

### 45.1. Regulatory provisions

45.1.1. The Hon'ble Commission had set norms of operations under Tariff Regulations 2021.

45.1.2. The projected performance vis-a-vis norms of operations set is discussed below:

### 45.2. Snapshot of performance projection for FY 2022-23 to FY 2024-25

45.2.1. The following table shows the projection of performance parameters of hydro based Karbi Langpi Hydroelectric Project for FY 2022-23 to FY 2024-25.

Table 176: Projected Operating Performance for FY 2022-23 to FY 2024-25 of KLHEP

KLHEP	2020-21	2021-22	2022-23	2023-24	2024-25
	Actual	Estimated	Projected	Projected	Projected
Gross Energy in MU	202.62	390.00	390.00	390.00	390.00
Aux. Power Cons. (%)	0.3%	0.5%	0.5%	0.5%	0.5%
Net Energy in MU	202.05	388.05	388.05	388.05	388.05
Plant Availability Factor (%)	34.40%	90.06%	85.00%	85%	85%
Plant Load Factor (%)	23.18%	52.08%	44.50%	44.5%	44.5%

### 45.3. Normative Annual Plant Availability Factor (NAPAF)

45.3.1. As per Regulation 50.1 of the Tariff Regulations, 2021 the Normative Plant Availability factor for recovery of full fixed charges, is 85% for FY 2022-23 to FY 2024-25 for KLHEP. The actual and projected numbers are shown in the table below.

Table 154: Projected Availability for FY 2022-23 to FY 2024-25 of KLHEP

KLHEP	2020-21	2021-22	2022-23	2023-24	2024-25
	Actual	Estimated	Projected	Projected	Projected
Plant Availability Factor (%)	34.40%	90.06%	85.00%	85%	85%

### 45.4. Normative Annual Plant Load Factor (NAPLF)

45.4.1. As per Regulation 50.1 of the Tariff Regulations, 2021 the Normative Plant Load factor is 44.5% for FY 2022-23 to FY 2024-25 for KLHEP. The actual and projected numbers are shown in the table below.

Table 177: Projected PLF for FY 2022-23 to FY 2024-25 of KLHEP



KLHEP	2020-21	2021-22	2022-23	2023-24	2024-25
	Actual	Estimated	Projected	Projected	Projected
<b>Plant Load Factor (%)</b>	23.18%	52.08%	44.50%	44.5%	44.5%

## 45.5. Auxiliary Energy Consumption

45.5.1. As per Regulation 50.1 of the Tariff Regulations, 2021 the Normative Auxiliary energy consumption is 0.50% for FY 2022-23 to FY 2024-25 for KLHEP. The same has been considered for projection. The actual and projected numbers are shown in the table below.

Table 178: Projected Auxiliary energy consumption for FY 2022-23 to FY 2024-25 of KLHEP

KLHEP	2020-21	2021-22	2022-23	2023-24	2024-25
	Actual	Estimated	Projected	Projected	Projected
<b>Aux. Power Cons. (%)</b>	0.3%	0.5%	0.50%	0.50%	0.50%

45.5.2. APGCL prays to the Hon'ble Commission to approve the projection of performance parameters as shown above.

## 46. Fixed Cost of the Plant

### 46.1. Annual fixed cost for FY 2022-23 TO FY 2024-25

46.1.1. As per regulation 43.1 of the AERC Tariff regulations, 2021 the following components have been considered for projecting of fixed cost under the Multi Year Tariff framework for the power plants:

- (m) Return on Equity Capital
- (n) Interest on Loan capital
- (o) Depreciation
- (p) Operation and Maintenance Expenses
- (q) Interest on Working Capital
- (r) Less: Non-Tariff Income

46.1.2. For the computation of the fixed components, the Petitioner has considered the principles provided in the Tariff Regulations, 2021. These components have been discussed in detail in the following sections of the petition.



## 46.2. Return on Equity (ROE)

46.2.1. The Hon'ble Commission in its regulation has considered the pre-tax return on equity at 15.5% on equity capital. The Regulation 34 of the Tariff Regulations, 2021 is reproduced below for reference.

*"33 Return on Equity Capital*

*33.1 Return on equity capital shall be computed on the equity capital determined in accordance with Regulation 32*

.....

46.2.2. APGCL has projected the Return on Equity (RoE) at a rate of 15.5% in accordance with the Tariff Regulations, 2021. The Petitioner submits that there is no plan of addition in Equity in FY 2022-23 to FY 2024-25 for the existing plants. Further, it is submitted that the actual tax paid would be claimed separately during True up of respective years.

Table 179: Projected Return on Equity capital for FY 2022-23 to FY 2024-25

Rs. Cr

Station	Particulars	2020-21	2021-22	2022-23	2023-24	2024-25
		Actual	Estimated	Projected	Projected	Projected
KLHEP	Opening Equity	68.65	68.65	68.65	68.65	68.65
	Closing Equity	68.65	68.65	68.65	68.65	68.65
	Rate of Return	15.50%	15.50%	15.50%	15.50%	15.50%
	<b>Return on Equity</b>	<b>10.64</b>	<b>10.64</b>	<b>10.64</b>	<b>10.64</b>	<b>10.64</b>

46.2.3. APGCL prays to the Hon'ble Commission to approve the projected Return on Equity as shown above.





### 46.3. Interest on Loan Capital

46.3.1. As per Regulation 35 of the Tariff Regulations, 2021, the Commission will consider interest on Loan capital on normative basis with repayment equal to depreciation allowed for that year and rate of interest will be the weighted average rate of interest calculated on the basis of the actual loan portfolio at the beginning of each year.

46.3.2. In view of the above, the Petitioner has projected the Interest on long term Loan on normative basis for FY 2022-23 to FY 2024-25. The Petitioner has considered normative loan portfolio and the repayment shown is considered equal to the depreciation for FY 2022-23 to FY 2024-25. The interest rate has been considered as the weighted average rate of interest for FY 2022-23 to FY 2024-25.

46.3.3. The finance charges are shown separately for FY 2022-23 to FY 2024-25. The table below summarizes the interest on loan and finance charges considered for MYT period of FY 2022-23 to FY 2024-25.

Table 180: Projected Interest and Finance charges for FY 2022-23 to FY 2024-25

Rs. Cr

Station	Particulars	2020-21 Actual	2021-22 Estimated	2022-23 Projected	2023-24 Projected	2024-25 Projected
KLHEP	Net Normative Opening Loan	195.30	174.19	154.23	154.10	150.77
	Addition of normative loan during the year	0.03	0.29	20.65	17.95	13.10
	Normative Repayment during the year	21.14	20.26	20.78	21.28	21.64
	Net Normative Closing Loan	174.19	154.23	154.10	150.77	142.24
	Avg. Normative Loan	184.75	164.21	154.17	152.44	146.50
	Interest Rate	10.16%	10.90%	10.93%	10.85%	10.79%
	Interest on Loan Capital	18.77	17.91	16.85	16.54	15.81
	Add: Bank Charges	0.01	0.00	0.00	0.00	0.00
	<b>Net Interest on Loan Capital</b>	<b>18.78</b>	<b>17.91</b>	<b>16.85</b>	<b>16.54</b>	<b>15.81</b>

46.3.4. APGCL prays to the Hon'ble Commission to approve the projected Total interest and finance charges as shown above.

### 46.4. Depreciation

46.4.1. The Hon'ble Commission in its Tariff Regulations, 2021 has considered following principals for determination of depreciation.

*"33 Depreciation*

*33.1 The value base for the purpose of depreciation shall be the Capital Cost of the asset admitted by the Commission.*



*Provided that depreciation shall not be allowed on assets funded through Consumer contribution and Capital Subsidies/Grants.*

*33.2 The salvage value of the asset shall be considered as 10% and depreciation shall be allowed up to maximum of 90% of the capital cost of the asset.*

.....”

46.4.2. In view of the above, the Petitioner has computed the Depreciation considering the Capital Cost of the asset admitted by the Commission and projected asset addition with 10% salvage value. Also, depreciation on grants has been subtracted. The table below summarizes the Depreciation projected for FY 2022-23 to FY 2024-25.

Table 181: Projected Depreciation for FY 2022-23 to FY 2024-25 of KLHEP

Particulars	2020-21	2021-22	2022-23	2023-24	2024-25
	Actual	Estimated	Projected	Projected	Projected
Opening GFA	514.70	514.73	515.03	535.68	553.63
Addition during the year	0.03	0.29	20.65	17.95	13.10
Closing GFA	514.73	515.03	535.68	553.63	566.73
Average GFA	514.72	514.88	525.35	544.65	560.18
Rate of Depreciation	4.59%	4.40%	4.41%	4.34%	4.28%
<b>Total Depreciation</b>	<b>23.65</b>	<b>22.67</b>	<b>23.19</b>	<b>23.65</b>	<b>23.98</b>
Grant	54.66	54.66	54.66	54.66	54.66
Additions during the year	0.00	0.00	0.00	0.00	0.00
Closing grant	54.66	54.66	54.66	54.66	54.66
Average grant	54.66	54.66	54.66	54.66	54.66
Rate of Depreciation	4.59%	4.40%	4.41%	4.34%	4.28%
Depreciation on grants	2.51	2.41	2.41	2.37	2.34
<b>Net Depreciation</b>	<b>21.14</b>	<b>20.26</b>	<b>20.78</b>	<b>21.28</b>	<b>21.64</b>

Rs. Cr

Table 182: Summary of projected Depreciation for FY 2022-23 to FY 2024-25

Station	Particulars	2020-21	2021-22	2022-23	2023-24	2024-25
		Actual	Estimated	Projected	Projected	Projected
KLHEP	Depreciation	23.65	22.67	23.19	23.65	23.98
	Less: Depreciation on assets funded by Grants	2.51	2.41	2.41	2.37	2.34
	<b>Net Depreciation</b>	<b>21.14</b>	<b>20.26</b>	<b>20.78</b>	<b>21.28</b>	<b>21.64</b>

Rs. Cr

46.4.3. APGCL pray to the Hon’ble Commission to approve the projected Depreciation for FY 2022-23 to FY 2024-25 as shown above.



## 46.5. Interest on Working Capital

46.5.1. As per Regulation 36 of the Tariff Regulations, 2021, the interest on working capital will be considered on normative basis.

46.5.2. As per the above regulations, the Petitioner has projected normative interest on working capital. However, as APGCL does not have liquid fuel stock facility, it has not considered working capital on storage of liquid fuel. The rate of interest has been considered equal to the normative interest rate of three hundred (300) basis points above the average State Bank of India MCLR (One Year Tenor) prevalent during the last available six months, which  $7\% + 3.00\% = 10\%$ .

46.5.3. The interest on working capital considered is shown in the table below:

Table 183: Summary of Interest on working capital projected for FY 2022-23 to FY 2024-25

		Rs. Cr				
Station	Particulars	2020-21	2021-22	2022-23	2023-24	2024-25
		Actual	Estimated	Projected	Projected	Projected
KLHEP	O&M Expenses for one month	2.53	2.68	2.62	2.74	2.87
	Maintenance Spares-30% of O&M	9.10	9.64	9.45	9.88	10.33
	Receivables for two months	16.31	15.01	14.80	13.05	13.25
	Total Working Capital Requirement	27.94	27.33	26.88	25.67	26.45
	Rate of interest	10.00%	10.00%	10.00%	10.00%	10.00%
	<b>interest on Working capital</b>	<b>2.79</b>	<b>2.73</b>	<b>2.69</b>	<b>2.57</b>	<b>2.64</b>

46.5.4. APGCL prays to the Hon'ble Commission to approve the interest on Working capital for FY 2022-23 to FY 2024-25 as shown above.

## 46.6. Operation and Maintenance Expenses (O&M Expenses)

46.6.1. The Operation and maintenance expense are to be projected as per Regulation 51.1 of the Tariff Regulations, 2021.

46.6.2. As per the regulation shown above, the average of the approved O&M expenses for the 2 years (FY 2018-19 and FY 2019-20) and actual normative for year ending March 31, 2021 (FY 2020-21) is being considered as O&M expenses for the financial year ended March 31, 2020 (FY 2020-21). The same is shown below.

Rs. Cr



Station	FY 2018-19 Approved	FY 2019-20 Approved	FY 2020-21 Actual	Average of last 3 yrs. (FY 2019-20)
KLHEP	23.84	28.44	30.34	27.54

46.6.3. The Normative O&M expenses obtained for FY 2019-20 has been escalated at the rate equal to average of last three years CPI & WPI inflation considered in the ratio of 60:40 for the respective years to arrive at O&M expenses for FY 2020-21 to FY 2024-25 i.e 4.57%.

Average of last 3 Years FY 2019-20	2020-21 Projection	2021-22 Projection	2022-23 Projected	2023-24 Projected	2024-25 Projected
27.54	28.80	30.11	31.49	32.93	34.43

Rs. Cr

46.6.4. Further, APGCL has computed O&M expenses for MYT Control period for FY 2022-23 to FY 2024-25 at the effective capacity.

Table 184: Operation and Maintenance projected for FY 2022-23 to FY 2024-25

Station	Effective Capacity (In MW)	FY 2022-23	FY 2023-24	FY 2024-25
KLHEP	100	31.49	32.93	34.43

Rs. Cr

Table 185: Operation and Maintenance claim for FY 2022-23 to FY 2024-25

KLHEP	FY 2022-23	FY 2023-24	FY 2024-25
O&M Cost	31.49	32.93	34.43
Increase in AERC Tariff Filing Fee	0	0	0
<b>Total Claim</b>	<b>31.49</b>	<b>32.93</b>	<b>34.43</b>

46.6.5. APGCL prays to the Hon'ble Commission to approve the O&M expenses for FY 2022-23 to FY 2024-25 as shown above on effective capacity.

## 46.7. Non-Tariff income

46.7.1. As per Regulation 46 of the Tariff Regulations, 2021, the non-tariff income shall be deducted from the Annual Fixed Cost in determining the Annual Fixed Cost of the Generation Company.

46.7.2. The non-tariff income for FY 2022-23 to FY 2024-25 are projected same as estimated for FY 2021-22, the same is as shown in the table below:

Table 186: Station-wise Non-tariff income projected for FY 2022-23 to FY 2024-25

Station	2021-22	2022-23	2023-24	2024-25
	Estimated	Projected	Projected	Projected
KLHEP	5.75	5.75	5.75	5.75

Rs. Cr

46.7.3. APGCL humbly submits that the FD's created out of grants received for Lower Kopili HEP are now almost withdrawn for expenditures towards the project. The interest rate offered by banks on FD's were subsequently reduced from 5.5%-6.5% to 3.0%-3.5% post Covid 19 pandemic.

46.7.4. In view of above, the non tariff income is considered at normative approved by the Hon'ble Commission in the MYT Order for FY2020-21 and FY2021-22. APGCL will submit the actual non-tariff income for these years during True Up for each year.

46.7.5. APGCL prays to the Hon'ble Commission to approve the Non-tariff income for FY 2022-23 to FY 2024-25 as shown above.

## 46.8. Incentives

46.8.1. APGCL submits that the Incentives for FY 2022-23 to FY 2024-25 will be claimed in True-up as per Regulations.

## 47. Other expenses

### 47.1. Special R&M

47.1.1. APGCL's plans to undertake Special R&M for the following units, cost of which will be claimed as shown below.

Table 187: Expenses under Special R&M

Plant Name	Proposed amount (In In crores)		
	FY 2022-23	FY 2023-24	FY 2024-25
KLHEP	12.00	0.00	0.00

Rs. Cr



## 47.2. Capacity building

47.2.1. APGCL's plans to undertake capacity building of its employees as discussed in the capital investment plan with expenses projected as shown below.

Table 188: Expenses under Capacity building

Plant Capacity	Rs. Cr		
	2022-23	2023-24	2024-25
KLHEP	0.13	0.10	0.10

47.2.2. We submit that the detailed capacity building plan is shown as part of capital investment plan in the above section.

## 48. Summary of submissions for MYT period of FY 2022-23 to FY 2024-25

### 48.1. Summary

48.1.1. The Summary of the MYT for FY 2022-23 to FY 2024-25 for KLHEP is shown below.

Table 189: MYT for FY 2022-23 to FY 2024-25 For KLHEP

Sl. No	Particulars	Rs. Cr		
		2022-23 Projected	2023-24 Projected	2024-25 Projected
<b>I</b>	<b>POWER GENERATION (MU)</b>			
	Gross Generation	390.00	390.00	390.00
	Net Generation	388.05	388.05	388.05
	Auxiliary Consumption Loss %	0.50%	0.50%	0.50%
<b>I</b>	<b>Fixed Charges</b>			
	Operation & Maintenance Expenditure	31.49	32.93	34.43
	Interest & Finance Charges	16.85	16.54	15.81
	Interest on working Capital	2.69	2.57	2.64
	Depreciation	20.78	21.28	21.64
	Return on Equity	10.64	10.64	10.64
	Special R&M	12.00	0.00	0.00
	Capacity Building	0.13	0.10	0.10
	Less: Other Income	-5.75	-5.75	-5.75
<b>II</b>	<b>Total Fixed Charges</b>	<b>88.83</b>	<b>78.31</b>	<b>79.51</b>
<b>III</b>	<b>Fuel Cost</b>	-	-	-
<b>IV</b>	<b>Total Revenue Requirement</b>	<b>88.83</b>	<b>78.31</b>	<b>79.51</b>

## 48.2. Net Annual Revenue Requirement

48.2.1. The Net Annual Revenue Requirements for FY 2022-23 to FY 2024-25 are as shown in the tables below.

Table 190: Net Annual Revenue Requirements for KLHEP for FY 2022-23 to FY 2024-25

Particulars	2022-23	2023-24	2024-25
	Projected	Projected	Projected
Total Fixed Charge (Rs. Crore)	88.83	78.31	79.51
Fuel Cost (Rs. Crore)	-	-	-
Total Revenue Requirement (Rs. Crore)	88.83	78.31	79.51
<b>Total Per unit cost (Rs / KWh)</b>	2.29	2.02	2.05

## 48.3. Tariff for KLHEP for FY 2022-23

48.3.1. The tariff proposed for KLHEP for FY 2022-23 is as shown below

Table 191: tariff proposed for KLHEP for FY 2022-23

Particulars	KLHEP
Annual Capacity charges (Rs crore)	44.41
Energy charge rate (Rs. / kWh)	1.15

The Petitioner prays to the Hon'ble Commission to approve the Net Annual Revenue Requirement for FY 2022-23 to FY 2024-25 as discussed in the tables above.

**APPEAL FOR AGGREGATE REVENUE REQUIREMENT  
FOR FY 2022-23 to FY 2024-25 for LRPP  
&  
DETERMINATION OF TARIFF FOR FY 2022-23  
To  
ASSAM ELECTRICITY REGULATORY COMMISSION**



Prepared by  
**ASSAM POWER GENERATION CORPORATION LTD**  
Bijulee Bhawan, Paltanbazar  
Guwahati – 781 001





## AFFIDAVIT – LRPP

BEFORE THE ASSAM STATE ELECTRICITY REGULATORY  
COMMISSION, GUWAHATI.

Petition No. –

Case No.  
(to be filed by the Office)

IN THE MATTER OF

Filing of Petition for Aggregate Revenue Requirement for the FYs 2022-23, 2023-24 and  
2024-25.

AND

Petition for Determination of Tariff for the FY 2022-23

AND

IN THE MATTER OF

Lakwa Replacement Power Plant,  
Assam Power Generation Corporation Limited,  
Maibella, Charaideo,  
Saffry-785689

Petitioner

I, Sri Mokshada Prasad Sarma, Son of Sri Sarada Prasad Sarma, aged 59 years, residing at Flat  
No. 1/A1, Puberun Apartment, Ghoramara, P.O. Beltola, Guwahati-781028, do solemnly  
affirm and say as follows:

I am the General Manager (HQ) of Assam Power Generation Corporation Limited, the  
petitioner in the above matter and am duly authorized by the said Petitioner to make this  
affidavit for and on behalf of the Assam Power Generation Corporation Limited.

The Statement made in the Petition based on information received from official records and  
I believe them to reflect truly and no material has been concealed from the statements so  
made or documents or supporting data etc. attached.

Solemnly affirm at Guwahati on 29<sup>th</sup> November' 2021 that the contents of this affidavit are  
true to my knowledge, no part of it is false or no material has been concealed therefore and  
misleading material included therein.

**Deponent**



**(Mokshada Prasad Sarma)**  
**General Manager (HQ),**  
**Assam Power Generation Corporation Ltd.**

Place: Guwahati

Date: 29<sup>th</sup> November' 2021

By order of the Commission

Secretary of the Commission



## PRAYER – LRPP

BEFORE THE HON'BLE ASSAM ELECTRICITY REGULATORY COMMISSION

FILINGNO .....

CASENO.....

IN THE MATTER OF:

Petition for Submission of Aggregate Revenue Requirement for the MYT Period from FY 2022-23 to FY 2024-25 and Determination of Tariff for the FY 2022-23

AND IN THE MATTER OF:

Lakwa Replacement Power Plant (hereinafter referred to as "LRPP") of Assam Power Generation Corporation Limited (hereinafter referred to as "APGCL") incorporated under the provisions of the Companies Act, 1956 and having its registered office in the State of Assam

THE HUMBLE APPLICANT ABOVE NAMED MOST RESPECTFULLY SHEWETH:

- 1 That the APGCL is a successor corporate entity of former ASEB, formed in pursuant to the notification of the Government of Assam, notified under sub-sections (1), (2), (5), (6) and (7) of Section 131 and Section 133 of the Electricity Act 2003(Central Act 36 of 2003), for the purpose of transfer and vesting of functions, properties, interests, rights, obligations and liabilities, along with the transfer of Personnel of the Board to the successor corporate entities.
- 2 That the APGCL is a company incorporated with the main object of generation of electricity in the state of Assam.
- 3 That the APGCL is a generating company under the provisions laid down in Section 14 Proviso 5, read with Section 131 (2) of the Electricity Act 2003.
- 4 That the LRPP, commissioned on 26-04-2018, is an operating gas engine based thermal power station under the APGCL in the district of Charaideo, Assam.
- 5 That the Hon'ble Commission notified the AERC (Terms and Conditions for determination of Multi Year Tariff) Regulations, 2021 on 18th September, 2021.
- 6 That as per the Hon'ble Commission's this new MYT Regulations of 2021 the licensee is filing for approval of the for Aggregate Revenue Requirement of LRPP for the MYT Period from FY 2022-23 to FY 2024-25 and Determination of Tariff for the FY 2022-23.

Place: Guwahati

Date: 29<sup>th</sup> November' 2021

Deponent

  
(Mokshada Prasad Sarma)  
General Manager (HQ),  
Assam Power Generation Corporation Ltd.



## 49. Multi Year Tariff Framework for FY 2022-23 to FY 2024-25

### 49.1. Regulatory provisions for Multi-Year Tariff framework

49.1.1. The Hon'ble Commission in its Tariff regulations, 2021 has stated the following on Revised ARR for the control period from FY 2022-23 to FY 2024-25. The same is reproduced below for ready reference:

#### *"4 Multi-Year Tariff Framework*

*4.1 The Commission shall determine the tariff for matters covered under Regulation 3.3 above under a Multi-Year Tariff framework with effect from 1st April 2022.*

*4.2 The Multi-Year Tariff framework shall be based on the following elements, for calculation of*

*Aggregate Revenue Requirement and expected revenue from tariff and charges for Generating Companies, Transmission Licensee, SLDC, Distribution Wheeling Business and Retail Supply Business:*

- (xvi) Before commencement of Control Period, a forecast of the Aggregate Revenue Requirement and expected revenue from existing tariff and charges shall be submitted by the applicant and approved by the Commission.*
- (xvii) A detailed Capital Investment Plan for each year of the Control Period, shall be submitted by the applicant for the Commission's approval.*
- (xviii) The applicant shall submit operating norms and trajectories of performance parameters for each year of the Control Period, for the Commission's approval.*
- (xix) The applicant shall submit the forecast of Aggregate Revenue Requirement and expected revenue from existing tariff for each year of the Control Period, and the Commission shall approve the tariff for Generating Companies, SLDC, Transmission Licensee, Distribution Wheeling Business and Retail Supply Business, for each year of the Control Period.*
- (xx) In its tariff petition, a generating company shall submit information to support the determination of tariff for each generating station"*

#### *5 Control Period and Baseline*

*5.1 The first Control Period under these Regulations shall be of three financial years from April 1st, 2022 to March 31st, 2025 and for every block of three years thereafter or such other period as may be decided by the Commission.*

*Provided that in case any generating station gets commissioned after notification of these Regulations but before commencement of the first Control Period, the Commission may determine the tariff based on the norms as specified for such generating station under these Regulations, under special case through separate Order.*

*5.2 The Commission shall determine baseline values for various financial and operational parameters of ARR for the Control Period taking into consideration the figures approved by the Commission in the past, actual average figures of last three years, audited accounts, estimate of the figures for the relevant year, Industry benchmarks/norms and other factors considered appropriate by the Commission. Provided that in case of substantial difference between the estimates earlier provided considered for determination of baseline values and the actual audited accounts, the Commission may re-determine the baseline values for the base year suo-moto or on an application filed by the Applicant.*



## 50. Norms of operations

### 50.1. Regulatory provisions

50.1.1. The Hon'ble Commission had set norms of operations under Tariff Regulations 2021.

50.1.2. The projected performance vis-a-vis norms of operations set is discussed below:

### 50.2. Snapshot of performance projection for FY 2022-23 to FY 2024-25

50.2.1. The following table shows the projection of performance parameters of gas based Lakwa Replacement power station for FY 2022-23 to FY 2024-25.

Table 192: Projected Operating Performance for FY 2022-23 to FY 2024-25 of LRPP

LRPP	2020-21	2021-22	2022-23	2023-24	2024-25
	Actual	Estimated	Projected	Projected	Projected
Gross Energy in MU	477.07	519.40	519.40	519.40	519.40
Aux. Power Cons. (%)	2.03%	2.64%	3.50%	3.50%	3.50%
Net Energy in MU	467.41	505.67	501.22	501.22	501.22
Plant Availability Factor (%)	87.19%	87.71%	85.00%	85%	85%
Plant Load Factor (%)	79.27%	88.52%	90.00%	90.0%	90.0%
Gross Station Heat Rate on GCV (kcal/ kWh)	2142.89	2162.57	2150.0	2150	2150

### 50.3. Normative Annual Plant Availability Factor (NAPAF)

50.3.1. As per Regulation 48.1 of the Tariff Regulations, 2021 the Normative Plant Availability factor for recovery of full fixed charges, is 85% for FY 2022-23 to FY 2024-25 for LRPP. The actual and projected numbers are shown in the table below.

Table 193: Projected Availability for FY 2022-23 to FY 2024-25 of LRPP

LRPP	2020-21	2021-22	2022-23	2023-24	2024-25
	Actual	Estimated	Projected	Projected	Projected
Plant Availability Factor (%)	87.19%	87.71%	85.00%	85%	85%

### 50.4. Normative Annual Plant Load Factor (NAPLF)

50.4.1. As per Regulation 48.2 of the Tariff Regulations, 2021 the Normative Plant Load factor is 90% for FY 2022-23 to FY 2024-25 for LRPP. The actual and projected numbers are shown in the table below.



Table 194: Projected PLF for FY 2022-23 to FY 2024-25 of LRPP

LRPP	2020-21	2021-22	2022-23	2023-24	2024-25
	Actual	Estimated	Projected	Projected	Projected
<b>Plant Load Factor (%)</b>	79.27%	88.52%	90.00%	90.0%	90.0%

## 50.5. Gross Station Heat Rate (SHR)

50.5.1. As per Regulation 48.4, of the Tariff Regulations, 2021 the Normative Station Heat Rate, is 2150 kCal/kWh for FY 2022-23 to FY 2024-25 for LRPP in Partial combined cycle mode of operation.

50.5.2. The actual and projected numbers are shown in the table below.

Table 195: Projected SHR for FY 2022-23 to FY 2024-25 of LRPP

LRPP	2020-21	2021-22	2022-23	2023-24	2024-25
	Actual	Estimated	Projected	Projected	Projected
<b>Gross Station Heat Rate on GCV (kcal/ kWh)</b>	2142.89	2162.57	2150.0	2150	2150

## 50.6. Auxiliary Energy Consumption

50.6.1. As per Regulation 48.3 of the Tariff Regulations, 2021 the Normative Auxiliary energy consumption is 3.50% for FY 2022-23 to FY 2024-25 for LRPP. The same has been considered for projection. The actual and projected numbers are shown in the table below.

Table 196: Projected Auxiliary energy consumption for FY 2022-23 to FY 2024-25 of LRPP

LRPP	2020-21	2021-22	2022-23	2023-24	2024-25
	Actual	Estimated	Projected	Projected	Projected
<b>Aux. Power Cons. (%)</b>	2.03%	2.64%	3.50%	3.50%	3.50%

50.6.2. APGCL prays to the Hon'ble Commission to approve the projection of performance parameters as shown above.

## 51. Fixed Cost of the Plant

### 51.1. Annual fixed cost for FY 2022-23 TO FY 2024-25

51.1.1. As per regulation 43.1 of the AERC Tariff regulations, 2021 the following components have been considered for projecting of fixed cost under the Multi Year Tariff framework for the power plants:

- (s) Return on Equity Capital
- (t) Interest on Loan capital
- (u) Depreciation
- (v) Operation and Maintenance Expenses
- (w) Interest on Working Capital
- (x) Less: Non-Tariff Income

51.1.2. For the computation of the fixed components, the Petitioner has considered the principles provided in the Tariff Regulations, 2021. These components have been discussed in detail in the following sections of the petition.

### 51.2. Return on Equity (ROE)

51.2.1. The Hon'ble Commission in its regulation has considered the pre-tax return on equity at 15.5% on equity capital. The Regulation 34 of the Tariff Regulations, 2021 is reproduced below for reference.

*"33 Return on Equity Capital*

*33.1 Return on equity capital shall be computed on the equity capital determined in accordance with Regulation 32*

.....

51.2.2. APGCL has projected the Return on Equity (RoE) at a rate of 15.5% in accordance with the Tariff Regulations, 2021. The Petitioner submits that there is no plan of addition in Equity in FY 2022-23 to FY 2024-25 for the existing plants. Further, it is submitted that the actual tax paid would be claimed separately during True up of respective years.

Table 197: Projected Return on Equity capital for FY 2022-23 to FY 2024-25

Station	Particulars	Rs. Cr				
		2020-21 Actual	2021-22 Estimated	2022-23 Projected	2023-24 Projected	2024-25 Projected
LRPP	Opening Equity	15.74	15.74	15.74	15.74	15.74
	Closing Equity	15.74	15.74	15.74	15.74	15.74
	Rate of Return	15.50%	15.50%	15.50%	15.50%	15.50%
	<b>Return on Equity</b>	<b>2.44</b>	<b>2.44</b>	<b>2.44</b>	<b>2.44</b>	<b>2.44</b>



51.2.3. APGCL prays to the Hon'ble Commission to approve the projected Return on Equity as shown above.

### 51.3. Interest on Loan Capital

51.3.1. As per Regulation 35 of the Tariff Regulations, 2021, the Commission will consider interest on Loan capital on normative basis with repayment equal to depreciation allowed for that year and rate of interest will be the weighted average rate of interest calculated on the basis of the actual loan portfolio at the beginning of each year.

51.3.2. In view of the above, the Petitioner has projected the Interest on long term Loan on normative basis for FY 2022-23 to FY 2024-25. The Petitioner has considered normative loan portfolio and the repayment shown is considered equal to the depreciation for FY 2022-23 to FY 2024-25. The interest rate has been considered as the weighted average rate of interest for FY 2022-23 to FY 2024-25.

51.3.3. The finance charges are shown separately for FY 2022-23 to FY 2024-25. The table below summarizes the interest on loan and finance charges considered for MYT period of FY 2022-23 to FY 2024-25.

Table 198: Projected Interest and Finance charges for FY 2022-23 to FY 2024-25

Rs. Cr

Station	Particulars	2020-21 Actual	2021-22 Estimated	2022-23 Projected	2023-24 Projected	2024-25 Projected
LRPP	Net Normative Opening Loan	29.78	27.10	24.42	22.57	20.63
	Addition of normative loan during the year	0.00	0	0.85	0.80	0.30
	Normative Repayment during the year	2.68	2.68	2.70	2.74	2.76
	Net Normative Closing Loan	27.10	24.42	22.57	20.63	18.17
	Avg. Normative Loan	28.44	25.76	23.50	21.60	19.40
	Interest Rate	10.16%	10.90%	10.93%	10.85%	10.79%
	Interest on Loan Capital	2.89	2.81	2.57	2.34	2.09
	Add: Bank Charges	0.00	0.00	0.00	0.00	0.00
	<b>Net Interest on Loan Capital</b>	<b>2.89</b>	<b>2.81</b>	<b>2.57</b>	<b>2.34</b>	<b>2.09</b>

33.3.4 APGCL prays to the Hon'ble Commission to approve the projected Total interest and finance charges as shown above.

### 51.4. Depreciation

51.4.1. The Hon'ble Commission in its Tariff Regulations, 2021 has considered following principals for determination of depreciation.

*"33 Depreciation*



33.1 The value base for the purpose of depreciation shall be the Capital Cost of the asset admitted by the Commission.

Provided that depreciation shall not be allowed on assets funded through Consumer contribution and Capital Subsidies/Grants.

33.2 The salvage value of the asset shall be considered as 10% and depreciation shall be allowed up to maximum of 90% of the capital cost of the asset.

.....”

51.4.2. In view of the above, the Petitioner has computed the Depreciation considering the Capital Cost of the asset admitted by the Commission and projected asset addition with 10% salvage value. Also, depreciation on grants has been subtracted. The table below summarizes the Depreciation projected for FY 2022-23 to FY 2024-25.

Table 199: Projected Depreciation for FY 2022-23 to FY 2024-25 of LRPP

Rs. Cr

Particulars	2020-21	2021-22	2022-23	2023-24	2024-25
	Actual	Estimated	Projected	Projected	Projected
Opening GFA	268.41	268.41	268.41	269.26	270.06
Addition during the year	0.00	0.00	0.85	0.80	0.30
Closing GFA	268.41	268.41	269.26	270.06	270.36
Average GFA	268.41	268.41	268.83	269.66	270.21
Rate of Depreciation	5.10%	5.10%	5.10%	5.09%	5.08%
<b>Total Depreciation</b>	<b>13.70</b>	<b>13.70</b>	<b>13.72</b>	<b>13.73</b>	<b>13.74</b>
Grant	215.89	215.96	215.89	215.89	215.89
Additions during the year	0.00	0.00	0.00	0.00	0.00
Closing grant	215.89	215.96	215.89	215.89	215.89
Average grant	215.89	215.96	215.89	215.89	215.89
Rate of Depreciation	5.10%	5.10%	5.10%	5.09%	5.08%
Depreciation on grants	11.02	11.02	11.01	11.00	10.98
<b>Net Depreciation</b>	<b>2.68</b>	<b>2.68</b>	<b>2.70</b>	<b>2.74</b>	<b>2.76</b>

Table 161: Summary of projected Depreciation for FY 2022-23 to FY 2024-25

Rs. Cr

Station	Particulars	2020-21	2021-22	2022-23	2023-24	2024-25
		Actual	Estimated	Projected	Projected	Projected
LRPP	Depreciation	13.70	13.70	13.72	13.73	13.74
	Less: Depreciation on assets funded by Grants	11.02	11.02	11.01	11.00	10.98
	<b>Net Depreciation</b>	<b>2.68</b>	<b>2.68</b>	<b>2.70</b>	<b>2.74</b>	<b>2.76</b>





51.4.3. APGCL pray to the Hon'ble Commission to approve the projected Depreciation for FY 2022-23 to FY 2024-25 as shown above.

### 51.5. Interest on Working Capital

51.5.1. As per Regulation 36 of the Tariff Regulations, 2021, the interest on working capital will be considered on normative basis.

51.5.2. As per the above regulations, the Petitioner has projected normative interest on working capital. However, as APGCL does not have liquid fuel stock facility, it has not considered working capital on storage of liquid fuel. The rate of interest has been considered equal to the normative interest rate of three hundred (300) basis points above the average State Bank of India MCLR (One Year Tenor) prevalent during the last available six months, which  $7\% + 3.00\% = 10\%$ .

51.5.3. The interest on working capital considered is shown in the table below:

Table 200: Summary of Interest on working capital projected for FY 2022-23 to FY 2024-25

Station	Particulars	Rs. Cr				
		2020-21 Actual	2021-22 Estimated	2022-23 Projected	2023-24 Projected	2024-25 Projected
LRPP	Fuel Cost for one month	5.37	6.47	7.91	7.91	7.91
	O&M Expenses for one month	1.78	1.90	2.53	2.65	2.77
	Maintenance Spares-30% of O&M	6.39	6.82	9.11	9.53	9.96
	Receivables for two months	16.12	18.61	28.44	24.69	29.04
	Total Working Capital Requirement	29.66	33.80	47.99	44.77	49.68
	Rate of interest	10.00%	10.00%	10.00%	10.00%	10.00%
	<b>interest on Working capital</b>	<b>2.97</b>	<b>3.38</b>	<b>4.80</b>	<b>4.48</b>	<b>4.97</b>

51.5.4. APGCL prays to the Hon'ble Commission to approve the interest on Working capital for FY 2022-23 to FY 2024-25 as shown above.

## 51.6. Operation and Maintenance Expenses (O&M Expenses)

51.6.1. The Operation and maintenance expense are to be projected as per Regulation 51.2 of the Tariff Regulations, 2021. As per the regulation, normative rate of O&M expenses for LRPP is Rs. 43.40 Lakhs/MW/Year. Accordingly, APGCL has considered the same.

51.6.2. The Normative O&M expenses obtained for FY 2022-23 has been escalated at the rate equal to average of last three years CPI & WPI inflation considered in the ratio of 60:40 for the respective years to arrive at O&M expenses for FY 2023-24 to FY 2024-25 i.e 4.57%.

51.6.3. APGCL has computed O&M expenses for MYT Control period for FY 2022-23 to FY 2024-25 as shown below table.

Table 201: Operation and Maintenance projected for FY 2022-23 to FY 2024-25

Station	FY 2022-23	FY 2023-24	FY 2024-25
LRPP	30.27	31.66	33.10

Rs. Cr

Table 202: Operation and Maintenance claim for FY 2022-23 to FY 2024-25

Station	FY 2022-23	FY 2023-24	FY 2024-25
O&M Cost	30.27	31.66	33.10
Increase in AERC Tariff Filing Fee	0.10	0.10	0.10
<b>Total Claim</b>	<b>30.37</b>	<b>31.76</b>	<b>33.20</b>

51.6.4. APGCL prays to the Hon'ble Commission to approve the O&M expenses for FY 2022-23 to FY 2024-25 as shown above on effective capacity.

## 51.7. Non-Tariff income

51.7.1. As per Regulation 46 of the Tariff Regulations, 2021, the non-tariff income shall be deducted from the Annual Fixed Cost in determining the Annual Fixed Cost of the Generation Company.

51.7.2. The non-tariff income for FY 2022-23 to FY 2024-25 are projected same as estimated for FY 2021-22, the same is as shown in the table below:

Table 203: Station-wise Non-tariff income projected for FY 2022-23 to FY 2024-25

Station	2020-21 Estimated	2022-23 Projected	2023-24 Projected	2024-25 Projected
LRPP	0	0	0	0

Rs. Cr



51.7.3. APGCL prays to the Hon'ble Commission to approve the Non-tariff income for FY 2022-23 to FY 2024-25 as shown above.

## 52. Energy Charges

### 52.1. Fuel Price and Calorific Value

52.1.1. As per Regulation 10 of the Tariff Regulations 2021, 'Fuel Price' and 'Calorific Value of Fuel' are uncontrollable items. The projected values of 'Fuel Price' and 'Calorific Value of Fuel' are shown in the table below:

Table 204: Projected GCV and Price for FY 2022-23 to FY 2024-25

Station	FY 2022-23		FY 2023-24		FY 2024-25	
	Wt. Avg. Gross Calorific Value of Gas (kcal/SCM)	Wt. Avg. Price of Gas (Rs./1000 SCM)	Wt. Avg. Gross Calorific Value of Gas (kcal/SCM)	Wt. Avg. Price of Gas (Rs./1000 SCM)	Wt. Avg. Gross Calorific Value of Gas (kcal/SCM)	Wt. Avg. Price of Gas (Rs./1000 SCM)
LRPP	9,338	7,937	9,338	7,939	9,338	7,940

52.1.2. The Petitioner prays to the Hon'ble Commission to approve the projected Price of Gas and GCV for LRPP for FY 2022-23 to FY 2024-25 as shown in the table above.

### 52.2. Fuel cost

52.2.1. The table below shows the projected fuel cost for FY 2022-23 to FY 2024-25.

Table 205: Fuel cost for LRPP for FY 2022-23 to FY 2024-25

Particulars	Derivation	Unit	2022-23	2023-24	2024-25
			Projected	Projected	Projected
Gross Generation	A	MU	519.40	519.40	519.40
Heat Rate	B	kcal/kWh	2150	2150	2150
GCV of gas	C	kcal/SCM	9338	9338	9338
Overall Heat	D=AxB	G. cal.	1116701	1116701	1116701
Gas consumption	E=D/C	M. SCM	119.59	119.59	119.59
Price of Gas	F	Rs./1000 SCM	7937.08	7938.66	7940.29
Total cost of Gas	G=ExF/10000	Rs. Crore	94.92	94.94	94.96



52.2.2. The Petitioner prays to the Hon'ble Commission to approve the projected Fuel cost Price for LRPP for FY 2022-23 to FY 2024-25 as shown in the table above.

### 52.3. Incentives

52.3.1. APGCL submits that the Incentives for FY 2022-23 to FY 2024-25 will be claimed in True-up as per Regulations.

## 53. Other expenses

### 53.1. Special R&M

53.1.1. APGCL's plans to undertake Special R&M for the following units, cost of which will be claimed as shown below.

Table 206: Expenses under Special R&M

Plant Name	Proposed amount (In In crores)		
	FY 2022-23	FY 2023-24	FY 2024-25
LRPP	32.72	9.37	33.75

Rs. Cr

### 53.2. Capacity building

53.2.1. APGCL's plans to undertake capacity building of its employees as discussed in the capital investment plan with expenses projected as shown below.

Table 207: Expenses under Capacity building

Plant Capacity	2022-23	2023-24	2024-25
LRPP	0.09	0.07	0.07

Rs. Cr

53.2.2. We submit that the detailed capacity building plan is shown as part of capital investment plan in the above section.

## 54. Summary of submissions for MYT period of FY 2022-23 to FY 2024-25

### 54.1. Summary

54.1.1. The Summary of the MYT for FY 2022-23 to FY 2024-25 for LRPP is shown below.

Table 208: MYT for FY 2022-23 to FY 2024-25 For LRPP



Rs. Cr

Sl. No	Particulars	2022-23	2023-24	2024-25
		Projected	Projected	Projected
<b>I</b>	<b>POWER GENERATION (MU)</b>			
	Gross Generation	519.40	519.40	519.40
	Net Generation	501.22	501.22	501.22
	Auxiliary Consumption Loss %	3.50%	3.50%	3.50%
<b>I</b>	<b>Fixed Charges</b>			
	Operation & Maintenance Expenditure	30.37	31.76	33.20
	Interest & Finance Charges	2.57	2.34	2.09
	Interest on working Capital	4.80	4.48	4.97
	Depreciation	2.70	2.74	2.76
	Return on Equity	2.44	2.44	2.44
	Special R&M	32.72	9.37	33.75
	Capacity Building	0.09	0.07	0.07
	Less: Other Income	0.00	0.00	0.00
<b>II</b>	<b>Total Fixed Charges</b>	<b>75.69</b>	<b>53.19</b>	<b>79.28</b>
<b>III</b>	<b>Fuel Cost</b>	<b>94.92</b>	<b>94.94</b>	<b>94.96</b>
<b>IV</b>	<b>Total Revenue Requirement</b>	<b>170.61</b>	<b>148.13</b>	<b>174.24</b>

## 54.2. Net Annual Revenue Requirement

54.2.1. The Net Annual Revenue Requirements for FY 2022-23 to FY 2024-25 are as shown in the tables below.

Table 209: Net Annual Revenue Requirements for LRPP for FY 2022-23 to FY 2024-25

Rs. Cr

Particulars	2022-23	2023-24	2024-25
	Projected	Projected	Projected
Total Fixed Charges	<b>75.69</b>	<b>53.19</b>	<b>79.28</b>
Fuel Cost	94.92	94.94	94.96
Total Revenue Requirement	<b>170.61</b>	<b>148.13</b>	<b>174.24</b>
<b>Total Per unit cost</b>	<b>3.40</b>	<b>2.96</b>	<b>3.48</b>

## 54.3. Tariff for LRPP for FY 2022-23

54.3.1. The tariff proposed for LRPP for FY 2022-23 is as shown below

Table 210: tariff proposed for LRPP for FY 2022-23

Particulars	LRPP
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Annual fixed charges (Rs crore)	75.69
Monthly fixed charges (Rs crore)	6.31
Energy charge rate (Rs. / kWh)	1.89

54.3.2. The Petitioner prays to the Hon'ble Commission to approve the Net Annual Revenue Requirement for FY 2022-23 to FY 2024-25 as discussed in the tables above.



## 55. Directives

### 55.1. Compliance of Directives issued in the Tariff Order for 2021-22

55.1.1. We submit that the update on the compliance directives issued in the Tariff order for FY 2021-22 for Quarter 1 has already been submitted to the Hon'ble Commission.

<b>Compliance of Directives issued in the Tariff Order for 2021-22</b>	
<b>AERC Directive</b>	<b>Status as on 31<sup>st</sup> October 2021</b>
<p>Directive 1: Procurement of gas</p> <p>APGCL should continue to pursue with its gas suppliers/ transporter to obtain the contracted quantum of gas on a regular basis and explore all viable sources to get additional allotments to overcome the generation problem.</p> <p>Further, APGCL should claim compensation, in case the Minimum Guaranteed Quantity (MGQ) and Quality are not met by Gas Supplier/Gas Transporter.</p>	<p>APGCL is running shortage of gas supply at an average of 28% for LTPS and 45 % for NTPS during last three financial years. Considering the pattern of supply of gas in last three years, the total additional gas requirement for running both the units (Old &amp; New) of NTPS, NRPP, LTPS and LRPP is 0.66 MMSCMD.</p> <p>APGCL participated in the forward auction of HOEC which was held on 24.06.2021 for a quantum of gas 0.66 MMSCMD on fall back basis which can be used for both NTPS and LTPS for maximizing generation whenever gas supply is less from OIL/ONGC. APGCL stood as H4 bidder at variable premium of USD 0.43/MMBTU. A Direct contract with HOEC (on behalf of Dirok JV) is mandatory for supply of Dirok Gas and it will be signed shortly.</p> <p>Correspondence were made both with OIL and GAIL for enhancement of Gas Supply at least to the MGQ level at LTPS/NTPS to enable us to generate at full load in both LTPS and LRPP thereby reaching the generation at optimum level.</p> <p>Oil India limited has declared Force Majeure due to Baghjaan issue occurred on 27th May'2020 and hence gas supply is less.</p> <p>Gas supply from GAIL is less due to production has decreased and decline in production due to aging of fields is an established phenomenon in oil &amp; gas Industries.</p>
<p>Directive 2 – Capacity Building</p> <p>The Commission directs APGCL to complete the recruitment process within the MYT Control Period, in line with the manpower planning study conducted for all 3</p>	<p>Please refer to Annex-A</p>



<b>Compliance of Directives issued in the Tariff Order for 2021-22</b>	
<b>AERC Directive</b>	<b>Status as on 31<sup>st</sup> October 2021</b>
<p>Companies. APGCL should submit the Report on manpower planning study within 1 month of issue of this Order.</p> <p>APGCL should submit the training calendar for its employees for FY 2021-22, duly approved by its Board, within 2 months of issue of this Order.</p>	
<p><b>Directive 3 – Preventive Maintenance</b></p> <p>For reduction of auxiliary consumption and proper maintenance of the generation turbines and power plants, an appropriate mechanism of maintenance of these turbines and power plants is necessary. While outsourcing of manpower for maintenance of the power plants may be necessary from time to time, however, the Company should develop expertise among its own ground level technical persons.</p> <p>The Commission directs APGCL to take measures to develop its own dedicated Maintenance Teams so as to facilitate preventive and scheduled maintenance of the turbines/plants on time. APDCL should also plan proper training programmes for these Maintenance Teams as part of the Training Calendar to be submitted within 2 months of issue of this Order.</p> <p>APGCL should consider incorporation of the Preventive Maintenance Module, as part of the ongoing ERP implementation, by acquiring the online data acquisition software/hardware, to ensure the required machine health. APGCL should submit its Report in this regard within 2 months of issue of this Order.</p>	<p>Most of the senior employees of APGCL got retired and APGCL has been recruiting fresh employees time to time. To continue the routine maintenance works APGCL sometimes has to engage contractual manpower so that there is no lapse in the regular works of APGCL. Further, in case of specialised works APGCL takes the help of expert agencies so that works are completed efficiently and effectively on time as well as to train up the fresh employees.</p> <p>Preventive maintenance of equipments is part of the O&amp;M module as per the OEM guidelines in the ongoing ERP implementation. At present ERP implementation work is ongoing and Expected date of Go-Live March, 2022.</p>
<p><b>Directive 4 – Special R&amp;M</b></p> <p>APGCL should carry out Special R&amp;M within the approved period and for the station/unit for which the expense has been approved.</p> <p>In case of any change in Special R&amp;M Plan, the same has to be brought to the notice of the Commission for approval, failing which,</p>	<p>Work Order for overhauling of KLHEP Unit-2 has already been placed. Work will be completed by the end of March 2022.</p> <p>Preparation of work order for overhauling of LTPS Gas turbine Unit-7, P/H-II is under process and will be completed by the end of March, 2022.</p>





<b>Compliance of Directives issued in the Tariff Order for 2021-22</b>	
<b>AERC Directive</b>	<b>Status as on 31<sup>st</sup> October 2021</b>
the same shall not be allowed as expenditure in the subsequent year.	Preparation of work order for overhauling Gas Compressor No. 7 of LTPS is under process and will be completed by the end of March, 2022.
<p>Directive 5 – Coordination Committee</p> <p>It has been observed by the Commission that there are common issues relating to power generation, transmission, and distribution, which have been adversely affecting power supply to consumers and which can be resolved by effective coordination between the three Companies namely, APGCL, AEGCL and APDCL.</p> <p>The Commission, therefore, directs that a Coordination Committee be constituted consisting of senior Officers from APGCL, AEGCL, SLDC and APDCL for settlement of matters of common interests relevant to generation, evacuation of power and supply to consumers. The Committee shall be headed by the CGM, SLDC. This Coordination Committee shall meet as often as required, but at least once in every quarter of each year. The Minutes of Meeting of each Coordination Committee meeting shall be submitted to the Commission within 15 days of such meeting. The Commission directs that the Committee is to be constituted within 3 months of issue of this Order, and a report regarding its constitution shall be submitted to the Commission within 3 months of issue of this Order.</p> <p>APGCL is directed to submit the status of compliance of above Directives to the Commission at the end of each quarter. The Commission will review the status in the month following the end of the quarter.</p>	<p>A co-ordination committee has been constituted among AEGCL, APGCL, SLDC and APDCL headed by Chief General Manager (SLDC), on 12.03.2021. But due to Covid-19 pandemic situation the co-ordination committee meeting couldn't be held till now.</p>

**Manpower Planning and Recruitment Status as on 30.06.2021 in APGCL**

The total sanctioned post of APGCL is 977 nos. as per the approval in the Board of Directors APGCL meeting held on 7<sup>th</sup> June'2021. Out of which the total strength of Manpower in APGCL as on 30<sup>th</sup> June 2021 was 778 nos. It is worth mentioning that 60 nos. of vacancies has been/will be occurred due to retirement and death of the employees in the Year 2021.

In view of the above, APGCL has initiated the following recruitment process:

- 1) Recruitment of Asstt. Manager, Junior Manager and Asstt. Accounts Officer has been initiated by APGCL and the appointment letters were distributed on 26<sup>th</sup> February'2021(forenoon). Total no. of posts as advertised is detailed below:

<b>Name of the post</b>	<b>Requirement</b>
Asstt. Manager(Electrical)	5 nos.
Asstt. Manager(Mechanical)	5 nos.
Asstt. Manager(HR)	2 nos.
Junior Manager(Electrical)	5 nos.
Junior Manager(Mechanical)	5 nos.
Junior Manager (IT)	2 nos.
Assistant Accounts Officer	2 nos.
<b>Total</b>	<b>26 nos.</b>

Accordingly, 18(eighteen) nos. of appointees have joined in different establishments under APGCL in the month of March'2021.

- 2) Recruitment for **48 nos.** of post of Sahayak (Experienced) in APGCL has been initiated and the results were declared on 26<sup>th</sup> February'2021. Accordingly 35 (thirty five) nos. of appointees have joined in different establishments under APGCL in the month of May'2021.
- 3) Recruitment for **5 nos.** of Laboratory Assistant, **5 nos.** of ANM/GNM and **1 no.** of AM (Law) in APGCL has been initiated and the OMR based written examination was held on 21<sup>st</sup> February 2021. OMR Based Results of the same was declared on 09/06/2021.

## List of Annexure

<b>I. No.</b>	<b>Particulars</b>	<b>Annexure(s)</b>
1.	Additional Submission for True Up for FY 2020-21, APR for FY 2021-22 and MYT for FY 2022-23 to FY 2024-25	Annexure 1
2.	Annual accounts for FY 2020-21	Annexure 2
3.	Statutory auditor report for FY 2020-21	Annexure 3
4.	SLDC certificate for FY 2020-21	Annexure 4
5.	NTPS – Loss due to Grid Constraints Certificate for FY2020-21	Annexure 5
6.	PFC Loan details for FY 2020-21	Annexure 6
7.	GOA Loan details for FY 2020-21 and FY 2021-22	Annexure 7
8.	SLDC certificate for FY 2021-22	Annexure 8
9.	PFC Loan details for FY 2021-22	Annexure 9
10.	Regulatory Formats	Annexure 10

**Annexure 1 - Additional Submission for True  
Up for FY 2020-21, APR for FY 2021-22 and  
MYT for FY 2022-23 to FY 2024-25**

### **Additional Submissions to AERC**

SI. No.	Additional Submission						
A.	General						
1.	Reconciliation Statement reflecting Generating station-wise expenses submitted in the Petition vis-à-vis expenses in the Audited Accounts of APGCL for FY 2021-22, in the following format:						
Submission							
APGCL humbly submits the following:							
<b>All Figures in Rs. Crores</b>							
Particulars	NTPS	LTPS	KLHEP	LRPP	Total APGCL (as claimed)	Total APGCL (as per Accounts)	Remarks (reasons for difference/ deviation in numbers, if any)
Employee Expenses	We have claimed Normative O&M expenses for FY2020-21					147.29	<ul style="list-style-type: none"> <li>Refer Table 34 in True Up Petition</li> </ul>
A&G Expenses							
R&M Expenses							
Interest and finance charges	0.10	0.18	18.78	2.89	21.95	83.89	<ul style="list-style-type: none"> <li>Interest and finance charges in the petition is claimed based on normative opening balance, normative repayment, which is different than the actual values in the accounts</li> </ul>
Depreciation	1.45	11.45	21.14	2.68	36.72	56.80	<ul style="list-style-type: none"> <li>The depreciation for MSHEP of Rs. 4.66 Cr has not been claimed in this petition and shall be claimed in petition for MSHEP.</li> <li>The depreciation for Amguri of Rs. 0.03 Cr has not been claimed in this petition.</li> <li>In the petition the depreciation on grants amounting to Rs. 15.39 Cr has been subtracted for individual plants, which is not subtracted in the annual accounts.</li> </ul>
Cost of Material (Fuel)	43.88	69.97	0.00	64.45	178.29	178.29	No Deviation
Cost of Material (Other)	0.00	0.00	0.00	0.00	0.00		<ul style="list-style-type: none"> <li>Not Applicable</li> </ul>

Sl. No.	Additional Submission						
Prior Period expenses	0.00	0.00	0.00	0.00	0.00		<ul style="list-style-type: none"> <li>Not Applicable</li> </ul>
Opening GFA	188.74	485.87	514.70	268.41	1457.71	1572.09	<ul style="list-style-type: none"> <li>In the annual accounts, the GFA for other plants such as CTPS (Rs. 4.52 Crores), MSHEP (Rs. 108.84 Crores) and Amguri (Rs. 1.02 Crore) has also been considered. However, in the petition, the same has not been shown.</li> </ul>
Opening CWIP	0.00	0.00	0.00	0.00	0.00	1243.81	<ul style="list-style-type: none"> <li>Rs. 1243.81 Cr is not for NTPS, LTPS, LRPP and KLHEP. These works are for yet to be commissioned projects.</li> </ul>
Closing GFA	190.39	500.60	514.73	268.41	1474.13	1606.48	<ul style="list-style-type: none"> <li>In the annual accounts, the GFA for other plants such as CTPS (Rs. 4.52 Crores) and MSHEP (Rs. 109.80 Crores) and Amguri (Rs. 18.03 Crore) has also been considered. However, in the petition, the same has not been shown.</li> </ul>
Closing CWIP	0.00	0.00	0.00	0.00	0.00	1353.86	<ul style="list-style-type: none"> <li>This is not for NTPS, LTPS, LRPP and KLHEP. These works are for yet to be commissioned projects</li> </ul>
Opening Loan balance	0.77	0.00	195.30	29.78	225.85	1001.51	<ul style="list-style-type: none"> <li>Interest and finance charges in the petition is claimed based on normative opening balance, normative repayment, which is different than the actual values in the accounts.</li> <li>The actual loans in the accounts are for the existing as well as for the under construction projects.</li> </ul>
Addition to Loan	1.65	14.73	0.03	0.00	16.41	37.56	
Closing Loan Balance	0.96	3.29	174.19	26.91	205.35	994.11	
Opening Equity balance	55.00	143.08	68.65	15.74	282.47	455.86	<ul style="list-style-type: none"> <li>At the time of transfer scheme, Rs. 455.86 Cr was allocated as equity to APGCL.</li> <li>This includes equity for NTPS, LTPS, KLHEP and also other projects.</li> </ul>
Addition to Equity	0.00	0.00	0.00	0.00	0.00	0.00	
Closing Equity balance	55.00	143.08	68.65	15.74	282.47	455.86	
Opening Grants	13.16	65.50	54.66	215.89	349.21	1030.69	<ul style="list-style-type: none"> <li>The grants are for NTPS, LTPS, KLHEP and other projects.</li> <li>The addition in grants is for other projects and not for NTPS, LTPS, KLHEP</li> </ul>
Addition to Grant	0.00	0.00	0.00	0.00	0.00	294.17	
Closing Grant	13.16	65.50	54.66	215.89	349.21	1324.86	

Sl. No.		Additional Submission					
Revenue from Operations	58.78	145.53	42.84	98.70	345.85	352.62	<ul style="list-style-type: none"> <li>APGCL has not considered the Revenue of MSHEP (Rs. 6.8 Crores) in the Petition.</li> <li>Please refer to Section 5.4 of the Petition for the breakup of the Revenue from Sale of Power.</li> </ul>
Other Income	8.54	17.38	10.07	0.00	35.99	87.71	<ul style="list-style-type: none"> <li>As per audited accounts for FY 2020-21, Total other income appeared as 87.71 Crore. But, due to written off amount of sundry credit balances relating to GPF liabilities and provision for liabilities for expenses of Rs. 51.72 Crore, APGCL has claimed 35.99 crore for FY 2020-21 as other Income.</li> <li>Disclosure of the same is given at Note 42 of the Annual Accounts for FY2020-21 (Annexure 2)</li> </ul>
2.		<b>Submission of Gross Fixed Assets and Accumulated depreciation for FY 2020-21 to FY 2021-22, for each Unit of NTPS and LTPS, which have been retired or proposed to be retired during FY 2020-21, FY 2021-22 and FY 2022-25.</b>					
<b>Submission</b>							
<b>LTPS</b>							
<ul style="list-style-type: none"> <li>APGCL submits no units of LTPS were retired in FY 2020-21. Further no units are proposed to be retired in FY2021-22 and FY2022-25                             <ul style="list-style-type: none"> <li>The Board of Directors vide 63<sup>rd</sup> meeting dated 30/09/16, 67<sup>th</sup> meeting dated 08/09/17 &amp; 71<sup>st</sup> meeting dated 16/05/18 approved the decommissioning of U#1, U#4, U#2 &amp; 3 respectively.</li> <li>However the Board vide 68<sup>th</sup> meeting dated 14/12/17 and 72<sup>nd</sup> meeting dated 13/07/18 approved for dismantling and disposal off as scrap for units of U#1 &amp; 4, U#2 &amp; 3 respectively after assessment of the value of scrap by a Govt. registered valuer.</li> <li>The value of Scrap as done by the approved valuer is Rs. 5.25 Crore for U2 and U3.</li> <li>The tender for disposal of the scrap was floated with the last date of submission of bids being 22.01.2020. However it was scrapped due to no bidder participation. After re-evaluation of the scrap, a fresh tender is expected to be issued in due course of time.</li> </ul> </li> <li>We further submit that the GFA of LTPS of unit 1, 2, 3 and 4 is Rs. 35.90 Cr with an accumulated depreciation of Rs. 32.27 Cr and with proportionate equity of Rs 27.54 Cr.</li> <li>As can be seen above, the above units have already been depreciated upto 90% of their GFA, hence no impact in depreciation has been considered for depreciation in FY 2020-21, FY2021-22 and FY2022-25.</li> <li><b>Further, APGCL humbly submits that entire depreciation of LTPS claimed in True Up is at par with the depreciation charged in the Annual Accounts and any depreciation on decommissioned / retired units does not form part of the depreciation charged in the Annual Accounts. Hence, the depreciation claimed is already at the effective capacity and further reduction of depreciation citing effective capacity is not justifiable. We humbly pray to the Hon'ble Commission to consider the same while approving True Up claim for depreciation and allow full recovery of the depreciation charged after reduction of depreciation on grants only and not further reduce the depreciation citing effective capacity.</b></li> </ul>							

Sl. No.	Additional Submission																																								
	<ul style="list-style-type: none"> <li>Interest has been calculated on normative basis for all these units. APGCL has claimed the normative interest without considering any effective capacity</li> <li>Return on Equity has been calculated on normative basis for all these units. APGCL has claimed the normative return on equity without considering any effective capacity</li> </ul> <p><b>NTPS</b></p> <ul style="list-style-type: none"> <li>The Board of Directors approved the decommissioning of NTPS Unit 1 vide 67<sup>th</sup> meeting dated 08/09/17.</li> <li>Unit 4 and Unit 5 were decommissioned in FY2020-21 w.e.f. 20<sup>th</sup> August 2020 vide CEA Letter (already submitted to Hon'ble Commission during last financial year as part of Petition of APR of FY2020-21)</li> <li>GFA, Accumulated Depreciation and Equity of NTPS of all the units are proportionately shown below (as on 31<sup>st</sup> March 2021)</li> </ul> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Unit</th> <th>Capacity MW</th> <th>GFA</th> <th>Acc. Depreciation Value Cr.</th> <th>Equity</th> </tr> </thead> <tbody> <tr> <td>Unit 1</td> <td>20</td> <td>31.9</td> <td>28.7</td> <td>9.2</td> </tr> <tr> <td>Unit 2</td> <td>21</td> <td>33.5</td> <td>21.7</td> <td>9.7</td> </tr> <tr> <td>Unit 3</td> <td>21</td> <td>33.5</td> <td>21.7</td> <td>9.7</td> </tr> <tr> <td>Unit 4</td> <td>11</td> <td>17.5</td> <td>15.8</td> <td>5.1</td> </tr> <tr> <td>Unit 5</td> <td>24</td> <td>38.2</td> <td>34.4</td> <td>11.0</td> </tr> <tr> <td>Unit 6</td> <td>22.5</td> <td>35.8</td> <td>23.3</td> <td>10.4</td> </tr> <tr> <td></td> <td><b>119.5</b></td> <td><b>190.39</b></td> <td><b>145.63</b></td> <td><b>55</b></td> </tr> </tbody> </table> <ul style="list-style-type: none"> <li>Interest has been calculated on normative basis for all these units. APGCL has claimed the normative interest without considering any effective capacity</li> <li>Return on Equity has been calculated on normative basis for all these units. APGCL has claimed the normative return on equity without considering any effective capacity</li> </ul>	Unit	Capacity MW	GFA	Acc. Depreciation Value Cr.	Equity	Unit 1	20	31.9	28.7	9.2	Unit 2	21	33.5	21.7	9.7	Unit 3	21	33.5	21.7	9.7	Unit 4	11	17.5	15.8	5.1	Unit 5	24	38.2	34.4	11.0	Unit 6	22.5	35.8	23.3	10.4		<b>119.5</b>	<b>190.39</b>	<b>145.63</b>	<b>55</b>
Unit	Capacity MW	GFA	Acc. Depreciation Value Cr.	Equity																																					
Unit 1	20	31.9	28.7	9.2																																					
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	<b>119.5</b>	<b>190.39</b>	<b>145.63</b>	<b>55</b>																																					
<b>3.</b>	<b>Submission of workable excel formats for NTPS, LTPS, KLHEP and LRPP with all relevant computations having linkages in the same file.</b>																																								
<b>Submission</b>																																									
<p>APGCL humbly submits that it has submitted the Workable Excel Formats for True Up for FY2020-21, APR for FY2021-22 and MYT for FY2023-25 as part of the submission of its Petition Word Document with Annexures in the following excel sheets namely:</p>																																									



Sl. No.	Additional Submission											
	a) True Up – True Up – 20-21_vfinal.xlsx b) APR – 21-22_vfinal.xlsx c) MYT 2023-25_vfinal.xlsx  These sheets were used for linkages in the AERC Formats Excel for each power plant i.e. NTPS, LTPS, KLHEP and LRPP.											
<b>B.</b>	<b>Truing Up of FY2020-21</b>											
<b>4.</b>	<b>Regarding the Gas availability during FY 2020-21, APGCL submits the following:</b>											
	a) <b>Source-wise month-wise projected Gas Availability vis-à-vis actual Gas Availability for each month of FY 2020-21</b> b) <b>Generation lost (in MU) on account of lower availability of gas during the year</b>											
<b>Submission</b>												
APGCL humbly submits the following:												
<b>a) Source-wise month-wise projected Gas Availability vis-à-vis actual Gas Availability for each month of FY 2020-21 (In MMSCMD)</b>												
LTPS + LRPP												
<b>GAIL</b>	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21
Projected Availability	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Actual Gas Availability	0.22	0.20	0.23	0.24	0.23	0.22	0.22	0.23	0.25	0.22	0.22	0.22
LTPS + LRPP												
<b>OIL</b>	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21
Projected Availability	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Actual Gas Availability	0.3	0.4	0.40	0.4	0.3	0.4	0.4	0.3	0.4	0.5	0.5	0.5
NTPS+NRPP												
<b>OIL</b>	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21
Projected Availability	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
Actual Gas Availability	0.34	0.49	0.33	0.22	0.19	0.21	0.33	0.31	0.37	0.37	0.37	0.37

Sl. No.	Additional Submission													
d) <b>Generation lost (in MU) on account of lower availability of gas during the year</b>														
APGCL humbly submits the following:														
<b>GENERATION LOSS DUE TO LOW GAS SUPPLY FOR THE YEAR 2020-21 - in Million Units</b>														
Station	April (MU)	May (MU)	June (MU)	July (MU)	August (MU)	September (MU)	October (MU)	November (MU)	December (MU)	January (MU)	February (MU)			
<b>NTPS</b>	0.038	2.978	0.759	13.984	4.448	13.511	2.2635	5.655	4.5055	3.351	1.549			
<b>5.</b>	<b>Submission of Actual gross generation and gross station heat rate for NTPS and LTPS and computation of weighted average SHR for FY 2020-21 in the following format:</b>													
<b>Submission</b>														
APGCL humbly submits the following:														
The actual gross generation and SHR in the table below is based on the operating model of Namrup wherein Unit 2 & 3 of the Namrup Station feeds into Unit 6 thus making it a closed cycle unit while the Units 4 & 5 of Namrup operate in Open Cycle mode.														
<b>Summary</b>														
NTPS	Units	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	TOTAL
<b>Open Cycle Generation</b>	<b>MU</b>	16.5	8.9	16.9	11.3	9.6	11.0	17.1	15.8	20.1	20.9	18.3	19.9	186.4
<b>Closed Cycle Generation</b>		3.9	1.7	1.3	3.1	2.4	2.2	4.8	3.1	5.5	5.8	5.3	5.6	44.7
<b>Total Generation</b>		<b>20.4</b>	<b>10.7</b>	<b>18.2</b>	<b>14.4</b>	<b>12.1</b>	<b>13.3</b>	<b>21.8</b>	<b>18.9</b>	<b>25.6</b>	<b>26.7</b>	<b>23.6</b>	<b>25.5</b>	<b>231.1</b>
<b>SHR Open Cycle</b>	<b>Kcal / kWh</b>	<b>5665</b>	<b>5753</b>	<b>5346</b>	<b>5520</b>	<b>5480</b>	<b>5228</b>	<b>5456</b>	<b>5434</b>	<b>5208</b>	<b>5080</b>	<b>5174</b>	<b>5289</b>	<b>5354</b>
<b>SHR Closed Cycle</b>		<b>4588</b>	<b>4824</b>	<b>4956</b>	<b>4347</b>	<b>4368</b>	<b>4348</b>	<b>4268</b>	<b>4543</b>	<b>4098</b>	<b>3980</b>	<b>4017</b>	<b>4122</b>	<b>4320</b>
In case of LTPS, the actual Generation and Gross Station Heat Rate is based on the operating model of LTPS the waste gas output of Gas Turbine of Unit 5, 6, 7 which are run optimally based on gas availability feed into the WHRB Unit 8 for closed cycle mode operations.														
<b>Summary</b>														
LTPS	Units	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	TOTAL
<b>Open Cycle Generation</b>	<b>MU</b>	13.7	19.6	23.2	26.7	18.6	22.4	28.1	24.3	27.9	35.5	30.8	34.1	304.8
<b>Closed Cycle Generation</b>		6.0	9.1	11.3	13.5	8.6	10.9	14.3	12.5	11.8	17.3	13.5	13.9	142.8

Sl. No.		Additional Submission													
<b>Total Generation</b>			<b>19.7</b>	<b>28.7</b>	<b>34.5</b>	<b>40.2</b>	<b>27.2</b>	<b>33.3</b>	<b>42.4</b>	<b>36.8</b>	<b>39.7</b>	<b>52.8</b>	<b>44.3</b>	<b>48.0</b>	<b>447.6</b>
<b>SHR Open Cycle</b>		<b>Kcal /</b>	<b>4035</b>	<b>3854</b>	<b>3746</b>	<b>4192</b>	<b>4140</b>	<b>4487</b>	<b>3697</b>	<b>3432</b>	<b>3227</b>	<b>3394</b>	<b>3363</b>	<b>3265</b>	<b>3674</b>
<b>SHR Closed Cycle</b>		<b>kWh</b>	<b>2807</b>	<b>2629</b>	<b>2516</b>	<b>2787</b>	<b>2831</b>	<b>3014</b>	<b>2452</b>	<b>2267</b>	<b>2267</b>	<b>2282</b>	<b>2337</b>	<b>2316</b>	<b>2502</b>
6.	<b>Computation of actual interest rate on actual station-wise loans for FY 2020-21, in accordance with the AERC MYT Regulations, 2018.</b>														
<b>Submission</b>															
APGCL humbly submits that it is submitting the computation of actual interest rate on actual station-wise loans for FY 2020-21, in accordance with the AERC MYT Regulations, 2018.in the below file:															
a) True Up – 20-21_vfinal.xlsx – Refer Sheet <i>Int on Loan</i> (“Columns H to AN”)															
7.	<b>Station-wise Fixed Cost for effective capacity for FY 2020-21 in MS Excel with all linkages.</b>														
<b>Submission</b>															
APGCL humbly submits that since the units were not retired (and only decommissioned), it has not been decapitalized in the Annual Accounts of FY2020-21. Hence APGCL prays to the Hon’ble Commission to allow fixed cost recovery considering the total installed capacity for FY2020-21															
8.	<b>Regarding the computation of Interest on Working Capital, the rationale for consideration of actual fuel cost rather than normative fuel cost.</b>														
<b>Submission</b>															
The interest on working capital for the operating power station requires consideration of the actual working capital required for O&M expenses, maintenance spares, and operating fuel costs for 1 month based on operation model, fuel type and receivables life cycle from the distribution company i.e. the buyer. Based on the guidelines of the AERC Regulations 2018 and factoring in the operational implications of running the units with actual operating heat rates, APGCL has claimed the interest on working capital on the basis of as they have been incurred at the various stations on actual basis. APGCL prays to the Hon’ble Commission to duly consider the working capital claimed on actual basis giving due consideration to the operating conditions of APGCL.															
Further the fuel cost (natural gas cost) for APGCL is determined as per Government of India’s pricing policy. Thus, APGCL has no control over the pricing of natural gas to run its power plant.															
APGCL humbly prays to the Hon’ble Commission to consider the above and allow actual fuel cost in the computation of interest of working capital.															
9.	<b>Regarding O&amp;M Expenses, APGCL submits the following:</b>														
a) <b>Computation of Sharing of efficiency gains or losses on account of O&amp;M Expenses for FY 2020-21 in accordance with AERC (Terms and Conditions for determination of Multi-Year Tariff) Regulations, 2018</b>															

Sl. No.	Additional Submission																												
	<p><b>b) Rationale for claiming O&amp;M Expenses</b></p> <p style="text-align: center;"><b>Submission</b></p> <p>a) APGCL humbly submits that it has claimed O&amp;M expenses at Normative rate for FY2020-21. Thus, no sharing of gains &amp; losses are attributable for the said period.</p> <p><b>b) Rationale for claiming O&amp;M Expenses</b></p> <p>APGCL humble submits that it had claimed the normative O&amp;M cost for all its units for the FY2020-21, FY2021-22 and FY2023-25. The workable excel sheets to be referred are:</p> <p>d) True Up – True Up – 20-21_vfinal.xlsx                      e) APR – 21-22_vfinal.xlsx                      f) MYT 2023-25_vfinal.xlsx</p>																												
10.	<p><b>APGCL in its Petition has shown revenue of Rs. 131.1 Crore against fixed charges and Rs. 221.5 Crore against Variable Charges. In this regard, APGCL submits the details:</b></p> <p style="text-align: center;"><b>Submission</b></p> <p>APGCL humbly submits that it has shown plant wise revenue as follows:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Particulars</th> <th>Fixed/Capacity charges</th> <th>Variable charges</th> <th>Total Revenue appeared in Accounts FY 2020-21</th> </tr> </thead> <tbody> <tr> <td><b>NTPS</b></td> <td>19.7</td> <td>39.1</td> <td>58.8</td> </tr> <tr> <td><b>LTPS</b></td> <td>60.1</td> <td>85.4</td> <td>145.5</td> </tr> <tr> <td><b>LRPP</b></td> <td>17.8</td> <td>25.0</td> <td>42.8</td> </tr> <tr> <td><b>KLHEP</b></td> <td>33.5</td> <td>65.2</td> <td>98.7</td> </tr> <tr> <td><b>MSHEP</b></td> <td>0.0</td> <td>6.8</td> <td>6.8</td> </tr> <tr> <td style="text-align: center;"><b>Total</b></td> <td><b>131.1</b></td> <td><b>221.5</b></td> <td><b>352.6</b></td> </tr> </tbody> </table> <p>APGCL confirms that it has billed the fixed and variable charges as per Tariff Order of FY2020-21 for NTPS, LTPS, LRPP and KLHEP.</p>	Particulars	Fixed/Capacity charges	Variable charges	Total Revenue appeared in Accounts FY 2020-21	<b>NTPS</b>	19.7	39.1	58.8	<b>LTPS</b>	60.1	85.4	145.5	<b>LRPP</b>	17.8	25.0	42.8	<b>KLHEP</b>	33.5	65.2	98.7	<b>MSHEP</b>	0.0	6.8	6.8	<b>Total</b>	<b>131.1</b>	<b>221.5</b>	<b>352.6</b>
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<b>Total</b>	<b>131.1</b>	<b>221.5</b>	<b>352.6</b>																										
11.	<p><b>As regards the Revenue Gap of Rs. 65.33 Crore after true up for FY 2020-21,</b></p> <p>a) Proposal for mechanism to recover such Gap from APDCL.                      b) Proposal for computation of Carrying Cost for the station-wise Gap/Surplus for FY 2020-21.</p> <p style="text-align: center;"><b>Submission</b></p>																												

Sl. No.	Additional Submission
	a) APGCL humbly submits that the revenue gap obtained for FY 2020-21 may be allowed to be recovered from APDCL in 12 equal monthly instalments in FY 2022-23, over and above the tariff for FY 2022-23. b) There is no provision for Carrying Cost on Revenue Gap or Surplus in the existing MYT Regulations, 2018 compared to the earlier MYT Regulations 2015. Thus, APGCL has not claimed any carrying cost for the above.

<b>D.</b>	<b>APR for FY 2021-22</b>
<b>12.</b>	<b>Submission of the actual and projected gross generation in MU for FY 2021-22 in the format shown below</b>

**Submission**

**Actual and Projected Gross Generation**

The actual gross generation in the table below is based on the actual operation basis closely mirroring the projection model. The FY2021-22 (H1) represents the actual gross generation achieved whereas the FY 2021-22 (H2) represents the projected basis of generation.

NTPS	Unit	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	TOTAL (H1)	Total Estimated (H2)
<b>NTPS Open Cycle Generation</b>	<b>MU</b>	14.7	17.3	10.7	8.0	11.5	14.3	76.6	<b>58.8</b>
<b>NTPS Closed Cycle Generation</b>	<b>MU</b>	3.4	2.5	0.4	0.0	1.1	2.5	9.9	
<b>NTPS Total Generation</b>	<b>MU</b>	<b>18.1</b>	<b>19.8</b>	<b>11.1</b>	<b>8.0</b>	<b>12.6</b>	<b>16.8</b>	<b>86.5</b>	<b>58.8</b>

LTPS	Unit	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	TOTAL (H1)	Total Estimated (H2)
<b>LTPS Open Cycle Generation</b>	<b>MU</b>	25.7	18.3	24.1	20.6	21.7	22.6	133.0	<b>212.3</b>
<b>LTPS Closed Cycle Generation</b>	<b>MU</b>	10.7	7.9	10.4	9.0	3.5	11.1	52.7	
<b>LTPS Total Generation</b>	<b>MU</b>	<b>36.4</b>	<b>26.2</b>	<b>34.5</b>	<b>29.7</b>	<b>25.2</b>	<b>33.7</b>	<b>185.6</b>	<b>212.3</b>

<b>13.</b>	<b>Submission of the actual and projected gross Station Heat Rate in kcal/kWh for FY 2021-22 in the format shown below:</b>
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**Submission**

**Actual and Projection for Gross Station Heat Rate**

The actual Gross Station Heat Rate is based on the operating model of Namrup wherein Unit 2 & 3 of the Namrup Station feeds into Unit 6 thus making it a closed cycle unit while the Units 4 & 5 of Namrup operate in Open Cycle mode. In case of LTPS, the projected Gross Station Heat Rate is based on the operating model of LTPS the waste gas output of Gas Turbine of Unit 5, 6, 7 which are run optimally based on gas availability feed into the WHRB Unit 8 for closed cycle mode operations in a sustainable economic manner. The Gross Station Heat Rate for FY 21-22 ( H1) is based on

Sl. No.	Additional Submission									
actual achieved basis while the figures for FY 21-22 ( H2) is based on the projected basis as being submitted to AERC in MYT Petition 22-23 to 24-25 and the total is computed accordingly.										
NTPS			Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	TOTAL (H1)	Total Estimated (H2)
SHR Open Cycle		Kcal / kWh	5507	5628	6040	4975	5824	5630	5618	3900
SHR Closed Cycle		Kcal / kWh	4471	4927	5835	4975	5301	4792	4976	
LTPS			Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	TOTAL (H1)	Total Estimated (H2)
SHR Open Cycle		Kcal / kWh	3317	3390	3336	3312	3253	3315	3320	3200
SHR Closed Cycle		Kcal / kWh	2341	2366	2331	2301	2803	2222	2378	
14.	<b>Submission of the station-wise depreciation calculations for FY 2021-22 in MS Excel showing the details of fully depreciated assets and assets where depreciation has reached 90% of GFA.</b>									
<b>Submission</b>										
APGCL humbly submits that it has submitted the station-wise depreciation calculations for FY 2021-22 in MS Excel showing the details of fully depreciated assets and assets where depreciation has reached 90% of GFA in the below file:										
a) APR -21-21_vfinal.xlsx – Refer Sheet <i>Dep (2)</i>										
15.	<b>APGCL in the present Petition has deferred the Special R&amp;M of Rs. 28.0 Crore approved by the Commission. In this regard, APGCL submits the following:</b>									
a) Impact on technical operation and performance/efficiency of Unit/Station due to deferment of such Special R&M										
b) Proposed plan for undertaking such Special R&M										
c) Contingency Plan of APGCL in case of adverse impact of deferment of such Special R&M.										
<b>Submission</b>										
<b>APGCL humbly submits the following:</b>										
a) Impact on technical operation and performance/efficiency of Unit/Station due to deferment of such Special R&M										

Sl. No.	Additional Submission
	<p>APGCL submits that the Annual Maintenance of the unit 2 of KLHEP will be carried out in the lean season of FY2022-23 in which technical operation and performance /efficiency of unit will be taken care for current year. Further, the Annual Maintenance of LTPS Unit#7 is expected to be carried out in FY2022-23 in which the technical operation and performance /efficiency of unit will be taken care for current year.</p> <p><b>b) Proposed plan for undertaking such Special R&amp;M</b></p> <p>APGCL submits that by the end of December'22 most of the spares for Overhauling of Unit 2 of KLHEP are expected to reach at site. APGCL has proposed to carry out the Special Overhauling (R&amp;M) works during Jan'23 to March'23 (expected to last for 100 days). Further APGCL submits that Maintenance of LTPS Unit #7 is expected to be carried out in FY2022-23</p> <p><b>c) Contingency Plan of APGCL in case of adverse impact of deferment of such Special R&amp;M.</b></p> <p>As part of contingency planning, APGCL has proposed to go for Annual Maintenance of the units for both LTPS U7 and KLHEP Unit 2 and will keep constant monitoring of the parameters for safety of the said unit.</p>
16.	<p><b>As regards the gas price considered for H2 of FY 2021-22, APGCL submits the following:</b></p> <p>a) <b>The rationale for considering weighted average price of gas for H2 of FY 2021-22, considerably higher than the actual price in H1 of FY 2021-22.</b></p> <p>b) <b>Documentary evidence for the gas price prevalent for April to September 2021 and October to March 2022 for each source.</b></p> <p>c) <b>Documentary evidence for the prevalent gas price in October 2020 for each source.</b></p>
<b>Submission</b>	
	<p>a) APGCL humbly submits that there has been a revision in gas prices to USD 2.90/MMBTU which has led the increase in estimated average price of gas for H2 compared to the gas price of USD 1.79 / MMBTU prevalent during H1.</p> <p>b) The price notification for the Natural Gas prevalent for April to September 2021 for each source can be referenced at <a href="https://www.ppac.gov.in/WriteReadData/CMS/202103310530147126623DomesticNaturalGaspricefortheperiodApril2021toSeptember2021.pdf">https://www.ppac.gov.in/WriteReadData/CMS/202103310530147126623DomesticNaturalGaspricefortheperiodApril2021toSeptember2021.pdf</a></p> <p>c) The price notification for the Natural Gas prevalent gas price in October 2021 for each source can be referenced at <a href="https://www.ppac.gov.in/WriteReadData/CMS/202109300544488436499DomesticNaturalGasPricefortheperiod01stOct2021to31stMarch2022.pdf">https://www.ppac.gov.in/WriteReadData/CMS/202109300544488436499DomesticNaturalGasPricefortheperiod01stOct2021to31stMarch2022.pdf</a></p>
17.	<p><b>Submission of station-wise details of Opening CWIP, Investment made during year, assets capitalised and closing CWIP for H1 (actual) and H2 (estimated) for FY 2021-22, in view of proposed revision in Capital Investment Plan.</b></p>
<b>Submission</b>	

Sl. No.	Additional Submission																																												
	<p>APGCL submits that for existing projects there are no CWIP i.e. Zero for NTPS, LTPS, LRPP and KLHEP along with other details in the below mentioned table:</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">Particulars</th> <th colspan="2">NTPS</th> <th colspan="2">LTPS</th> <th colspan="2">KLHEP</th> <th colspan="2">LRPP</th> </tr> <tr> <th>Opening</th> <th>Closing</th> <th>Opening</th> <th>Closing</th> <th>Opening</th> <th>Closing</th> <th>Opening</th> <th>Closing</th> </tr> </thead> <tbody> <tr> <td>CWIP</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Investment made during the Year</td> <td colspan="2">0</td> <td colspan="2">0</td> <td colspan="2">0.29</td> <td colspan="2">0</td> </tr> <tr> <td>Assets Capitalised (Rs. Crores)</td> <td colspan="2">0.94</td> <td colspan="2">6.85</td> <td colspan="2">0.29</td> <td colspan="2">0</td> </tr> </tbody> </table>	Particulars	NTPS		LTPS		KLHEP		LRPP		Opening	Closing	Opening	Closing	Opening	Closing	Opening	Closing	CWIP	0	0	0	0	0	0	0	0	Investment made during the Year	0		0		0.29		0		Assets Capitalised (Rs. Crores)	0.94		6.85		0.29		0	
Particulars	NTPS		LTPS		KLHEP		LRPP																																						
	Opening	Closing	Opening	Closing	Opening	Closing	Opening	Closing																																					
CWIP	0	0	0	0	0	0	0	0																																					
Investment made during the Year	0		0		0.29		0																																						
Assets Capitalised (Rs. Crores)	0.94		6.85		0.29		0																																						
<b>18.</b>	<b>Submission of the computation of station-wise Fixed Cost for FY 2021-22 in MS Excel with all linkages.</b>																																												
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	<p>APGCL humbly submits that it has submitted the Fixed Cost for FY2021-22 in MS Excel with all linkages to the Hon'ble Commission.</p> <p>The ARR Summary Tables can be viewed in the following MS Excel:</p> <p>APR – 21-22_vfinal.xls – Refer Sheet <b>ARR</b></p>																																												
<b>E.</b>	<b>MYT for FY2023-25 and Tariff for FY 2022-23</b>																																												
<b>19.</b>	<p><b>As regards Gas supply position for NTPS and NRPP, APGCL submits the following:</b></p> <p>a) Existing Gas Availability and allocation of Gas to NTPS prior to commissioning of NRPP</p> <p>b) Estimated Gas Availability and allocation of Gas to NTPS post commissioning of NRPP</p> <p>c) Actual Gas Availability and allocation of Gas to NTPS for the period from April, 2021 to September, 2021</p>																																												
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	<p>a) Existing Gas Availability and allocation of Gas to NTPS prior to commissioning of NRPP</p> <p>Existing Gas Availability and allocation prior to commissioning of NRPP - 0.66 MCSMD</p> <p>b) <b>Estimated Gas Availability and allocation of Gas to NTPS post commissioning of NRPP</b></p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th></th> <th>NTPS</th> <th>NRPP</th> </tr> </thead> <tbody> <tr> <td><b>Estimated Gas Availability and allocation of Gas to NTPS post commissioning of NRPP</b></td> <td>0.23</td> <td>0.43</td> </tr> </tbody> </table>		NTPS	NRPP	<b>Estimated Gas Availability and allocation of Gas to NTPS post commissioning of NRPP</b>	0.23	0.43																																						
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Sl. No.	Additional Submission											
<b>c) Actual Gas Availability and allocation of Gas to NTPS for the period from April, 2021 to September, 2021</b>												
		<b>Apr-21</b>	<b>May-21</b>	<b>Jun-21</b>	<b>Jul-21</b>	<b>Aug-21</b>	<b>Sep-21</b>					
	<b>Gas Availability and allocation of Gas to NTPS MMCSMD</b>	0.29	0.45	0.56	0.56	0.23	0.29					
<b>20.</b>	<b>As regards Gas Availability and allocation of Gas to each station, APGCL submits the following:</b>											
	a) Source-wise estimated availability of gas in each month during FY 2022-23 b) Source-wise estimated allocation of gas to each Generating Station, viz., NTPS, LTPS, LRPP and NRPP c) Rationale for allocation of gas between New station, viz., LRPP and NRPP and old stations, viz., NTPS and LTPS d) Plan for arrangement of additional requirement of gas, if any											
<b>Submission</b>												
a) Source-wise estimated availability of gas in each month during FY 2022-23												
<b>Estimated Availability</b>												
LTPS + LRPP												
<b>GAIL</b>	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23
Estimated Availability	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
LTPS + LRPP												
<b>OIL</b>	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23
Estimated Availability	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
NTPS+NRPP												
<b>OIL</b>	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23
Estimated Availability	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
b) Source-wise estimated allocation of gas to each Generating Station viz. NTPS, LTPS, LRPP and NRPP												
<b>GAIL</b>	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23
NTPS	0	0	0	0	0	0	0	0	0	0	0	0
LTPS	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
LRPP	0	0	0	0	0	0	0	0	0	0	0	0

Sl. No.	Additional Submission											
NRPP	0	0	0	0	0	0	0	0	0	0	0	0
<b>OIL</b>	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23
NTPS	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
LTPS	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
LRPP	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
NRPP	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43

c) Rationale for allocation of gas between New stations, viz., LRPP and NRPP and old stations, viz., NTPS and LTPS

APGCL humbly submits that, since the new plants are more efficient, they are being given the primary importance. LTPS will run full fledged with 0.54 MSCMD gas allocation per month. Similarly, NTPS (1 no of GT with WHRU) will run full steam with 0.23 MSCMD allocation. The decommissioning of the old units are also taken into consideration while allocating the gas between the new plants and the gas available because of the decommissioning.

d) Plan for arrangement of additional requirement of gas, if any

APGCL participated in the forward auction of HOEC which was held on 24.06.2021 for a quantum of gas 0.66 MMSCMD on fall back basis which can be used for both NTPS and LTPS for maximizing generation whenever gas supply is less from OIL/ONGC. APGCL stood as H4 bidder at variable premium of USD 0.43/MMBTU. A Direct contract with HOEC ( on behalf of Dirok JV) is mandatory for supply of Dirok Gas and it will be signed shortly.

Correspondence were made both with OIL and GAIL for enhancement of Gas Supply at least to the MGQ level at LTPS/NTPS to enable us to generate at full load in both LTPS and LRPP thereby reaching the generation at optimum level.

Oil India limited has declared Force Majeure due to Baghjaan issue occurred on 27th May'2020 and hence gas supply is less.

Gas supply from GAIL is less due to production has decreased and decline in production due to aging of fields is an established phenomenon in oil & gas Industry

**21. Submission of the detailed computation of landed Fuel Cost considered for projection of Fuel Cost for NTPS, LTPS and LRPP for FY 2021-22.**

**Submission**

APGCL humbly submits that the detailed computation of landed Fuel Cost considered for projection of Fuel Cost for NTPS, LTPS and LRPP for FY 2021-22 has been submitted in the MYT formats to the Hon'ble Commission.

The detailed computation can also be found in the following excel:

APR – 21-22\_vfinal.xlsx – Refer Sheet **Gas Price**

Sl. No.	Additional Submission																																												
<b>22.</b>	<b>Submission of station-wise details of projected Opening CWIP, Investment made during year, assets capitalised and closing CWIP for FY 2022-23 to FY2024-25 considering Capital Investment Plan.</b>																																												
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<b>23.</b>	<b>Submission of station-wise depreciation calculations for FY 2022-23 to FY2024-25 in MS Excel showing the details of fully depreciated assets and assets where depreciation has reached 90% of GFA.</b>																																												
<b>Submission</b>																																													

Sl. No.	Additional Submission
	<p>APGCL humbly submits that it has submitted the station-wise depreciation calculations for FY 2022-23 to FY2024-25 in MS Excel showing the details of fully depreciated assets and assets where depreciation has reached 90% of GFA in the below file:</p> <p>a) MYT – 2023-25_vfinal.xlsx – Refer Sheet <b>Dep (2)</b></p>
<b>24.</b>	<b>Rationale for claiming Normative Non-Tariff Income in MYT for FY2022-23 to FY2024-25</b>
	<b>Submission</b>
	<p>APGCL humbly submits that the FD's created out of grants received for Lower Kopili HEP are now almost withdrawn for expenditures towards the project. The interest rate offered by banks on FD's were subsequently reduced from 5.5%-6.5% to 3.0%-3.5% post Covid 19 pandemic.</p> <p>In view of above, the non tariff income is considered at normative approved by the Hon'ble Commission in the MYT Order for FY2020-21 and FY2021-22. APGCL will submit the actual non-tariff income for these years during True Up for each year.</p>
<b>25.</b>	<b>Submission of the computation of station-wise Fixed Cost for FY 2022-23 to FY2024-25 in MS Excel with all linkages.</b>
	<b>Submission</b>
	<p>APGCL humbly submits that it has submitted the Fixed Cost for <b>FY 2022-23 to FY2024-25</b> in MS Excel with all linkages to the Hon'ble Commission.</p> <p>The ARR Summary Tables can be viewed in the following MS Excel:</p> <p>a) MYT – 2023-25_vfinal.xlsx – Refer Sheet <b>ARR</b></p>

**Annexure No. 2 – Annual accounts for FY 2020-  
21**

IND AS FINANCIAL STATEMENT  
**2020-21**



**ASSAM POWER GENERATION  
CORPORATION LIMITED**

**Assam Power Generation Corporation Limited**  
**Ind AS Balance Sheet as at March 31, 2021**

Particulars	Notes	As on 31 <sup>st</sup> March 2021 (Rs. In Lakh)	As on 31 <sup>st</sup> March 2020 (Rs. In Lakh) Restated
<b>ASSETS</b>			
<b>Non-current assets</b>			
Property, plant and equipment	2	78,092.12	80,333.13
Capital work-in-progress	3	1,35,385.59	1,24,380.81
Other non-current assets	4	12,440.56	145.07
		<b>2,25,918.27</b>	<b>2,04,859.01</b>
<b>Current assets</b>			
Inventories	5	5,734.16	7,404.51
<b>Financial assets</b>			
Trade receivables	6(I)	9,950.62	9,230.08
Cash and cash equivalents	6(II)	7,541.62	5,257.45
Bank balances other than 6(ii) above	6(III)	77,414.70	72,513.02
Loans	6(IV)	6,642.56	6,841.26
Other financial assets	6(V)	263.69	369.66
Income tax assets (net)		237.20	459.83
Other current assets	7	19,317.06	18,394.09
		<b>1,27,101.61</b>	<b>1,20,469.89</b>
<b>Total assets</b>		<b>3,53,019.88</b>	<b>3,25,328.90</b>
<b>EQUITY AND LIABILITIES</b>			
<b>Equity</b>			
Equity share capital	8	45,585.98	45,585.98
Other equity	9	1,21,131.13	94,315.33
		<b>1,66,717.11</b>	<b>1,39,901.30</b>
<b>Liabilities</b>			
<b>Non-current liabilities</b>			
<b>Financial liabilities</b>			
Borrowings	10(I)	57,826.28	64,107.65
Deferred tax liabilities (Provision for MAT)		438.25	529.15
Provisions	11	10,316.09	9,511.30
Other non current liabilities	12	2,331.88	6,092.98
		<b>70,912.50</b>	<b>80,241.09</b>
<b>Current liabilities</b>			
<b>Financial liabilities</b>			
Trade payables	13(I)	4,796.36	5,591.70
Other financial liabilities	13(II)	87,920.26	74,359.71
Other current liabilities	14	22,577.01	23,072.25
Provisions	15	96.65	2,162.86
		<b>1,15,390.28</b>	<b>1,05,186.51</b>
<b>Total equity and liabilities</b>		<b>3,53,019.88</b>	<b>3,25,328.90</b>
<b>Summary of significant accounting policies</b>			
<b>1</b>			

The accompanying notes are an integral part of the Ind AS financial statements.

As per our separate report of even date

For **K.P SARD & Co.**

Chartered Accountants

Firm Registration No. 319208E

(CA K P Sanda)  
Partner

Membership No.: 052555  
UDIN: 21052555AAAQNAU12  
Place: GUWAHATI  
Date: 27/10/2021



For and on behalf of  
**Assam Power Generation Corporation Limited**

(Shri Jishnu Barua, IAS)  
Chairman

(Shri A K Safiqz Zaman)  
Chief Financial Officer

Place: Guwahati  
Date: 27<sup>th</sup> September, 2021

(Shri Dipankar Nath)  
Managing Director

(Smti. Nayana Das)  
Company Secretary

**Assam Power Generation Corporation Limited**  
**Statement of Profit and Loss for the year ended March 31, 2021**

Particulars		Notes	For the year ended March 31, 2021 (Rs. In Lakh)	For the year ended March 31, 2020 (Rs. In Lakh) Restated
<b>Income</b>				
I	Revenue from operations			
	Gross Revenue	16	44,676.08	48,441.22
	Less: Fuel Price Adjustment		(9,413.95)	1,972.78
	Net Revenue		<b>35,262.13</b>	<b>50,414.00</b>
II	Other income	17	5,678.88	309.87
III	Finance income	18	3,092.00	5,212.08
IV	<b>Total Income (I+II+III)</b>		<b>44,033.00</b>	<b>55,935.95</b>
<b>Expenses</b>				
V	Cost of raw materials consumed - other than lubricants	19	17,829.32	28,733.61
	Cost of raw materials consumed - lubricants	19	175.67	365.54
	Employee benefits expenses	20	8,914.21	9,840.61
	Other expenses	21	5,640.09	3,076.95
	Depreciation and amortization expense	22	5,680.11	5,622.77
	Finance costs	23	8,389.28	7,984.71
	<b>Total Expenses (V)</b>		<b>46,628.69</b>	<b>55,624.18</b>
VI	<b>Profit/(Loss) before exceptional items and tax (IV-V)</b>		<b>(2,595.69)</b>	<b>311.77</b>
VII	<b>Exceptional Item</b>		-	-
VIII	<b>Profit/(Loss) before tax (VI+VII)</b>		<b>(2,595.69)</b>	<b>311.77</b>
IX	<b>Tax expense</b>			
	Current tax		-	53.95
	MAT credit entitlement		-	-
	Deferred Tax		-	-
	Prior year tax charge		-	-
	Building & other construction workers welfare cess		-	-
	<b>Total tax expense</b>		-	<b>53.95</b>
X	<b>Profit/ (loss) for the year/period (VIII-IX)</b>		<b>(2,595.69)</b>	<b>257.82</b>
XI	<b>Other comprehensive income/(loss)</b>			
	(i) Items that will not be reclassified to profit or loss		-	-
	- Re-measurement gains/(loss) on defined benefit plans		-	-
	(ii) Income tax relating to items that will not be reclassified to profit or loss		-	-
	<b>Other comprehensive income/(loss) for the year, net of tax</b>		-	-
XII	<b>Total comprehensive income/(loss) for the year (X+XI)</b>		<b>(2,595.69)</b>	<b>257.82</b>
XIII	<b>Earning per share (EPS)</b>			
	a) Basic earning/(loss) per share (in Rs.)	24	(5.69)	0.57
	b) Diluted earning/(loss) per share (in Rs.)			
	[Nominal value of share Rs.100 (Rs.100) each]			

The accompanying notes are an integral part of the Ind AS financial statements.

As per our separate report of even date

For **K.P SARDA & Co.**

Chartered Accountants

Firm Registration No. 319206E

(K.P. Sarda)

Partner

Membership No.: 054555

UDIN: 21054555TAAAQNA012

Place: GUWAHATI

Date: 27/10/2021



For and on behalf of

Assam Power Generation Corporation Limited

(Shri Jishnu Barua, IAS)

Chairman

(Shri A K Safiqz Zaman)

Chief Financial Officer

Place: Guwahati

Date: 27th September, 2021

(Shri Dipankar Nath)

Managing Director

(Smti. Nayana Das)

Company Secretary



# Assam Power Generation Corporation Limited

## Statement of changes in equity for the year ended March 31, 2021

### Equity share capital :

Equity shares of Rs. 100 each issued, subscribed	No. of Shares	(Rs. In Lakh)
As at April 1, 2019	4,55,85,975	45,585.98
Issue of share capital	-	-
As at March 31, 2020	4,55,85,975	45,585.98
Issue of share capital	-	-
As at March 31, 2021	4,55,85,975	45,585.98

### Other equity :

(Rs. In Lakh)

Particulars	Other equity	
	Retained earnings	Total other equity
As at April 01, 2019	92,063.02	92,063.02
Profit/(loss) for the year	257.82	257.82
Other comprehensive income/(loss)	-	-
<b>Total comprehensive income/(loss)</b>	<b>257.82</b>	<b>257.82</b>
Created during the year	1,994.49	1,994.49
<b>As at March 31, 2020</b>	<b>94,315.33</b>	<b>94,315.33</b>
As at April 01, 2020	94,315.33	94,315.33
Profit/ (Loss) for the year	(2,595.69)	(2,595.69)
Other comprehensive income/(loss)	-	-
<b>Total comprehensive income/(loss)</b>	<b>(2,595.69)</b>	<b>(2,595.69)</b>
Created during the year	29,411.50	29,411.50
<b>As at March 31, 2021</b>	<b>1,21,131.13</b>	<b>1,21,131.13</b>

As per our separate report of even date

**For K.P SARDA & Co.**

Chartered Accountants

Firm Registration No. 319206E



(CA K.P Sarda)

Partner

Membership No.: 054555

UDIN : 21054555 AAAAQN 4012

Place : GUWAHATI

Date : 27/10/2021



For and on behalf of

**Assam Power Generation Corporation Limited**

(Shri Jishnu Barua, IAS)

**Chairman**

(Shri A K Safiqz Zaman)

**Chief Financial Officer**

Place : Guwahati

27th September, 2021

(Shri Dipankar Nath)

**Managing Director**

(Smti. Nayana Das)

**Company Secretary**

**ASSAM POWER GENERATION CORPORATION LTD.**

**CASH FLOW STATEMENT FOR THE YEAR ENDED 31st MARCH, 2021**

<u>PARTICULARS</u>	<u>As on 31st March 2021</u> <u>(Rupees in Lakh)</u>	<u>As on 31st March 2020</u> <u>(Rupees in Lakh)</u>
<b>A. CASH FLOW FROM OPERATING ACTIVITIES:</b>		
Net Profit before Taxation	(2,595.69)	311.77
Adjusted for:	-	-
Profit/Loss on Sale of Assets	-	22.59
Depreciation	5,680.11	5,622.77
Income from Fixed Deposit	(3,059.78)	(5,158.16)
Interest /Other Income	-	-
Interest & Other Charges	8,389.28	7,984.71
	<b>11,009.62</b>	<b>8,471.91</b>
<b>Operating profit before working capital changes</b>	<b>8,413.93</b>	<b>8,783.69</b>
Change in Inventories	1,670.35	(347.55)
Change in Trade Receivable	(720.55)	(150.52)
Change in Short Term Loans & Advances	198.70	(532.23)
Change in Others Current Assets	(17,798.46)	(27,596.31)
Change in Trade Payables	(795.34)	642.38
Change in Other Current Liabilities	(117.15)	6,685.95
Change in Short Term Provisions	(2,066.21)	(6,674.84)
	<b>(19,628.66)</b>	<b>(27,973.12)</b>
<b>Cash generated from operations</b>	<b>(11,214.73)</b>	<b>(19,189.43)</b>
Tax expenses	-	(259.12)
<b>Net Cash from Operating Activities</b>	<b>(11,214.73)</b>	<b>(19,448.55)</b>
<b>B. CASH FLOW FROM INVESTMENT ACTIVITIES :</b>		
Purchases of Fixed Assets	(3,439.10)	(1,346.74)
Sale of Fixed Assets	-	-
Purchase of Investments	-	-
Sale of Investments	-	-
Capital Work in Progress	(11,004.78)	(19,433.94)
Income from Fixed Deposit	3,639.53	5,413.59
Interest/Other Income	-	22.59
	-	-
<b>Net Cash Used in Investment Activities</b>	<b>(10,804.36)</b>	<b>(15,344.50)</b>



<b>C. CASH FLOW FROM FINANCING ACTIVITIES :</b>		
Proceeds from Share capital		
Proceeds from Long Term Borrowings	1,140.54	3,450.21
Repayment made towards loan	(4,518.07)	(4,247.46)
Interest & Other Charges	(1,736.38)	(2,323.76)
Proceeds from Grant towards capital assets	29,417.16	4,208.65
<b>Net Cash Used in Financing Activities</b>	<b>24,303.25</b>	<b>1,087.64</b>
<b>Net Increase/Decrease in Cash and Cash Equivalents(A+B+C)</b>	<b>2,284.17</b>	<b>(33,705.41)</b>
<b>Opening Balance of Cash and Cash Equivalents</b>	<b>5,257.45</b>	<b>38,962.87</b>
<b>Closing Balance of Cash and Cash Equivalents</b>	<b>7,541.62</b>	<b>5,257.45</b>

As per our separate report of even date  
**For K.P SARDA & Co.**  
Chartered Accountants  
Firm Registration No. 319206E



(CA- K P Sarda)  
Partner

Membership No.: 054555

UDIN : 21054555 AAAA0 NA012

Place : GUWAHATI

Date : 27/10/2021



For and on behalf of  
**Assam Power Generation Corporation Limited**

(Shri Jishnu Barua, IAS)  
**Chairman**

(Shri A K Safiquz Zaman)  
**Chief Financial Officer**

Place : Guwahati

Date : 27<sup>th</sup> September, 2021

(Shri Dipankar Nath)  
**Managing Director**

(Smti. Nayana Das)  
**Company Secretary**

Place : Guwahati

Date : 27<sup>th</sup> September, 2021

**Note 1 - Significant Accounting Policies**

**A. Corporate Information**

Assam Power Generation Corporation Limited ("the Company") is a public Company domiciled in India and incorporated under the provisions of the Companies Act applicable in India. The registered office of the Company is located at Bijulee Bhawan, Paltan Bazar, Guwahati, Assam - 781001.

The Company is engaged in the generation and sell of power having its manufacturing facility in the State of Assam.

**B. Basis of preparation**

The Ind AS financial statements of the Company have been prepared in accordance with the Indian Accounting Standards (Ind AS) notified under the Companies (Indian Accounting Standards) Rules, 2015 as amended and the provisions of the Electricity Act, 2003, to the extent applicable.

The Ind AS financial statements have been prepared on an accrual basis and under the historical cost convention. The Ind AS financial statements are presented in Indian Rupees in Lakh, except number of shares, face value of share, earning / (loss) per share or wherever otherwise indicated.

**C. Current versus non-current classification**

The Company presents assets and liabilities in the balance sheet based on current/non-current classification. An asset is treated as current when it is:

- Expected to be realised or intended to be sold or consumed in normal operating cycle
- Held primarily for the purpose of trading
- Expected to be realised within twelve months after the reporting period, or
- Cash or cash equivalent unless restricted from being exchanged or used to settle a liability for at least twelve months after the reporting period

All other assets are classified as non-current.

A liability is current when:

- It is expected to be settled in normal operating cycle
- It is held primarily for the purpose of trading
- It is due to be settled within twelve months after the reporting period, or
- There is no unconditional right to defer the settlement of the liability for at least twelve months after the reporting period

The Company classifies all other liabilities as non-current.

Deferred tax assets and liabilities are classified as non-current assets and liabilities.

The operating cycle is the time between the acquisition of assets for processing and their realisation in cash and cash equivalents. The Company has identified twelve months as its operating cycle.

**D. Fair value measurement**

Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. The fair value measurement is based on the presumption that the transaction to sell the asset or transfer the liability takes place either:

- In the principal market for the asset or liability, or
- In the absence of a principal market, in the most advantageous market for the asset or liability

The principal or the most advantageous market must be accessible by the Company.

The fair value of an asset or a liability is measured using the assumptions that market participants would use when pricing the asset or liability, assuming that market participants act in their economic best interest.

A fair value measurement of a non-financial asset takes into account a market participant's ability to generate economic benefits by using the asset in its highest and best use or by selling it to another market participant that would use the asset in its highest and best use.

All assets and liabilities for which fair value is measured or disclosed in the Ind AS financial statements are categorised within the fair value hierarchy, described as follows, based on the lowest level input that is significant to the fair value measurement as a whole:



- Level 1 — Quoted (unadjusted) market prices in active markets for identical assets or liabilities
- Level 2 — Valuation techniques for which the lowest level input that is significant to the fair value measurement is directly or indirectly observable
- Level 3 — Valuation techniques for which the lowest level input that is significant to the fair value measurement is unobservable

The company has engaged external agencies for valuation and verification of Assets & inventory and the work is under progress. On completion of the valuation and verification process, fair valuation shall be taken up by APGCL.

#### E. Revenue recognition and Other income

Revenue is recognized to the extent that it is probable that the economic benefits will flow to the Company and the revenue can be reliably measured, regardless of when the payment is being made.

The following recognition criteria described below must also be met before revenue is recognised:

##### Sale of goods

Revenue from sale of goods is recognized when all the significant risks and rewards of ownership of the goods have been passed to the buyer, usually on delivery of the goods. Revenue from sale of Power by Assam Power Generation Corporation Limited has been accounted for on the rate allowed in tariff ordered by Assam Electricity Regulatory Commission (AERC).

##### Revenue from services

Revenues from services are recognized as and when services are rendered.

##### Interest

Interest income of APGCL consists of interest earned on Fixed deposits made with various banks and the same is recorded using the balance confirmation provided by the respective banks. "Interest income" is included in "Finance income" in the statement of profit and loss.

##### Delay payment charges on customers

Delay payment charges are levied to APDCL in accordance to AERC Regulations and PPA and reflected in Other Income.

##### Dividends

Dividend income is recognized when the Company's right to receive dividend is established, which is generally when shareholders approve the dividend.

#### F. Government grants

Government grants are recognised where there is reasonable assurance that the grant will be received and all attached conditions will be complied with.

Revenue grants from GoA are recognized in the Profit & Loss Statement on a systematic and rational basis over the periods necessary to match them with the related costs.

Grants from ADB, though shown separately in the accounts are grants from the Govt. of Assam (who receives the fund from Central govt.), the borrower in terms of the loan agreement with ADB.

Government grants towards cost of capital assets are contribution of the owner (i.e. State Govt.) towards capital of the Company and will be converted to equity in future as communicated to us vide letter no. ASEB/ACT/FIN/87/Pt-VI/35 dated 12/11/2008. These grants cannot be construed as meeting a portion of the cost and cannot be amortised in the books of accounts as they will be converted to equity in future. Hence, Govt. Grants are recognised in 'Other equity'.

#### G. Taxes

##### Current income tax

Current income-tax is measured at the amount expected to be paid to the tax authorities in accordance with the Income-tax Act, 1961 enacted in India and tax laws prevailing in the respective tax jurisdictions where the



Company operates. The tax rates and tax laws used to compute the amount are those that are enacted or substantively enacted, at the reporting date.

Current income tax relating to items recognised outside the statement of profit and loss is recognised outside the statement of profit and loss (either in other comprehensive income or in equity). Current tax items are recognised in correlation to the underlying transaction either in OCI or directly in equity. Management periodically evaluates positions taken in the tax returns with respect to situations in which applicable tax regulations are subject to interpretation and establishes provisions where appropriate.

#### Deferred tax

Deferred tax is provided using the liability method on temporary differences between the tax bases of assets and liabilities and their carrying amounts for financial reporting purposes at the reporting date.

Deferred tax liabilities are recognised for all taxable temporary differences, except:

- When the deferred tax liability arises from the initial recognition of goodwill or an asset or liability in a transaction that is not a business combination and, at the time of the transaction, affects neither the accounting profit nor taxable statement of profit and loss
- In respect of taxable temporary differences associated with investments in subsidiaries, associates and interests in joint ventures, when the timing of the reversal of the temporary differences can be controlled and it is probable that the temporary differences will not reverse in the foreseeable future

Deferred tax assets are recognised for all deductible temporary differences, the carry forward of unused tax credits and any unused tax losses. Deferred tax assets are recognised to the extent that it is probable that taxable profit will be available against which the deductible temporary differences, and the carry forward of unused tax credits and unused tax losses can be utilised, except:

- When the deferred tax asset relating to the deductible temporary difference arises from the initial recognition of an asset or liability in a transaction that is not a business combination and, at the time of the transaction, affects neither the accounting profit nor taxable statement of profit and loss
- In respect of deductible temporary differences associated with investments in subsidiaries, associates and interests in joint ventures, deferred tax assets are recognised only to the extent that it is probable that the temporary differences will reverse in the foreseeable future and taxable profit will be available against which the temporary differences can be utilised

The carrying amount of deferred tax assets is reviewed at each reporting date and reduced to the extent that it is no longer probable that sufficient taxable profit will be available to allow all or part of the deferred tax asset to be utilised. Unrecognised deferred tax assets are re-assessed at each reporting date and are recognised to the extent that it has become probable that future taxable profits will allow the deferred tax asset to be recovered.

Deferred tax assets and liabilities are measured at the tax rates that are expected to apply in the year when the asset is realised or the liability is settled, based on tax rates (and tax laws) that have been enacted or substantively enacted at the reporting date.

Deferred tax relating to items recognised outside the statement of profit and loss is recognised outside the statement of profit and loss (either in other comprehensive income or in other equity). Deferred tax items are recognised in correlation to the underlying transaction either in OCI or directly in other equity.

Deferred tax assets and deferred tax liabilities are offset if a legally enforceable right exists to set off current tax assets against current tax liabilities and the deferred taxes relate to the same taxable entity and the same taxation authority.

Deferred tax assets include Minimum Alternative Tax (MAT) paid in accordance with the tax laws in India, which is likely to give future economic benefits in the form of availability of set off against future income tax liability. Accordingly, MAT is recognised as deferred tax asset in the statement of financial position when the asset can be measured reliably and it is probable that the future economic benefit associated with the asset will be realised.

#### H. Property, plant and equipment ('PPE')

The Company has elected to continue with the carrying value for all of its property plant and equipment as recognized in the financial statements as at the date of transition to Ind AS.



Property, plant and equipment are stated at cost, net of accumulated depreciation and accumulated impairment losses, if any. Capital work in progress are stated at cost net of impairment loss if any. Such cost includes the cost of replacing part of the property plant and equipment and borrowing costs, if the recognition criteria are met.

Depreciation for the period in respect of assets has been provided on straight line method as per clause 33.4 of the Assam Electricity Regulatory Commission (Terms and Conditions for determination of Multi Year Tariff) Regulations, 2018 in terms of the provision of Schedule-II, Part "B" of Companies Act, 2013. Depreciation on addition of assets has been calculated on pro-rata basis.

<u>Assets Class</u>	<u>Rates of Depreciation</u>
Building	3.34%
Hydraulic	5.28%
Other civil works	3.34%
Plant & machinery	5.28%
Lines & cable network	5.28%
Vehicles – others	9.50%
Furniture & fixtures	6.33%
Office equipment	6.33%
Computers & Accessories	15.00%
Capital spare	5.28%

Residual value of Property, plant & equipment is taken as 10% of original cost.

The company has engaged external agencies for valuation and verification of Assets & inventory and the work is under progress. On completion of the valuation and verification process, fair valuation shall be taken up by APGCL

As per the accounting policy followed by the Company, grants from Govt. of Assam towards cost of capital assets have not been reduced from the cost of assets but have been treated as 'Other Equity'. The depreciation pertaining to fixed assets constructed out of such grants towards cost of capital assets is charged. However depreciation pertaining to fixed assets constructed out of consumer's contribution, subsidies is not charged. Presently the company is not in receipt of any consumer's contribution, subsidies till date.

#### I. Borrowing costs

Borrowing costs directly attributable to the acquisition, construction or production of an asset that necessarily takes a substantial period of time to get ready for its intended use or sale are capitalized as part of the cost of the asset. All other borrowing costs are expensed in the period in which they occur. Borrowing costs consist of interest and other costs that an entity incurs in connection with the borrowing of funds. Borrowing cost also includes exchange differences to the extent regarded as an adjustment to the borrowing costs.

#### J. Leases

The determination of whether an arrangement is (or contains) a lease is based on the substance of the arrangement at the inception of the lease. The arrangement is, or contains, a lease if fulfilment of the arrangement is dependent on the use of a specific asset or assets and the arrangement conveys a right to use the asset or assets, even if that right is not explicitly specified in an arrangement.

For arrangements entered into prior to April 1, 2015, the Company has determined there are no arrangement contain lease on the basis of facts and circumstances existing on the date of transition.

#### Where the Company is lessee

A lease is classified at the inception date as a finance lease or an operating lease. A lease that transfers substantially all the risks and rewards incidental to ownership to the Company is classified as a finance lease.

Finance leases are capitalised at the commencement of the lease at the inception date fair value of the leased property or, if lower, at the present value of the minimum lease payments. Lease payments are apportioned between finance charges and reduction of the lease liability so as to achieve a constant rate of interest on the remaining balance of the liability. Finance charges are recognised in finance costs in the statement of profit and loss, unless they are directly attributable to qualifying assets, in which case they are capitalized in accordance



with the Company's general policy on the borrowing costs. Contingent rentals are recognised as expenses in the periods in which they are incurred.

A leased asset is depreciated over the useful life of the asset. However, if there is no reasonable certainty that the Company will obtain ownership by the end of the lease term, the asset is depreciated over the shorter of the estimated useful life of the asset and the lease term.

Operating lease payments are recognised as a expense in the statement of profit and loss on a straight line basis over the period of the lease term, unless the payment to lessor and structured to increase in line with expected general inflation and compensate for the lessor's expected inflation cost increase.

#### **Where the Company is the lessor**

Leases in which the Company does not transfer substantially all the risks and rewards of ownership of an asset are classified as operating leases. Rental income from operating lease is recognised on a straight-line basis over the term of the relevant lease. Initial direct costs incurred in negotiating and arranging an operating lease are added to the carrying amount of the leased asset and recognised over the lease term on the same basis as rental income. Contingent rents are recognised as revenue in the period in which they are earned.

Leases are classified as finance leases when substantially all of the risks and rewards of ownership transfer from the Company to the lessee. Amounts due from lessees under finance leases are recorded as receivables at the Company's net investment in the leases. Finance lease income is allocated to accounting periods so as to reflect a constant periodic rate of return on the net investment outstanding in respect of the lease.

#### **K. Inventories**

Inventories are valued at lower of cost or net realizable value. Net realizable value is the estimated selling price in the ordinary course of business, less estimated costs of completion and estimated costs necessary to make the sale.

Presently, Inventories Accounts of the Company maintained for construction project has been treated as "Capital Stores" and that of O & M purpose treated as "Operational Stores". The Capital stores are classified as inventory as per APGCL's recognition criteria based on specific circumstances and are outside the purview of Ind AS 16 Property Plant and Equipment and hence are dealt in accordance with Ind AS 2 Inventories.

APGCL was allocated a provision against stock for Rs. 3203.05 Lakhs and other material account amounting to Rs. 1312.04 Lakhs as per the transfer scheme of APGCL. Now, the company has engaged external agencies for valuation and verification of Assets & inventory and the work is under progress. Once the Valuation and verification process is complete fair valuation shall be taken up by APGCL for all of its inventories and the year long provision of Rs. 3203.05 Lakhs and Rs. 1312.04 Lakhs (allocated to APGCL as per transfer scheme) can be adjusted.

Materials are issued to works at standard price. Issue of Standard Items is at Standard rates on FIFO basis. For Non-Standard Items receipt accounting is based on Basic Price + GST. Issue of Non-Standard Items is based on weighted average rate of previous month's closing balance. If there is no closing stock in the previous month, valuation of issue is based on the first receipt rate of the current month.

Shortages found on physical verification of stocks are booked under "Material Shortages pending investigation (Account code 2710000). These shortages are recovered from persons responsible or written off, as the case may be, on completion of investigation.

#### **L. Impairment of non-financial assets**

The Company assesses, at each reporting date, whether there is an indication that an asset may be impaired. If any indication exists, or when annual impairment testing for an asset is required, the Company estimates the asset's recoverable amount. An asset's recoverable amount is the higher of an asset's or cash-generating unit's (CGU) fair value less costs of disposal and its value in use. The recoverable amount is determined for an individual asset, unless the asset does not generate cash inflows that are largely independent of those from other assets or groups of assets. Where the carrying amount of an asset or CGU exceeds its recoverable amount, the asset is considered impaired and is written down to its recoverable amount.

In assessing value in use, the estimated future cash flows are discounted to their present value using a pre-tax discount rate that reflects current market assessments of the time-value of money and the risks specific to the





asset. In determining fair value less costs of disposal, recent market transactions are taken into account. If no such transactions can be identified, an appropriate valuation model is used. These calculations are corroborated by valuation multiples, quoted share prices for publicly traded companies or other available fair value indicators.

The Company bases its impairment calculation on detailed budgets and forecast calculations, which are prepared separately for each of the Company's cash-generating units to which the individual assets are allocated. These budgets and forecast calculations generally cover a period of five years. For longer periods, a long-term growth rate is calculated and applied to project future cash flows after the fifth year. To estimate cash flow projections beyond periods covered by the most recent budgets/forecasts, the Company extrapolates cash flow projections in the budget using a steady or declining growth rate for subsequent years, unless an increasing rate can be justified. In any case, this growth rate does not exceed the long-term average growth rate for the products, industries, or country or countries in which the entity operates, or for the market in which the asset is used.

Impairment losses, including impairment on inventories, are recognized in the statement of profit and loss.

For assets, an assessment is made at each reporting date to determine whether there is an indication that previously recognised impairment losses no longer exist or have decreased. If such indication exists, the Company estimates the asset's or CGU's recoverable amount. A previously recognised impairment loss is reversed only if there has been a change in the assumptions used to determine the asset's recoverable amount since the last impairment loss was recognised. The reversal is limited so that the carrying amount of the asset does not exceed its recoverable amount, nor exceed the carrying amount that would have been determined, net of depreciation, had no impairment loss been recognised for the asset in prior years. Such reversal is recognised in the statement of statement of profit and loss.

#### M. Provisions

##### General

Provisions are recognized when the Company has a present obligation (legal or constructive) as a result of a past event, it is probable that an outflow of resources embodying economic benefits will be required to settle the obligation and a reliable estimate can be made of the amount of the obligation. When the Company expects some or all of a provision to be reimbursed, for example, under an insurance contract, the reimbursement is recognised as a separate asset, but only when the reimbursement is virtually certain. The expense relating to a provision is presented in the statement of profit and loss net of any reimbursement.

If the effect of the time value of money is material, provisions are discounted using a current pre-tax rate that reflects, when appropriate, the risks specific to the liability. When discounting is used, the increase in the provision due to the passage of time is recognised as a finance cost.

#### N. Retirement and other employee benefits

Pursuant to the Transfer Scheme, the GoA vide Notification No.PEL.190/2004/69 dated 4th February, 2005 notified the plan for meeting the terminal benefit obligations of personnel transferred from ASEB to successor entities. As per Clause 1.5 of the said notification "Terminal Benefit" means the ASEB's employee related liabilities including payments of pension, gratuity, leave encashment and General Provident Fund and any other retirement benefits and applicable benefits including right to appropriate revisions in the above benefits consistent with the practice that were prevalent in ASEB:

##### Funding for past unfunded terminal liabilities

Funding for past unfunded terminal liabilities is on the basis of actuarial valuation done as at 30th September, 2012. The cash outflows towards past unfunded liabilities of existing employees, existing pensioners and existing family pensioners funded pattern will be guided by the aforesaid Govt. notification.

##### Funding for future services - Terminal Benefits

The company has made a provision for terminal liability for future service of its existing employees @33.50% of Basic plus DA as per AERC guidelines and in the line with the GoA's Notification mentioned above.



### **Leave encashment benefit (LEB) of employees**

Leave encashment benefit of the old employees are accounted on cash basis. LEB admissible to the employees are being paid by the Company and claim for recovery of the appropriate share of such fund (i.e. share of past liability) relating to period prior to 09.12.2004 is forwarded to the Pension Trust Authority as per GoA Notification mentioned here-in-above. At present employee related records including leave balance are maintained manually at Head quarter as well as various field levels and as such ascertainment of balance leave on the balance sheet date of every employee is tedious and hence not provided for. However, the Company is going to implement ERP and as soon as it starts, we will be able to make provision for leave encashment benefit for NPS employees.

### **GPF deductions/payments of employees**

Payments on account of GPF (Final Withdrawal and Non-refundable advance) to the existing employees are being made from the GPF Account of the Company. Claim for recovery of appropriate share of such fund (i.e. share of past unfunded liability) is forwarded to the Pension Trust authority as per GoA Notification mentioned above.

Provision for interest on GPF is on the basis of the following rates:

- i) 7.1% w.e.f 01.04.2020 to 30.06.2020
- ii) 7.1% w.e.f 01.07.2020 to 30.09.2020
- iii) 7.1% w.e.f 01.10.2020 to 31.12.2020
- iv) 7.1% w.e.f 01.01.2021 to 31.03.2021 applied on the average subscription of the employee.

### **Terminal benefit for new (appointed on or after 1.1.2004) employees**

New Pension Scheme is being implemented for the new employees of the Company as per Government of India Notification No.5/7/2003-ECB & PR dated. 22.12.2003. The Company contributed the equal amount deducted from its employees, fall under New Pension Scheme.

## **O. Earnings per Share**

Basic earnings per share is calculated by dividing the profit/(loss) attributable to owners of the Company by the weighted average number of equity shares outstanding during the financial year, adjusted for bonus elements in equity shares issued during the year and excluding treasury shares.

Diluted earnings per share adjusts the figures used in the determination of basic earnings per share to take into account the after income tax effect of interest and other financing costs associated with dilutive potential equity shares and the weighted average number of additional equity shares that would have been outstanding assuming the conversion of all dilutive potential equity shares.

## **P. Financial Instruments**

A financial instrument is any contract that gives rise to a financial asset of one entity and a financial liability or equity instrument of another entity.

### **Financial assets**

#### **Initial recognition and measurement**

All financial assets are recognised initially at fair value plus, in the case of financial assets not recorded at fair value through statement of profit and loss, transaction costs that are attributable to the acquisition of the financial asset. Purchases or sales of financial assets that require delivery of assets within a time frame established by regulation or convention in the market place (regular way trades) are recognised on the trade date, i.e., the date that the Company commits to purchase or sell the asset.

#### **Subsequent measurement**

For purposes of subsequent measurement, financial assets are classified as debt instruments at amortised cost

#### **Debt instruments at amortised cost**

A 'debt instrument' is measured at the amortised cost if both the following conditions are met:

- a) The asset is held within a business model whose objective is to hold assets for collecting contractual cash flows, and
- b) Contractual terms of the asset give rise on specified dates to cash flows that are solely payments of principal and interest (SPPI) on the principal amount outstanding.



After initial measurement, such financial assets are subsequently measured at amortised cost using the effective interest rate (EIR) method. Amortised cost is calculated by taking into account any discount or premium on acquisition and fees or costs that are an integral part of the EIR. The EIR amortisation is included in finance income in the statement of profit and loss. The losses arising from impairment are recognised in the statement of profit and loss. This category generally applies to trade and other receivables.

### **Derecognition**

A financial asset is primarily derecognised when:

- The rights to receive cash flows from the asset have expired, or
- The Company has transferred its rights to receive cash flows from the asset or has assumed an obligation to pay the received cash flows in full without material delay to a third party under a 'pass-through' arrangement; and either (a) the Company has transferred substantially all the risks and rewards of the asset, or (b) the Company has neither transferred nor retained substantially all the risks and rewards of the asset, but has transferred control of the asset.

When the Company has transferred its rights to receive cash flows from an asset or has entered into a pass-through arrangement, it evaluates if and to what extent it has retained the risks and rewards of ownership. When it has neither transferred nor retained substantially all of the risks and rewards of the asset, nor transferred control of the asset, the Company continues to recognise the transferred asset to the extent of the Company's continuing involvement. In that case, the Company also recognises an associated liability. The transferred asset and the associated liability are measured on a basis that reflects the rights and obligations that the Company has retained.

Continuing involvement that takes the form of a guarantee over the transferred asset is measured at the lower of the original carrying amount of the asset and the maximum amount of consideration that the Company could be required to repay.

### **Impairment of financial assets**

The Company recognizes loss allowances using the expected credit loss (ECL) model for the financial assets which are not fair valued through profit or loss. Loss allowance for trade receivables with no significant financing component is measured at an amount equal to lifetime ECL. The amount of expected credit losses (or reversal) that is required to adjust the loss allowance at the reporting date to the amount that is required to be recognized as an impairment gain or loss in statement of profit or loss

### **Financial liabilities**

#### **Initial recognition and measurement**

Financial liabilities are classified, at initial recognition, as financial liabilities at fair value through statement of profit and loss.

The Company's financial liabilities include trade and other payables, loans and borrowings.

#### **Subsequent measurement**

Financial liabilities are subsequently carried at amortized cost using the effective interest method, except for contingent consideration recognized in a business combination which is subsequently measured at fair value through profit or loss. For trade and other payables maturing within one year from the balance sheet date, the carrying amounts approximate the fair value due to the short maturity of these instruments

#### **Financial guarantee contracts**

Financial guarantee contracts issued by the company are those contracts that require a payment to be made by holding company to reimburse banks for a loss they incurs because the Company fails to make a payment when due in accordance with the terms of a debt instrument. Financial guarantee contracts are recognised initially as contribution from shareholders under other equity at fair value, adjusted for transaction costs that are directly attributable to the issuance of the guarantee. This amount is adjusted from borrowings obtained by the Company. Borrowings are subsequently measured at amortised cost using the EIR method.

#### **De-recognition**

A financial liability is derecognised when the obligation under the liability is discharged or cancelled or expires. When an existing financial liability is replaced by another from the same lender on substantially different terms, or the terms of an existing liability are substantially modified, such an exchange or modification is treated as the de-recognition of the original liability and the recognition of a new liability. The difference in the respective carrying amounts is recognised in the statement of statement of profit and loss.



**Reclassification of financial instruments**

The Company determines classification of financial assets and liabilities on initial recognition. After initial recognition, no reclassification is made for financial assets which are equity instruments and financial liabilities. For financial assets which are debt instruments, a reclassification is made only if there is a change in the business model for managing those assets. Changes to the business model are expected to be infrequent. The Company's senior management determines change in the business model as a result of external or internal changes which are significant to the Company's operations. Such changes are evident to external parties. A change in the business model occurs when the Company either begins or ceases to perform an activity that is significant to its operations. If the Company reclassifies financial assets, it applies the reclassification prospectively from the reclassification date which is the first day of the immediately next reporting period following the change in business model. The Company does not restate any previously recognised gains, losses (including impairment gains or losses) or interest.

**Offsetting of financial instruments**

Financial assets and financial liabilities are offset and the net amount is reported in the balance sheet if there is a currently enforceable legal right to offset the recognised amounts and there is an intention to settle on a net basis, to realise the assets and settle the liabilities simultaneously.

APGCL at first-time adoption did not, under its previous GAAP, recognise and measure a government loan at a below-market rate of interest on a basis consistent with Ind AS requirements, hence has used its previous GAAP carrying amount of the loan at the date of transition to Ind ASs as the carrying amount of the loan in the opening Ind AS Balance Sheet and thereon.

**Q. Cash and cash equivalents**

Cash and cash equivalent in the balance sheet comprise cash at banks and on hand and short-term deposits with an original maturity of three months or less, which are subject to an insignificant risk of changes in value. For the purpose of the statement of cash flows, cash and cash equivalents consist of cash and short-term deposits, as defined above, net of outstanding bank overdrafts as they are considered an integral part of the Company's cash management.



## Assam Power Generation Corporation Limited

Notes to the Ind AS financial statements as at and for the year ended March 31, 2021

### 2. Property, plant and equipment

Description	Land owned under full title	Leasehold loan	Building	Hydraulic	Other civil works	Plant & machinery	Lines & cable network	Vehicles	Furniture & fixtures	Office equipment	Roads on land belonging to others	Capital spares at generating stations	Total
<b>GROSS BLOCK</b>													
As on 1st April 2019	2,072.78	6.40	6,403.62	17,824.23	25,037.82	81,704.27	4,450.71	108.07	175.58	170.85	28.24	17,879.20	1,55,861.77
Adjustment / Reclassification	-	-	-	-	-	-	-	-	-	-	-	-	-
Additions during the year	-	-	-	3.85	117.63	1,391.10	-	-	26.68	24.89	-	-	1,564.15
Deductions during the year	-	-	-	-	(202.78)	-	-	(14.63)	-	-	-	-	(217.41)
As on 31st March 2020	2,072.78	6.40	6,403.62	17,828.08	24,952.67	83,095.38	4,450.71	93.44	202.27	195.73	28.24	17,879.20	1,57,208.51
Adjustment / Reclassification	-	-	-	-	-	-	-	-	-	-	-	-	-
Additions during the year	1,420.55	-	-	-	49.91	1,665.35	280.84	-	8.17	14.29	-	-	3,439.10
Deductions during the year	-	-	-	-	-	-	-	-	-	-	-	-	-
As on 31st March 2021	3,493.33	6.40	6,403.62	17,828.08	25,002.58	84,760.72	4,731.55	93.44	210.44	210.02	28.24	17,879.20	1,60,647.61
<b>DEPRECIATION</b>													
As on 1st April 2019	-	-	3,182.87	9,047.93	7,606.50	33,777.75	3,243.92	94.62	115.74	105.12	9.05	14,285.28	71,468.78
Adjustment / Reclassification	-	-	-	-	-	-	-	-	-	-	-	-	-
Depreciation for the year	-	-	127.06	941.20	763.17	3,374.56	112.73	0.67	6.60	10.95	2.68	283.16	5,622.77
Deduction/ Adjustment during the year	-	-	-	-	(203.12)	-	-	(13.05)	-	-	-	-	(216.17)
As on 31st March 2020	-	-	3,309.93	9,989.12	8,166.55	37,152.31	3,356.65	82.24	122.34	116.07	11.73	14,568.44	76,875.38
Adjustment / Reclassification	-	-	-	-	-	-	-	-	-	-	-	-	-
Depreciation for the year	-	-	125.23	941.25	763.49	3,432.98	114.54	0.67	7.25	12.11	2.68	279.92	5,680.11
Deduction/Adjustment during the year	-	-	-	-	-	-	-	-	-	-	-	-	-
As on 31st March 2021	-	-	3,435.16	10,930.37	8,930.04	40,585.29	3,471.19	82.91	129.59	128.18	14.41	14,848.36	82,555.49
<b>NET BOOK VALUE</b>													
As on 31st March 2021	3,493.33	6.40	2,968.46	6,897.71	16,072.53	44,175.43	1,260.37	10.53	80.85	81.85	13.83	3,030.83	78,092.12
As on 31st March 2020	2,072.78	6.40	3,093.69	7,838.95	16,786.11	45,943.07	1,094.06	11.20	79.92	79.66	16.51	3,310.76	80,333.13
As on 1st April 2019	2,072.78	6.40	3,220.75	8,776.30	17,431.32	47,926.52	1,206.80	13.45	59.84	65.73	19.19	3,593.92	84,392.99

Note:- (i) In the absence of shift log book for Plant & machinery, depreciation on Plant & machinery has been charged on continued process plant basis.

(ii) On fixed assets acquired during the year depreciation is charged on 'Put to use' basis.



### 3. CAPITAL WORK IN PROGRESS

Particulars	As on 31.3.2019	As on 31.3.2020	As on 31.3.2021
Capital work in progress	1,04,946.86	1,24,380.81	1,35,385.59

Details of capital work in progress	As on 1st April 2019 (In Rs.)	Addition / (capitalised) during the year	As on 31st March 2020 (In Rs.)	Addition / (capitalised) during the year	As on 31st March 2021 (In Rs.)
ERP Software	-	532.65	532.65	552.40	1,085.05
Land owned under full title	4,407.67	12,598.25	17,005.91	275.72	17,281.63
Leasehold loan	-	-	-	-	-
Building	314.04	-	314.04	-	314.04
Hydraulic	-	-	-	-	-
Other civil works	47,297.79	2,497.46	49,795.25	5,487.36	55,282.61
Plant & machinery	52,639.76	3,805.59	56,445.35	3,943.04	60,388.39
Lines & cable network	108.51	-	108.51	732.70	841.21
Vehicles	0.32	-	0.32	-	0.32
Furniture & fixtures	6.12	-	6.12	-	6.12
Office Equipment	172.66	-	172.66	13.57	186.22
<b>Total</b>	<b>1,04,946.86</b>	<b>19,433.94</b>	<b>1,24,380.81</b>	<b>11,004.78</b>	<b>1,35,385.59</b>



## Assam Power Generation Corporation Limited

Notes to the Ind AS financial statements as at and for the year ended March 31, 2021

#### 4. OTHER NON-CURRENT ASSETS (UNSECURED AND CONSIDERED GOOD UNLESS OTHERWISE STATED)\*

Particulars	As on 31-03-2021 (Rs. In Lakh)	As on 31-03-2020 (Rs. In Lakh) Restated
<b>Advance to suppliers (Capital)</b>		
Interest free	255.14	69.39
<b>Advance to contractors (Capital)</b>		
Advance to Capital Contractors - Interest Free	12,185.43	75.68
Contractors materials control Account (capital)	-	-
<b>Total</b>	<b>12,440.56</b>	<b>145.07</b>

#### 5. INVENTORIES (AT LOWER OF COST OR NET REALIZABLE VALUE)

Particulars	As on 31-03-2021 (Rs. In Lakh)	As on 31-03-2020 (Rs. In Lakh) Restated
<b>1. Capital Stores and Spares</b>		
Fuel Stock	3.08	5.01
Capital Materials Stock A/c	7,202.44	7,283.22
Material Issues O&M	-	-
<b>2. O&amp;M Materials Stock A/c</b>	419.65	2,007.29
<b>3. Materials Stock Adjustments (Capital)</b>		
Materials Stock Adjustment (O&M)	-	-
Other Material Account	1,312.04	1,312.04
Material stock-Excess/Shortage pending investigation - Capital	-	-
<b>Less: Provision against stock</b>	<b>(3,203.05)</b>	<b>(3,203.05)</b>
<b>Net Total</b>	<b>5,734.16</b>	<b>7,404.51</b>

#### 6. CURRENT FINANCIAL ASSETS (CONSIDERED GOOD AND UNSECURED UNLESS OTHERWISE STATED)

##### (I). TRADE RECEIVABLES

Particulars	As on 31-03-2021 (Rs. In Lakh)	As on 31-03-2020 (Rs. In Lakh) Restated
Receivables against sale of power - APDCL	9,950.62	9,230.08
<b>Total</b>	<b>9,950.62</b>	<b>9,230.08</b>
<b>Break-up for security details :</b>		
<b>Trade receivables</b>		
Secured, considered good	-	-
Unsecured, considered good	9,950.62	9,230.08
Doubtful	-	-
<b>Total</b>	<b>9,950.62</b>	<b>9,230.08</b>

##### (II). CASH & CASH EQUIVALENTS

Particulars	As on 31-03-2021 (Rs. In Lakh)	As on 31-03-2020 (Rs. In Lakh) Restated
<b>Balances with banks:</b>		
- On current accounts	1,471.83	1,392.58
- On cash credit facilities	-	-
- On deposit accounts with original maturity of less than three months*	6,000.00	3,800.00
Cash in hand	69.79	64.87
<b>Total</b>	<b>7,541.62</b>	<b>5,257.45</b>

(i) Balances with bank includes closing bank balance of HQ as well as of all field units along with the fund in transit.

(ii) Fixed Deposits with Banks includes closing balance of fixed deposit at various banks.



**(III). BANK BALANCES OTHER THAN (II) ABOVE**

Particulars	As on 31-03-2021 (Rs. In Lakh)	As on 31-03-2020 (Rs. In Lakh) Restated
- On deposit accounts with remaining maturity of more than three months but less than 12 months *	77,414.70	72,513.02
<b>Total</b>	<b>77,414.70</b>	<b>72,513.02</b>

\*Short-term deposits are made for varying periods of between one day and twelve months, depending on the immediate cash requirements of the Company and on interest at the respective short-term deposit rates ranging from 6.50% - 8.75%.

For the purpose of the statement of cash flows, cash and cash equivalents comprise the following:

Particulars	As on 31-03-2021 (Rs. In Lakh)	As on 31-03-2020 (Rs. In Lakh) Restated
Balances with banks:		
- On current accounts	1,471.83	1,392.58
- On cash credit facilities	-	-
- Deposits with remaining maturity of less than three months	6,000.00	3,800.00
Cash on hand	69.79	64.87
	<b>7,541.62</b>	<b>5,257.45</b>

**(IV). LOANS (CONSIDERED GOOD AND UNSECURED UNLESS OTHERWISE STATED)**

Particulars	As on 31-03-2021 (Rs. In Lakh)	As on 31-03-2020 (Rs. In Lakh) Restated
Advances for O&M supplies/works	6,562.91	6,756.89
Loans and advances to staff	26.80	31.78
Others	52.85	52.59
<b>Total</b>	<b>6,642.56</b>	<b>6,841.26</b>

**(V). OTHER FINANCIAL ASSETS (CARRIED AT AMORTIZED COST)**

Particulars	As on 31-03-2021 (Rs. In Lakh)	As on 31-03-2020 (Rs. In Lakh) Restated
Amount recoverable from AGCL	230.69	230.69
Advance (to)/from APDCL	33.00	28.12
Advance (to)/from AEGCL	-	110.85
<b>Total</b>	<b>263.69</b>	<b>369.66</b>

**7. OTHER CURRENT ASSETS (CONSIDERED GOOD AND UNSECURED UNLESS OTHERWISE STATED)**

Particulars	As on 31-03-2021 (Rs. In Lakh)	As on 31-03-2020 (Rs. In Lakh) Restated
Fuel related receivables & claims (Railway claims for coal)	747.91	747.91
Fuel related receivables & claims (OIL)	1,394.47	1,394.47
Other receivables	14,417.81	12,907.25
Prepaid expenses	119.48	114.01
Income accrued but not due	2,426.90	3,230.09
Deposits	0.35	0.35
Loan receivable from State Government	210.14	-
Inter Unit A/c - Fuel	-	-
Inter Unit A/c - Capital Expenditure & Fixed Assets	-	-
Inter Unit A/c - Remittance to HQ	-	-
Inter-Unit Accounts-Funds Transfer From Head Office	-	-
Inter Unit A/c - Opening Balance	-	-
<b>Total</b>	<b>19,317.06</b>	<b>18,394.09</b>





7.1 Other receivable includes proportion of unfunded liabilities to be received from the Pension Trust on account of GPF & LEB payment. Claim for recovery of appropriate share (82.31%) of GPF & (58.97%) of LEB as past unfunded liabilities receivable from Pension Trust as per GoA notification No.PEL.190/2004/69 dtd. 4-02-05. The details is given as follows :

Receivable against GPF :	804.79
Receivable against LEB :	341.31
<b>Total Receivable during the year</b>	<b>1,146.09</b>

## 8. EQUITY SHARE CAPITAL

Particulars	As at March 31, 2021		As at March 31, 2020	
	No. of shares	Rs. In Lakh	No. of shares	Rs. In Lakh
<b>Authorised</b>				
At the beginning of the year	100000000	1,00,000.00	100000000	1,00,000.00
Increase / decrease during the year	-	-	-	-
<b>At the end of the year</b>	<b>100000000</b>	<b>1,00,000</b>	<b>100000000</b>	<b>1,00,000</b>

Particulars	As on 31-03-2021 (Rs. In Lakh)	As on 31-03-2020 (Rs. In Lakh)
<b>Issued, Subscribed and Fully Paid Up :</b>		
45,585,975 equity share of Rs 100/- each	45,585.98	45,585.98
<b>Total</b>	<b>45,585.98</b>	<b>45,585.98</b>

### a. Reconciliation of equity shares outstanding at the beginning and at the end of the period

Particulars	As at March 31, 2021		As at March 31, 2020	
	No. of shares	Rs.	No. of shares	Rs.
At the beginning of the year	45585975	45,585.98	45585975	45,585.98
Increase / decrease during the year	0	-	0	-
<b>At the end of the year</b>	<b>45585975</b>	<b>45,585.98</b>	<b>45585975</b>	<b>45,585.98</b>

### b. Terms/ rights attached to Equity shares

The Company has only one class of equity shares having par value of Rs.100 per share. Each holder of equity shares is entitled to one vote per share. The Company declares and pays dividends in Indian rupees. The dividend proposed by the Board of Directors is subject to the approval of the shareholders at the ensuing Annual General Meeting (AGM).

In the event of liquidation of the Company, the holders of equity shares will be entitled to receive remaining assets of the Company, after distribution of all preferential amounts, in proportion to the number of equity shares held by them.

### c. Details of shareholders holding more than 5% shares in the company

Particulars	As at March 31, 2021		As at March 31, 2020	
	No. of shares	% holding	No. of shares	% holding
Governor of Assam	45585967	99.99998	45585967	99.99998

As per records of the Company, including its register of shareholders/members and other declaration received from shareholders regarding beneficial interest, the above shareholding represent both legal and beneficial ownership of shares, unless stated otherwise.

### d. Shares issued for consideration other than cash

Particulars	As at March 31, 2021
Aggregate number of shares issued for consideration other than cash during the period of five years immediately preceding the reporting date:	45585975



## 9. OTHER EQUITY

Particulars	As on 31-03-2021 (Rs. In Lakh)	As on 31-03-2020 (Rs. In Lakh) Restated
<b>Capital Reserve*</b>		
Capital Reserve	1,32,486.07	1,03,068.91
<b>Total (A)</b>	<b>1,32,486.07</b>	<b>1,03,068.91</b>
<b>Surplus/(deficit) in the Statement of Profit and Loss</b>		
Profit (Loss) as per last Balance Sheet	(8,753.59)	(8,977.75)
Other Adjustments	(5.66)	(33.65)
Profit (Loss) for the year	(2,595.69)	257.82
<b>Net surplus/(deficit) in the Statement of Profit and</b>	<b>(11,354.94)</b>	<b>(8,753.59)</b>
	-	
<b>Total (A+B)</b>	<b>1,21,131.13</b>	<b>94,315.33</b>

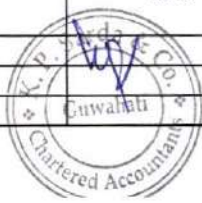
### \*Movement of Capital Reserve

Particulars	As on 31-03-2021 (Rs. In Lakh)	As on 31-03-2020 (Rs. In Lakh) Restated
<b>Grant from GoA -1</b>		
At the beginning of the year	73,902.93	73,624.47
Accrual during the year	2,214.16	278.46
Released to the statement of profit and loss	-	-
<b>At the end of the year</b>	<b>76,117.09</b>	<b>73,902.93</b>
<b>Grant from GoA -2 (EAP Central Share)</b>		
At the beginning of the year	23,797.09	22,081.06
Accrual during the year	27,203.00	1,716.03
Released to the statement of profit and loss	-	-
<b>At the end of the year</b>	<b>51,000.09</b>	<b>23,797.09</b>
<b>Grant from GoA-3(NABARD)</b>		
At the beginning of the year	4,284.42	4,284.42
Accrual during the year	-	-
Released to the statement of profit and loss	-	-
<b>At the end of the year</b>	<b>4,284.42</b>	<b>4,284.42</b>
<b>Donated Capital Assets</b>		
At the beginning of the year	1,084.48	1,084.48
Accrual during the year	-	-
Released to the statement of profit and loss	-	-
<b>At the end of the year</b>	<b>1,084.48</b>	<b>1,084.48</b>

## 10. FINANCIAL LIABILITIES

### (I). BORROWINGS

Particulars	Rate of Interest (%)	As on 31-03-2021 (Rs. In Lakh)	As on 31-03-2020 (Rs. In Lakh) Restated
<b>SECURED</b>			
Other parties - PFCL	9.76%-12.54%	30,022.11	32,096.28
<b>Total (A)</b>		<b>30,022.11</b>	<b>32,096.28</b>
<b>UNSECURED</b>			
From other parties - State Govt. (ADB)	10%	2,629.50	2,629.50
From other parties - State Govt. (GoA)	10%	25,174.66	29,381.87
<b>Total (B)</b>		<b>27,804.17</b>	<b>32,011.37</b>
<b>Total (A+B)</b>		<b>57,826.28</b>	<b>64,107.65</b>



Particulars	Terms of repayment and security
PFC Loan No. 62102002 (Rs. 125 Crs.)	Repayable in 180 structured monthly installments starting from January 15, 2007 to December 15, 2021. PFC Loan No. 62102002 is taken against hypothecation of future assets of KLHEP created out of the loan.
PFC Loan No. 62404001 (Rs. 18.28 Crs.)	Repayable in 60 structured quarterly installments starting from April 15, 2009 to January 15, 2024. PFC Loan No.62404001 is taken against hypothecation of future assets of R&M-II LTFS created out of the loan.
PFC Loan No. 62401001 (Rs. 165.45 Crs.)	Repayable in 60 structured quarterly installments starting from July 15, 2008 to April 15, 2023. PFC Loan No. 62401001 is taken against hypothecation of future assets of LWHRP created out of the loan.
PFC Loan No. 62401003 (Rs. 485 Crs.)	Repayable in 60 structured quarterly installments starting from October 15, 2018 to July 15, 2033. PFC Loan No. 62401003 is taken against hypothecation of future assets of NRPP created out of the loan.
GoA Loan	Repayable in 10 structured monthly installments. However no repayment is done yet except for one installment of KLHEP. All the governing terms & conditions regarding loans from GoA are being governed by GoA OM No.BW.22/89/175 dtd.27-03-06 or as specified in different sanction orders for different loans. In case of default in repayment of instalment of Principal & Interest, Penal Interest @2.75% are charged above the normal rate of interest.
ADB Loan	Repayment terms and other conditions yet to be informed by GoA. Accordingly no repayment provided for FY 2020-21 as current liabilities as against commented by Statutory Auditor

#### 11. PROVISION

Particulars	As on 31-03-2020 (Rs. In Lakh)	As on 31-03-2019 (Rs. In Lakh) Restated
<b>Provision For Employees Benefits</b>		
Provision For Employees Benefits	10,316.09	9,511.30
<b>Total</b>	<b>10,316.09</b>	<b>9,511.30</b>

(i) Claim for recovery of appropriate share (82.31%) of GPF & (58.97%) of LEB as past unfunded liabilities receivable from Pension Trust as per GoA notification No.PEL.190/2004/69 dtd. 4-02-05. The details is given as follows :

Receivable against GPF : Rs. In Lakh 804.79

#### 12. OTHER NON CURRENT LIABILITIES

Particulars	As on 31-03-2021 (Rs. In Lakh)	As on 31-03-2020 (Rs. In Lakh) Restated
GPF	2,331.88	2,877.49
Others	-	3,215.50
<b>Total</b>	<b>2,331.88</b>	<b>6,092.98</b>



### 13. FINANCIAL LIABILITIES

#### (I). TRADE PAYABLES

Particulars	As on 31-03-2021 (Rs. In Lakh)	As on 31-03-2020 (Rs. In Lakh) Restated
Total outstanding dues of micro and small enterprises		
<b>Total outstanding dues of creditors other than micro and small enterprises *</b>		
Liabilities for Supply of Gas	2,660.06	3,553.74
Liabilities for Transportation of Gas	2,136.30	2,037.97
<b>Total</b>	<b>4,796.36</b>	<b>5,591.70</b>

**\* Terms and conditions of the above financial liabilities:**

Trade payables are interest bearing and are normally settled on 15-30-day terms  
For explanations on the companies credit risk management processes, refer note

GAS SUPPLIERS & TRANSPORTERS	Rs. In Crore
OIL	1,296.44
AGCL	3,371.96
GAIL	127.96
<b>TOTAL</b>	<b>4,796.36</b>

#### (II). OTHER FINANCIAL LIABILITIES (AT AMORTIZED COST)

Particulars	As on 31-03-2021 (Rs. In Lakh)	As on 31-03-2020 (Rs. In Lakh) Restated
<b>Current Maturities of Long Term Debt</b>		
Repayment due to State Govt. Loan	36,995.09	31,647.34
Interest accrued but not due on Borrowings	996.34	735.18
Interest accrued and due on Borrowings*	45,338.62	37,581.53
Repayment due to PFC Loan	4,590.21	4,395.66
<b>Total</b>	<b>87,920.26</b>	<b>74,359.71</b>

\* Interest accrued and due on borrowings includes :-

(a) State Govt Loan	44511.96
(b) PFC Loan	826.67

#### 14. OTHERS CURRENT LIABILITIES

Particulars	As on 31-03-2021 (Rs. In Lakh)	As on 31-03-2020 (Rs. In Lakh) Restated
<b>Provision For Employes Benefits</b>		
Staff related gratuity provision (NPS)	1,546.87	1,258.56
Salaries, wages, bonus	433.35	461.86
Employees' contribution & recoveries	44.71	49.68
Employees' contribution & recoveries in Transfer scheme of ASEB	139.36	139.36
<b>Other Payables</b>		
Deposits and retention from suppliers and contractors	8,790.69	8,337.00
Liabilities for capital supplies /works	5,787.22	5,058.06
Liabilities for supplies/works(O&M)	1,792.48	1,639.07
Other Liabilities	3,145.10	5,321.48
Advance (to) /from AEGCL	84.26	-
Staff Pension Fund (DCP)	73.61	67.82
Liabilities to railways for Coal receipt	739.37	739.37
<b>Total</b>	<b>22,577.01</b>	<b>23,072.25</b>

#### 15. PROVISION

Particulars	As on 31-03-2021 (Rs. In Lakh)	As on 31-03-2020 (Rs. In Lakh) Restated
Provision for Liability for Expenses	23.69	2,080.54
Liability for Pension	59.56	76.15
Provision of Audit Fees	4.77	4.38
Provision for Building & other Construction workers welfare cess	8.63	1.80
Prov. for Regulatory liability	-	-
<b>Total</b>	<b>96.65</b>	<b>2,162.86</b>



## Assam Power Generation Corporation Limited

Notes to the Ind AS financial statements as at and for the year ended March 31, 2021

### 16. REVENUE FROM OPERATIONS

Particulars	For the year ended March 31, 2021 Rs. In Lakh	For the year ended March 31, 2020 Rs. In Lakh Restated
<b>Sale of products</b>		
Gross Sale of Power to APDCL	44,676.08	48,210.53
Less: Fuel Price Adjustment (FPA)	(9,413.95)	1,972.78
Other Adjustments**	-	230.69
<b>Total Revenue from operations</b>	<b>35,262.13</b>	<b>50,414.00</b>

\*\* Other Adjustments 2019-20 includes Debit Note to AGCL towards Generation Loss

### 17. OTHER INCOME

Particulars	For the year ended March 31, 2021 Rs. In Lakh	For the year ended March 31, 2020 Rs. In Lakh Restated
Rebate for timely payment	1.94	5.66
Misc. receipts	393.16	302.19
Rentals from staff quarters	2.37	2.02
Other Income from trading	81.60	-
Sale of scrap	28.05	-
Sundry credit balances written back	5,171.75	-
<b>Total</b>	<b>5,678.88</b>	<b>309.87</b>

### 18. FINANCE INCOME

Particulars	For the year ended March 31, 2021 Rs. In Lakh	For the year ended March 31, 2020 Rs. In Lakh Restated
<b>Interest</b>		
Interest on House Building Advances to Staff	-	-
Interest on Investment (Fixed Deposit)	3,059.78	5,158.16
Interest from Banks (other than interest on fixed deposits)	0.08	1.18
Rebate received for timely payment of dues of loans, interest, etc.	32.14	52.73
<b>Total</b>	<b>3,092.00</b>	<b>5,212.08</b>

### 19. COST OF MATERIALS CONSUMED

Particulars	For the year ended March 31, 2021 Rs. In Lakh	For the year ended March 31, 2020 Rs. In Lakh Restated
<b>Indigenous</b>		
Gas consumption	17,829.32	28,733.61
Lubricants and consumable stores	175.67	365.54
<b>Total</b>	<b>18,005.00</b>	<b>29,099.14</b>



## 20. EMPLOYEE BENEFITS EXPENSES

Particulars	For the year ended March 31, 2021 Rs. In Lakh	For the year ended March 31, 2020 Rs. In Lakh Restated
Salaries	5,799.65	6,343.03
Overtime	74.03	173.20
Dearness Allowance	865.78	945.49
Other Allowances	912.64	1,009.61
Bonus	12.77	13.44
Sub Total	7,664.87	8,484.78
Less:-Employees cost capitalised	664.40	638.12
<b>Total Salaries and Wages</b>	<b>7,000.48</b>	<b>7,846.66</b>
<b>Contribution to provident and other funds</b>	<b>1,597.94</b>	<b>1,429.21</b>
	<b>1,597.94</b>	<b>1,429.21</b>
Medical expenses reimbursement	13.36	11.74
Leave travel concession (L. T.C)	-	2.14
Earned leave encashment.	253.12	494.78
Other Staff Cost	41.03	0.51
Capacity building expenses	0.94	33.78
Staff Welfare	7.34	21.80
<b>Total Staff Welfare Expenses</b>	<b>315.80</b>	<b>564.74</b>
<b>TOTAL:</b>	<b>8,914.21</b>	<b>9,840.61</b>

Contribution to Provident and Other Funds' includes, 33.50% of Pay and DA of employees who joined in service prior to 01-01-2004 and 14% of Pay and DA of employees who joined in service after 01-01-2004.

## 21. OTHER EXPENSES

Particulars	For the year ended March 31, 2021 Rs. In Lakh	For the year ended March 31, 2020 Rs. In Lakh Restated
<b>Manufacturing Expenses</b>		
Repair and Maintenance of Plant and Machinery	4,111.08	1,593.98
Repair and Maintenance of Building	182.03	317.34
Repair and Maintenance of Hydraulic Works	185.71	89.29
Repair and Maintenance of Civil Works	70.77	52.38
Repair and Maintenance of Lines, Cable Net Works etc	11.84	1.65
Repair and Maintenance of Vehicles	0.47	2.78
Repair and Maintenance of Furniture and Fixures	2.49	4.38
Repair and Maintenance of Office Equipment	7.53	10.76
	-	-
<b>Establishment Expenses</b>		
Rent Rates and Taxes	41.59	70.41
Insurance	252.72	211.87
Telephone Charges,	4.58	2.94
Postage, Telegram & Tele Charges	2.89	8.57
Cost Audit Fees	0.70	0.66
Legal charges	74.06	10.20
Audit Fee	5.51	12.76
Consultancy charges	38.51	121.88
Technical Fee	1.00	-
Other Professional Charges	2.80	6.73
Conveyance and Travel	34.29	56.81
Other administrative expenses	379.66	340.55



Freight	0.34	0.08
Board Meeting expenses	10.13	12.74
Other misc. expenses	55.46	28.80
Other Charitable expenses	32.03	13.78
Fees paid to AERC	140.00	115.00
<b>Total</b>	<b>5,648.18</b>	<b>3,086.33</b>
Less:- Administration and General Expenses capitalised	8.09	9.38
<b>Net Total</b>	<b>5,640.09</b>	<b>3,076.95</b>

## 22. DEPRECIATION AND AMORTIZATION EXPENSE

Particulars	For the year ended	For the year ended
	March 31, 2021	March 31, 2020
	Rs. In Lakh	Rs. In Lakh
		Restated
Building	125.23	127.06
Hydraulic	941.25	941.20
Other civil works	763.49	763.17
Plant & machinery	3,432.98	3,374.56
Lines & cable network	114.54	112.73
Vehicles	0.67	0.67
Furniture & fixtures	7.25	6.60
Office equipment	12.11	10.95
Roads on land belonging to others	2.68	2.68
Capital spares at generating stations	279.92	283.16
<b>Total</b>	<b>5,680.11</b>	<b>5,622.77</b>

## 23. FINANCE COSTS

Particulars	For the year ended	For the year ended
	March 31, 2021	March 31, 2020
	Rs. In Lakh	Rs. In Lakh
		Restated
<b>Interest Expenses</b>		
Interest on State Govt. Loan	6,103.94	5,789.27
Interest on State Govt. Loan - Penal Interest	1,713.23	1,406.28
Interest on PFC Loan	4,366.27	4,467.76
Interest on GoA (ADB) Loan	262.95	258.22
Interest on GPF	185.01	248.95
Less: Interest Capitalised	4,246.57	4,192.58
<b>Total</b>	<b>8,384.82</b>	<b>7,977.89</b>
<b>Other Borrowing Costs</b>		
Bank charges	4.46	6.82
Other Costs	-	-
<b>Total</b>	<b>4.46</b>	<b>6.82</b>
<b>Total</b>	<b>8,389.28</b>	<b>7,984.71</b>

'Interest Expenses' capitalised against PFC loan of NRPP.

₹ 3,745.67 Lakh

'Interest Expenses' capitalised against State Govt. Loan.

₹ 486.88 Lakh

'Interest Expenses' capitalised against GoA (ADB) Loan.

₹ 14.02 Lakh



#### 24. Basic Earning/(Loss) per share ('EPS')

Basic EPS amounts are calculated by dividing the profit/(loss) for the year attributable to equity holders of the company by the weighted average number of Equity shares outstanding during the year.

Diluted EPS amounts are calculated by dividing the profit/(loss) attributable to equity holders of the Company by the weighted average number of Equity shares outstanding during the year plus the weighted average number of Equity shares that would be issued on conversion of all the dilutive potential Equity shares into Equity shares.

The following reflects the profit/(loss) and share data used in the basic and diluted EPS computations:

Particulars	For the year ended March 31, 2021 Rs.	For the year ended March 31, 2020 Rs. Restated
Net profit/(loss) for calculation of basic and diluted EPS (Rs.)	(25,95,68,970)	2,57,81,692
Total number of equity shares outstanding at the end of the year	4,55,85,975	4,55,85,975
Weighted average number of equity shares in calculating basic and diluted EPS	4,55,85,975	4,55,85,975
<b>Basic and diluted EPS (Rs.)</b>	<b>(5.69)</b>	<b>0.57</b>

#### 25. Note on Re-statement of Financial Statement

A. During the Financial Year 2020-21, the Company has restated its financial statement for the FY 2019-20 & earlier years for prior period years retrospectively in Compliance to Ind AS 8 - Accounting Policies, Changes in Accounting Estimates & Errors. The said restatements are due to reasons that are reported and commented by the Statutory/CAG auditors and other such errors.

##### B. Impact of the rectification are as follows:

1. The amount of correction at the beginning of earliest period i.e. on 01-04-2019

Other Equity decreased by Rs. 2176.03 Lakhs as on 01-04-2019

2. FY 2019-20

On restatement of comments by the Statutory/CAG auditors and other errors the Profit before taxes decreased by 232.81 Lakhs as on 31-03-2020

Current tax liability decreased by Rs. 62.27 Lakhs





## Assam Power Generation Corporation Limited

### Notes to the Ind AS financial statements as at and for the year ended March 31, 2021

#### 26. DISCLOSURE OF SIGNIFICANT ACCOUNTING JUDGEMENTS, ESTIMATES AND ASSUMPTIONS

The preparation of the Company's financial statements requires management to make judgements, estimates and assumptions that affect the reported amounts of revenues, expenses, assets and liabilities, and the accompanying disclosures, and the disclosure of contingent liabilities. Uncertainty about these assumptions and estimates could result in outcomes that require a material adjustment to the carrying amount of assets or liabilities affected in future periods.

##### Judgements, estimates and assumptions

The judgements and key assumptions concerning the future and other key sources of estimation uncertainty at the reporting date, that have a significant risk of causing a material adjustment to the carrying amounts of assets and liabilities within the next financial year, are described below. The Company based its judgements, assumptions and estimates on parameters available when the financial statements were prepared. Existing circumstances and assumptions about future developments, however, may change due to market changes or circumstances arising that are beyond the control of the Company. Such changes are reflected in the assumptions when they occur.

##### Taxes

Deferred tax assets are recognized for unused tax losses to the extent that it is probable that taxable profit will be available against which the losses can be utilized. Significant management judgement is required to determine the amount of deferred tax assets that can be recognized, based upon the likely timing and the level of future taxable profits together with future tax planning strategies.

The Company is having history of losses and unabsorbed depreciation that may not be used to offset taxable income. The Company does not have any tax planning opportunities available that could partly support the recognition of these losses as deferred tax assets. On this basis, the Company has determined that it cannot recognize deferred tax assets on the tax losses carried forward and unabsorbed depreciation.

##### Fair value measurement of financial instruments

When the fair values of financial assets and financial liabilities recorded in the balance sheet cannot be measured based on quoted prices in active markets, their fair value is measured using valuation techniques including the DCF model. The inputs to these models are taken from observable markets where possible, but where this is not feasible, a degree of judgement is required in establishing fair values at each reporting date. Judgements include considerations of inputs such as liquidity risk, credit risk and volatility. Changes in assumptions about these factors could affect the reported fair value of financial instruments.

#### 27. FAIR VALUES

The Company assessed that cash and cash equivalents, trade receivables, other bank balances, trade payables, fixed rate borrowings, current maturity of long term borrowings, interest accrued but not due on borrowings, interest accrued but due on borrowings, dues payable towards purchase of property, plant and equipment, vehicles loan, security deposit, loan to employees, loans and advances etc. approximate their carrying amounts largely due to the short-term maturities of these instruments.

The fair value of the financial assets and liabilities is included at the amount at which the instrument could be exchanged in a current transaction between willing parties, other than in a forced or liquidation sale.

#### 28. FINANCIAL RISK MANAGEMENT OBJECTIVES AND POLICIES

The Company's principal financial liabilities, comprise trade and other payables. The main purpose of these financial liabilities is to finance the Company's operations and to provide guarantee to support its operations. The Company's principal financial assets include loans, trade and other receivables, and cash and cash equivalents that derive directly from its operations.

The Company is exposed to market risk, credit risk and liquidity risk. The Company's senior management oversees the management of these risks and also ensure that the Company's financial risk activities are governed by appropriate policies and procedures and that financial risks are identified, measured and managed in accordance with the Company's policies and risk objectives.

The Board of Directors reviews and agrees policies for managing each of these risks, which are summarized below:



### Market risk

Market risk is the risk that the fair value of future cash flows of a financial instrument will fluctuate because of changes in market prices. Market risk comprises of interest rate risk. Financial instruments affected by market risk include deposits.

The sensitivity analysis in the following sections relate to the position as at March 31, 2021 and March 31, 2020

The sensitivity analyses have been prepared on the basis that the amount of net debt, the ratio of fixed to floating interest rates of the debt are all nearly constant at March 31, 2021 and March 31, 2020

The analysis exclude the impact of movements in market variables on: the carrying values of gratuity and other post-retirement obligations, provisions.

The sensitivity of the relevant profit and loss item is the effect of the assumed changes in the respective market risks. This is based on the financial assets and financial liabilities held as of March 31, 2021 and March 31, 2020

#### a. Interest rate risk

Interest rate risk is the risk that the fair value or future cash flows of a financial instrument will fluctuate because of changes in market interest rates. The Company's exposure to the risk of changes in market interest rates relates primarily to the long-term debt obligations with floating interest rates.

#### Interest rate sensitivity

The following table demonstrates the sensitivity to a reasonably possible change in interest rates on that portion of loans and borrowings affected. With all other variables held constant, the Company's profit/(loss) before tax is affected through the impact on floating rate borrowings, as follows:

(Rs.)

Particulars	Increase / decrease in basis points	Effect on profit before tax
<b>March 31, 2021</b>		
INR	+50 bps	(3,04,83,482)
INR	-50 bps	3,04,83,482
<b>March 31, 2020</b>		
INR	+50 bps	(3,31,24,163)
INR	-50 bps	3,31,24,163

The assumed movement in basis points for the interest rate sensitivity analysis is based on the currently observable market environment, showing a significantly higher volatility than in prior years.

#### b. Credit risk

Credit risk is the risk that counterparty will not meet its obligations under a financial instrument or customer contract, leading to a financial loss. The Company is exposed to credit risk from its operating activities (primarily trade receivables) and from its financing activities, including deposits with banks and financial institutions and other financial instruments.

#### Trade receivables

Customer credit risk is managed subject to the Company's established policy, procedures and control relating to customer credit risk management. Credit quality of a customer is assessed based on individual credit limits are defined in accordance with this assessment. The entire sale of the company is made to APDCL (A Govt. of Assam company)

#### Financial instruments and cash deposits

Credit risk from balances with banks and financial institutions is managed by the Company's treasury department in accordance with the Company's policy. Investments of surplus funds are made in deposits only with approved banks/mutual funds/commercial papers and within limits assigned to each bank by the Company.



## Liquidity risk

Liquidity risk is the risk that the Company will encounter in meeting the obligations associated with its financial liabilities that are settled by delivering cash or another financial asset. The approach of the Company to manage liquidity is to ensure, as far as possible, that these will have sufficient liquidity to meet their respective liabilities when they are due, under both normal and stressed conditions, without incurring unacceptable losses or risk damage to their reputation.

The Company monitors its risk of a shortage of funds through fund management exercise at regular intervals.

The table below summarizes the maturity profile of the Company's financial liabilities based on contractual undiscounted payments.

(Rs. In Lakh)						
As at March 31, 2021	On demand	Less than 1 year	1 to 3 years	3 to 5 years	> 5 years	Total
<b>Other financial liabilities</b>						
Interest accrued and due on borrowings	45338.62	-	-	-	-	45338.62
Interest accrued and not due on borrowings	-	996.34	-	-	-	996.34
<b>Trades and other payables*</b>						
Trades payables (including dues payable towards purchase of property, plant and equipment)	-	-	-	-	-	4796.36
		4796.36				

As at March 31, 2020	On demand	Less than 1 year	1 to 3 years	3 to 5 years	> 5 years	Total
<b>Other financial liabilities</b>						
Interest accrued and due on borrowings	37581.53	-	-	-	-	37581.53
Interest accrued and not due on borrowings	-	735.18	-	-	-	735.18
<b>Trades and other payables*</b>						
Trades payables (including dues payable towards purchase of property, plant and equipment)	-	-	-	-	-	5,591.70
		5591.70				

\*Trade payables are interest bearing and are normally settled on 15-30 days terms, however as per terms of agreements with certain vendors, the credit period may extend beyond normal terms.

## 29. CAPITAL AND OTHER COMMITMENTS

(Rs. In Lakh)		
Particulars	As at March 31, 2021	As at March 31, 2020
Estimated amount of contracts remaining to be executed on capital account and not provided for (net of advances)	1,10,281.43	2,216.87

## 30. CONTINGENT LIABILITIES / LITIGATIONS :



I. APGCL on contrary has raised a debit note to AGCL for an amount of Rs. 4121.22 lac vide letter No. APGCL/LTPS/GM/2015/T-13 (A)/332 dt. 12/06/2015 for its failure to transport the compressed Gas with adequate flow and charging rate for transportation of compressed gas instead rate for uncompressed Gas. The claims are disputed and hence no provision against the above claim of AGCL is made. APGCL has adjusted Rs. 3363.89 lakh to AGCL towards Lakwa TPS for the period October'14 to March'21 with respect to the debit note raised..

(III) For implementation of MSHEP, 233 begha 1 katha & 5 lecha of land was handed over by Danka Circle to APGCL after payment of land allotment fee of Rs. 58313/- & at the time of handing over possession there was no intimation of adverse possession & no list of effected people was provided & question of land compensation was not raised. Later during implementation period section of local people of nearby areas have demanded land compensation from the project authority on the pleas that certain plot of land of the project belongs to them. After several correspondences made by APGCL, DC Karbi Anglong by a letter vide No. KGRA-224/2013/LA/33 dated 24.03.2014 informed APGCL that pattas were issued to certain individuals over the land allotted to APGCL by Karbi Anglong Autonomous Council after the order of allotment dated 21.09.2006 to APGCL in violation of provisions of revenue rules. The matter is currently subjudice. No provision against this probable land compensation is made in the account.

### 31. CAPITAL MANAGEMENT

For the purpose of the Company's capital management, capital includes issued equity capital, share premium and all other equity reserves attributable to the equity holders of the Company. The primary objective of the Company's capital management is to maximize the shareholder value.

The Company manages its capital structure and makes adjustments in light of changes in economic conditions and the requirements of the financial covenants, if any. To maintain or adjust the capital structure, the Company may adjust the dividend payment to shareholders, return capital to shareholders or issue new shares. The Company monitors capital using a gearing ratio, which is net debt divided by total capital plus net debt. The Company policy is to keep gearing ratio between 20% to 40%. The Company includes within net debt, interest bearing loans and borrowings, less cash and cash equivalents.

Particulars	(Rs. In Lakh)		
	As at March 31, 2021	As at March 31, 2020	As at March 31, 2019
Borrowings (refer note 10 & 13(II))	57826.28	64107.65	68389.00
Less: Cash and cash equivalents (refer note 6(II))	7541.62	5257.45	38962.87
<b>Net debt</b>	<b>50284.66</b>	<b>58850.20</b>	<b>29426.13</b>
Equity share capital (refer note 8)	45585.98	45585.98	45585.98
Other equity (refer note 9)	121131.13	94315.33	89920.64
<b>Capital and net debt</b>	<b>217001.77</b>	<b>198751.50</b>	<b>164932.75</b>
<b>Gearing ratio</b>	<b>23%</b>	<b>30%</b>	<b>18%</b>

### 32. SEGMENT INFORMATION

The Company is primarily engaged in a single business segment of manufacture and sale of power and hence this is the only reportable primary business segment. Since the entire sales of the Company are affected in the domestic market, there is only one reportable geographical segment i.e. India.

There are no revenues from transactions with a single external customer amounting to 10 per cent or more of an entity's revenues during the current and previous year.

### 33. DEFERRED TAX ASSET

The Company has deferred tax assets (primarily representing unabsorbed depreciation and losses under income tax law) in excess of deferred tax liabilities. In the absence of virtual certainty that sufficient future taxable income would be available against which such deferred tax assets can be realized, the Company has not recognized the net deferred tax assets.

34. The Company has earned a Loss of Rs.(25,95,68,970)/- (March 31, 2020 : Rs.2,57,81,692/-) for the year ended March 31, 2021 and its net current assets stands at Rs.117,11,33,402/- (March 31, 2020 : Rs.152,83,37,431/-) as at the year end.



**35. Disclosure as per Ind AS-24“Related party Disclosure”**

**a. Whole Time Directors:**

V. K. Pipersenia	Chairman
Kalyani Baruah	Managing Director

**b. Parent Entities**

The Governor of Assam holds 99.98% ownership interest in APGCL including and as on March 31, 2021.

Particulars	As on 31-03-2021	As on 31-03-2020
Purchase or sales of Goods or services		
Other transaction	Nil	Nil
Dividend		

**c. Key Managerial Personnel:**

- i) Smti Bimala Brahma: Chief Financial Officer.
- ii) Smti Nayana Das: Company Secretary

**d. Managing Director's & Key Managerial Personnel's Remuneration:**

Particulars	Salary & Allowances, Contribution to PF and other benefits	
	Current Year	Previous Year
Smti Kalyani Baruah	Rs.24,14,400	Rs.24,59,944
Smti Bimala Brahma	Rs.14,34,915	Rs.15,67,545
Smti Nayana Das	Rs.15,06,900	Rs.14,87,865
<b>Total:</b>	<b>Rs. 53,56,215</b>	<b>Rs. 55,15,354</b>

**e. Transaction with Related Parties:**

Particulars	As on 31-03-2021	As on 31-03-2020
Sales and purchase of goods and services		
sale of goods to associates	Nil	Nil
purchase of raw materials from associates		
purchase of various goods and services from entities controlled by key management personnel		
Professional services	Nil	Nil
Other transactions		
Loans and outstanding balances		

**36. Operational Performance:**

The operational performance of the company is detailed in Annexure-A.



**37. Disclosures vide notification No.GSR 719(E) of Ministry of Corporate Affairs dated 16-11-07:**

Outstanding amount to fuel suppliers of APGCL as on 31-03-21 in rupees Lakh is as tabulated below –

Supplier	Outstanding principal (Rs. In Lakh)	Total (Rs. In Lakh)
OIL	1296.44	1296.44
GAIL	127.96	127.96
AGCL	3371.96	3371.96

There are no suppliers in APGCL who fall under Micro, Small & Medium Enterprises Development Act, 2006.

**38.** In the Tariff Order passed by AERC on 15<sup>th</sup> February, 2021, the Commission has approved an amount of Rs.63.26 Crore as revenue surplus which needs to be adjusted with APDCL. This surplus is to be refunded to APDCL in twelve equal monthly installments of Rs. 5.27 Crore in FY 21-22.

The above regulatory liability of Rs. 63.26 Crore shall be billed in FY 21-22 (from April'21 to March'22) as per the Hon'ble AERC's order and hence accounting shall be done in FY 21-22.

**39.** Certain Staff quarters at KLHEP are occupied by a battalion of CRPF for which rental income is taken on cash basis in accounts due to uncertainty and irregularity of receipt of rent. Hence although bills are raised, accounting is done on as and when received.

**40.** During the FY, a debit note is issued to APDCL towards delay payment charges for Rs. 88.44 Lakhs in line with PPA and AERC Regulations.

**41.** In respect of Gratuity to the employees fall under NPS, a provision has been made in the Accounts for an amount of Rs. 1546.87 lakh against the earlier provision of Rs. 1258.56 lakh.

Leave encashment benefit of employees under NPS are entitled at the time of retirement/ superannuation of the employee. During the period of service the employees avail earned leave at various time as per their need as well as per due approval of the competent authority. So, the ascertainment of the balance leave earned at the end of the year by each employee is not feasible and hence no provision for leave encashment benefit is provided in the accounts. However, the Company is going to implement ERP in the next financial year and the provision for leave encashment benefit shall be made accordingly.

**42.** During the FY 2020-21, GPF liability of Rs. 3244.51 Lakh is written back and treated as "Other income". The GPF liability was overstated under the head "Other Non-Current liabilities" and hence a detailed employee wise statement is prepared and balances reconciled thereafter and excess liability was written back in view of the comments of the statutory auditor in its report for the FY 2019-20.

During the FY 2020-21, Provision for Liability for Expenses of Rs. 1927.24 Lakh is also written back and treated as "Other income" The said provision was made with respect to payouts of Pay revision of the corporation.

**43.** Value of imports calculated on C.I.F. basis:

Value of imports calculated on C.I.F. basis incurred during the year 2020-21 on import of Capital goods is Rs. Nil/-.

**44.** Expenditure in foreign currency:

The Expenditure in foreign currency incurred during the year 2020-21 on import of capital goods is Rs. Nil/-.

**45.** Number of employees who are in receipt of emoluments aggregating to Rs.60, 00,000/- per annum or Rs.5,00,000/- per month as per Companies (Particulars of Employees) Rules, 1975 is NIL.

**46.** An amount of Rs.3,00,00,000/- was sanctioned as overdraft by pledging fixed deposit of Rs.3,00,00,000/- with State Bank of India, New Guwahati Branch.



**Assam Power Generation Corporation Limited**  
**Notes to Ind AS financial statements for the year ended March 31, 2021**

Details of Fixed Deposits held as margin money or security against borrowing, guarantee, other commitment:

Sl. No	Purpose	Bank	Amount
1	LC against OIL	Indian Bank	2,00,00,000
2	LC against GAIL	Indian Bank	7,74,00,000
3	BG against Guwahati High Court	HDFC Bank	36,00,000
4	LC against M/S VOITH HYDRO	HDFC Bank	2,19,17,028
5	LC against M/S VOITH HYDRO	Axis Bank	2,52,06,811

47. The Company prepares Bank Reconciliation Statement regularly for each bank a/c in its name.

48. Details of remuneration to Auditors:

Particulars	Amount including Service Tax (in Rs.)
Statutory Audit Fee	3,56,950.00
Cost Audit Fee	61,500.00
Tax Audit	29,500.00
<b>Total</b>	<b>4,47,950.00</b>

As per our separate report of even date  
**For K.P SARDA & Co.**

Chartered Accountants  
 Firm Registration No. 319206E

(CA. K P Sarda)  
 Partner

Membership No.: 054555  
 UDIN : 21054555AAAAQNA012  
 Place : GUWAHATI  
 Date : 27/10/2021



**For and on behalf of**  
**Assam Power Generation Corporation Limited**

(Shri Jishnu Barua, IAS)  
**Chairman**

(Shri A K Safiquz Zaman)  
**Chief Financial Officer**

Place : Guwahati  
 Date : 27<sup>th</sup> September, 2021

(Shri Dipankar Nath)  
**Managing Director**

(Smti. Nayana Das)  
**Company Secretary**

**ASSAM POWER GENERATION CORPORATION LIMITED**

**ANNEXURE - A**

**OPERATIONAL PERFORMANCE**

Sl. No.	Particulars	2020-21	2019-20
(1)	(2)	(3)	(4)
<b>1</b>	<b>Installed Capacity (MW)</b>		
	(a) Thermal		
	(b) Hydel	110.5	110.50
	(c) Gas	231.46	266.46
	<b>Total</b>	<b>341.96</b>	<b>376.96</b>
<b>2</b>	<b>Power Generated (MU)</b>		
	(a) Thermal		
	(b) Hydel		
		KLHEP	202.618
		MSHEP	31.251
	(c) Gas		
		NTPS	231.079
		LTPS	447.573
		LRPP	477.074
	<b>Total Generation (MU)</b>	<b>1389.595</b>	<b>1546.392</b>
<b>3</b>	<b>Auxiliary Consumption (MU)</b>		
	(a) Hydel		
		KLHEP	0.563
		MSHEP	0.313
	(b) Gas		
		NTPS	12.353
		LTPS	36.959
		LRPP	9.666
	<b>Total Auxiliary Consumption (MU)</b>	<b>59.854</b>	<b>69.314</b>
<b>4</b>	<b>Total power available for sale (MU)</b>	<b>1329.741</b>	<b>1477.077</b>
<b>5</b>	<b>Power sold (MU)</b>	<b>1329.741</b>	<b>1477.077</b>
<b>6</b>	<b>Units generated per MW of installed capacity (in Lakh unit)</b>	<b>40.6</b>	<b>41.0</b>
<b>7</b>	<b>Plant Load Factor (%)</b>		
	(a) Thermal		
	(b) Hydel		
		KLHEP	23.00%
		MSHEP	33.98%
	(c) Gas		
		NTPS	31.66%
		LTPS	51.03%
		LRPP	79.27%
<b>8</b>	<b>Percentage of generation to installed capacity</b>		
	(a) Thermal		
	(b) Hydel	24.16%	44.15%
	(c) Gas	57.00%	47.94%
<b>9</b>	<b>Fuel</b>		
	a) Gas Consumption (MMSCM)		
		NTPS	109.19
		LTPS	120.64
		LRPP	110.14
	b) Average calorific value of Gas (Kcal/SCM)		
		NTPS	9149
		LTPS	9282
		LRPP	9282
	c) Gas Consumption per unit of generation (in SCM/Kwh)		
		NTPS	0.4725
		LTPS	0.2696
		LRPP	0.2309





**Annexure No. 3 - Statutory auditor report for  
FY 2020-21**

## INDEPENDENT AUDITORS' REPORT

### TO THE MEMBERS OF ASSAM POWER GENERATION CORPORATION LIMITED

#### Report on the Audit of the Standalone Financial Statements

#### 1. Opinion

We have audited the accompanying standalone financial statements of **ASSAM POWER GENERATION CORPORATION LIMITED ("the company")** which comprises the Balance Sheet as at March 31, 2021, the Statement of Profit and Loss (including other comprehensive income), statement of changes in equity and statement of cash flows for the year then ended, and notes to the standalone financial statements, including a summary of significant accounting policies and other explanatory information (hereinafter referred to as "the standalone financial statements").

In our opinion and to the best of our information and according to the explanations given to us, except for the possible effects of the matter described in the Basis for Qualified Opinion paragraphs, the aforesaid standalone IND-AS financial statements give the information required by the Companies Act 2013 ("Act") in the manner so required and give a true and fair view in conformity with the accounting principles generally accepted in India, of the state of affairs of the Company as at March 31, 2021, and its profit, total comprehensive income, the changes in equity and cash flows for the year ended as on that date.

#### 2. Basis for Qualified Opinion

We conducted our audit in accordance with the Standards on Auditing (SAs) specified under section 143(10) of the Companies Act, 2013. Our responsibilities under those Standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are independent of the Company in accordance with the Code of Ethics issued by the Institute of Chartered Accountants of India together with the ethical requirements that are relevant to our audit of the financial statements under the provisions of the Companies Act, 2013 and the Rules thereunder, and we have fulfilled our other ethical responsibilities in accordance with these requirements and the Code of Ethics. Our observations on which our opinion is based have been attached as per Annexure C. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our qualified opinion on the standalone Ind-AS financial statements.



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### **3. Key Audit Matters**

Key audit matters are those matters that, in our professional judgment, were of most significance in our audit of the financial statements of the current period. These matters were addressed in the context of our audit of the financial statements as a whole, and in forming our opinion thereon, and we do not provide a separate opinion on these matters.

Reporting of key audit matters as per SA 701, Key Audit Matters are not applicable to the Company as it is an unlisted company.

### **4. Other Information**

The Company's Board of Directors is responsible for the preparation of the other information. The other information comprises the information included in the Board's Report including annexures to Board's Report, Business Responsibility Report but does not include the standalone financial statements and our auditor's report thereon.

Our opinion on the standalone financial statements does not cover the other information and we do not express any form of assurance conclusion thereon.

In connection with our audit of the standalone financial statements, our responsibility is to read the other information and, in doing so, consider whether the other information is materially inconsistent with the standalone financial statements or our knowledge obtained during the course of our audit or otherwise appears to be materially misstated.

If, based on the work we have performed, we conclude that there is a material misstatement of this other information, we are required to report the fact. We have nothing to report in this regard.

### **5. Responsibility of Management for the Standalone Financial Statements**

The Company's board of directors is responsible for the matters stated in section 134 (5) of the Act with respect to the preparation of these financial statements that give a true and fair view of the financial position, financial performance including other comprehensive income, cash flows and changes in equity of the Company in accordance with the Indian Accounting Standards (Ind AS) prescribed under section 133 of the Act read with the **Companies (Indian Accounting Standards) Rules, 2015** and Companies (Indian Accounting Standards) Rules, 2016, as amended from time to time, and other accounting principles generally accepted in India.



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This responsibility also includes maintenance of adequate accounting records in accordance with the provisions of the Act for safeguarding of the assets of the Company and for preventing and detecting frauds and other irregularities; selection and application of appropriate accounting policies; making judgments and estimates that are reasonable and prudent; and design, implementation and maintenance of adequate internal financial controls, that were operating effectively for ensuring the accuracy and completeness of the accounting records, relevant to the preparation and presentation of the financial statement that give a true and fair view and are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is responsible for assessing the Company's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Company or to cease operations, or has no realistic alternative but to do so.

The Board of Directors are also responsible for overseeing the company's financial reporting process.

## **6. Auditor's Responsibility for the Audit of the Financial Statements**

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with SAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with SAs, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.



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- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances. Under section 143(3)(i) of the **Companies Act, 2013**, we are also responsible for expressing our opinion on whether the company has adequate internal financial controls system in place and the operating effectiveness of such controls
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Company's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Company to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

We also provide those charged with governance with a statement that we have complied with relevant ethical requirements regarding independence, and to communicate with them all relationships and other matters that may reasonably be thought to bear on our independence, and where applicable, related safeguards.

From the matters communicated with those charged with governance, we determine those matters that were of most significance in the audit of the financial statements of the current period and are therefore the key audit matters. We describe these matters in our auditor's report unless law or regulation precludes public disclosure about the matter or when, in extremely rare circumstances, we determine that a matter should not be communicated in our report because the adverse consequences of doing so would reasonably be expected to outweigh the public interest benefits of such communication.



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**7. Report on other legal and regulatory requirements**

1. As required by the Companies (Auditor's Report) Order, 2016 ("the Order") issued by the Central Government of India in terms of sub-section (11) of section 143 of the Companies Act, 2013, we give in the Annexure "A" a statement on the matters specified in paragraphs 3 and 4 of the Order, to the extent applicable

2. As required by section 143 (3) of the Act, we report that:

- a. We have sought and except for the matters described in the Basis for qualified opinion paragraph, obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of our audit.
- b. Except for the possible effects of the matter described in the Basis for qualified opinion paragraph above, in our opinion proper books of account as required by law have been kept by the company so far as it appears from our examination of those books (and proper returns adequate for the purposes of our audit have been received from branches not visited by us)
- c. The Balance Sheet, the Statement of Profit and Loss and Cash Flow statement dealt with by this report are in agreement with the books of account (and with the returns received from branches not visited by us)
- d. Except for the possible effects of the matter described in the Basis for qualified opinion paragraph above, In our opinion, the aforesaid standalone financial statements comply with the Accounting Standards specified under section 133 of the Act, read with Rule 7 of the Companies (Accounts) Rules, 2014.
- e. In terms of MCA Notification dated 05.06.2015 under section 462 of the Companies Act, 2013, provisions relating to disqualification of directors for five years under section 164(2) of the act are not applicable to Government Companies.
- f. With respect to the adequacy of the internal financial controls over financial reporting of the Company and the operating effectiveness of such controls, refer to our separate report in "Annexure B".



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g. With respect to the other matters to be included in the Auditor's Report in accordance with Rule 11 of the Companies (Audit and Auditors) Rules, 2014, in our opinion and to the best of our information and according to the explanations given to us :

- i) Necessary information has not been furnished in respect of other pending litigations existing as on the date of the financial statement and whether existence of such liability whether reported or not have material impact on the financial statement also not stated and hence unable to comment.
- ii) The company did not have any long term contracts including derivative contracts for which there were any material foreseeable losses.
- iii) There were no amounts which were required to be transferred to the Investor Education and Protection Fund by the Company.

3. As required under section 143 (5) of the Companies Act 2013, we give in Annexure-D to this report, a statement on the directions issued by the Comptroller and Auditor General of India.

**For K P Sarda & Co.**

Chartered Accountants

FRN : 319206E



**(CA. K P Sarda)**

Partner

Membership No. 054555

UDIN : 21054555AAAAQN4012  
Place : Guwahati  
Date : 27/10/2021

**ANNEXURE A TO THE AUDITOR'S REPORT**

With Reference to paragraph 1 under the heading "**Report on other legal and regulatory requirements**" of the report of the auditor's to the members of **ASSAM POWER GENERATION CORPORATION LIMITED** on the accounts for the year ended on 31st March, 2021 we report that:

- (i) (a) The company has not maintained proper records showing full particulars including quantitative details and situation of fixed assets.
- (b) As reported, the company does not have any policy of physical verification of fixed assets and hence question of adjustment of discrepancies if any does not arise. However, external agencies have been appointed for the verification of assets and the process is expected to be completed in FY 2021-22.
- (c) The title deeds of immovable properties held in the name of the company was not produced before us for verification. As per the previous auditor's comment, the title deeds of land measuring 19 Bighas, 1 Katha & 15 Lechas at Namrup Thermal Power Station, Namrup was not in the name of the corporation and same is still persisting.
- (ii) As explained to us, the Company has not conducted physical verification of inventories during the year end but they have already engaged external agencies for the same. The verification procedure is expected to completed in FY 2021-22.
- Moreover, the value of Other Material Account and Provision against stock are same as they were as at 31st March, 2017 and the same need to be reviewed.
- (iii) According to information and explanations given to us and on the basis of our examination of the books of accounts, the company has not granted any loans to bodies corporate & other parties covered in the register maintained under section 189 of the Companies Act, 2013 during the year. Accordingly, sub clause (a), (b) and (c) are not applicable.
- (iv) According to information and explanation given to us, the company has complied with the provisions of Section 185 & 186 of the Companies Act, 2013 in respect of loans, investments, guarantees and security.
- (v) Based on our scrutiny of the Company's records and according to information and explanation given to us, we are of the opinion that the company has not accepted any deposits from the public during the year.



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- (vi) We have broadly reviewed the cost records maintained by the company pursuant to the rules made by the Central Government for maintenance of cost records under Section 148(1) of the Companies Act, 2013 and we are of the opinion that prima facie the prescribed accounts and records have been made and maintained. We have however not made a detailed examination of the said records as we were unable to visit the production units of the company due to Covid-19 restrictions with a view to determine the accuracy or completeness of the record.
- (vii) According to information and explanation given to us and the books of accounts examined by us in respect of statutory dues of the Company :
- (a) According to the information and explanations given to us, and on the basis of our examination of the records of the company, amounts deducted/accrued in the books of account in respect of statutory dues including provident fund, income tax, sales tax, value added tax, wealth tax, service tax, duty of customs, excise duty, cess and other material statutory dues have been regularly deposited during the year by the company with appropriate authorities. There are no undisputed statutory dues as on the last day of the financial year concerned for a period of more than six months from the date they became payable.
- (b) According to the information and explanation given to us, there are no disputed amounts payable in respect of income tax, sales tax, value added tax, customs duty, excise duty, cess and other material statutory dues outstanding as at the year end.
- (viii) In our opinion and according to the information and explanations given to us, the Company has not defaulted in the repayment of dues to financial institutions, banks or debenture holders during the year except to the State Government where principal and interest is not being repaid.
- (ix) In our opinion and according to the information and the explanations given to us, the Company did not raise money either through Initial Public Offer or further Public Offer including debt instruments during the year. In our opinion and according to explanation given to us, we state that we cannot comment on the utilization of the term loans raised by the company as the company is not maintaining any project wise investment and source of investment details.



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- (x) During the course of our examination of the books and records of the company, carried out in accordance with the generally accepted auditing practice in India and according to information and explanation given to us, we have neither come across any instance of material fraud on or by the company, noticed or reported during the year, nor have we been informed of any such case by management.
- (xi) As per the Notification dated 05.06.2015 issued by Ministry of Corporate Affairs, the provisions of section 197 relating to managerial remuneration shall not apply to a Government company.
- (xii) In our opinion, the Company is not a Nidhi Company. Hence, the matters relating to Nidhi Company is not applicable in case of the company.
- (xiii) According to the information and explanations given to us and based on our examination of the records of the company, transactions entered by the company with the related parties are in compliance with section 177 and 188 of the Companies Act, 2013. Where applicable, the details of such transactions have been disclosed in the Financial Statements as required by the applicable accounting standards.
- (xiv) Based upon the audit procedures performed and the information and explanations given by the management, the company has not made any preferential allotment or private placement of shares or fully or partly convertible debentures during the year under review. Accordingly, the provisions of clause 3 (xiv) of the Order are not applicable to the Company and hence not commented upon.
- (xv) Based upon the audit procedures performed and the information and explanations given by the management, the company has not entered into any non-cash transactions with with directors or persons connected to him and therefore, provisions of clause 3(xv) of the order are not applicable to the Company.
- (xvi) According to available information and in our opinion, the company is not required to be registered under section 45 IA of the Reserve Bank of India Act, 1934. Accordingly the provisions of clause 3(xvi) of the order are not applicable to the Company.

**For K P Sarda & Co.**  
Chartered Accountants  
FRN : 319206E



**(CA. K P Sarda)**  
Partner

Membership No. 054555

UDIN : 21054555AAAAQN4012  
Place : Guwahati  
Date : 27/10/2021

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Chatribari Road, Guwahati - 781001, Assam  
🌐 <http://kpsardaco.org.in>

## **ANNEXURE 'B' TO THE INDEPENDENT AUDITOR'S REPORT**

### **Report on the Internal Financial Controls under Clause (i) of Sub-section 3 of Section 143 of the Companies Act, 2013 ("the Act")**

We have audited the internal financial controls over financial reporting of **ASSAM POWER GENERATION CORPORATION LIMITED** as of March 31, 2021 in conjunction with our audit of the financial statements of the Company for the year ended on that date.

#### **Management's Responsibility for Internal Financial Controls**

The Company's Management is responsible for establishing and maintaining internal financial controls based on the internal control over financial reporting criteria established by the Company considering the essential components of internal control stated in the Guidance Note on Audit of Internal Financial Controls Over Financial Reporting ('the Guidance Note') issued by the Institute of Chartered Accountants of India ('ICAI'). These responsibilities include the design, implementation and maintenance of adequate internal financial controls that were operating effectively for ensuring the orderly and efficient conduct of its business, including adherence to Company's policies, the safeguarding of its assets, the prevention and detection of frauds and errors, the accuracy and completeness of the accounting records, and the timely preparation of reliable financial information, as required under the Companies Act, 2013.

#### **Auditors' Responsibility**

Our responsibility is to express an opinion on the Company's internal financial controls over financial reporting based on our audit. We conducted our audit in accordance with the Guidance Note and the Standards on Auditing ('the Standards'), issued by the ICAI and deemed to be prescribed under section 143(10) of the Act, to the extent applicable to an audit of internal financial controls. Those Standards and the Guidance Note require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether adequate internal financial controls over financial reporting was established and maintained and if such controls operated effectively in all material respects.

Our audit involves performing procedures to obtain audit evidence about the adequacy of the internal financial controls system over financial reporting and their operating effectiveness. Our audit of internal financial controls over financial reporting includes obtaining an understanding of internal financial controls over financial reporting, assessing the risk that a material weakness exists, and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. The procedures selected depend on the auditor's judgement, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion on the Company's internal financial controls system over financial reporting.

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## Meaning of Internal Financial Controls over Financial Reporting

A Company's internal financial control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A Company's internal financial control over financial reporting includes those policies and procedures that (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the Company; (2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the Company are being made only in accordance with authorizations of management and directors of the Company; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorised acquisition, use, or disposition of the Company's assets that could have a material effect on the financial statements.

## Inherent Limitations of Internal Financial Controls over Financial Reporting

Because of the inherent limitations of internal financial controls over financial reporting, including the possibility of collusion or improper management override of controls, material misstatements due to error or fraud may occur and not be detected. Also, projections of any evaluation of the internal financial controls over financial reporting to future periods are subject to the risk that the internal financial control over financial reporting may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

## Opinion

The system of internal financial controls over financial reporting with regard to the Company were not made available to us to determine if the Company has established adequate internal financial control over financial reporting and whether such internal financial controls were operating effectively as at March 31, 2021.

We have considered the disclaimer reported above in determining the nature, timing and extent of audit tests applied in our audit of the standalone financial statements of the Company, and the disclaimer has affected our opinion on the financial statements of the standalone Company and we have issued a qualified opinion on the financial statements.

**For K P Sarda & Co.**  
Chartered Accountants  
FRN : 319206E



  
**(CA. K P Sarda)**  
Partner

Membership No. 054555

UDIN : 21054555AAAAQN4012  
Place : G u w a h a t i  
Date : 27/10/2021

**ANNEXURE C TO THE INDEPENDENT AUDITORS REPORT**

**FOR THE YEAR ENDED 31.03.2021**

**(Referred to in Paragraph 2 of our report of even date)**

1. **BORROWINGS**

A) **UNSECURED LOAN**

**GOVT LOAN**

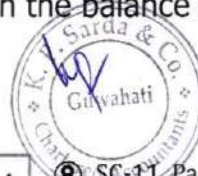
The company avails loan from State Govt for various projects under state plan. The sanction letter of Government in respect of Govt. Loans received during the year was produced during audit.

The Company is not repaying loans to GOA and consequently making provisions for penal interest in its books of accounts. During the year under audit the Company has booked an amount of Rs. 1713.23 lakhs against penal interest. It is pertinent to mention that the AERC does not allow/consider, any penal interest amount paid by the company to the suppliers/vendors/lenders, for determination of tariff. Hence, the Company may have to absorb all penal interest amount payable to GOA as it may not be realisable through tariff as revenue.

**ADB LOAN**

The Company is treating the amount received from ADB (Asian Development Bank) at par with amount received from Government of Assam (GOA). The funding pattern for the same is considered in the ratio 90:10, whereby 90% of the fund received is treated as Grant and remaining 10% is treated as loan (Circular regarding the same not made available to us). Consequently, the Company is providing interest on the loan component @ 10% p.a. at par with loan from GOA.

As per Schedule III of The Companies Act, 2013 the amount of instalments payable in next twelve months from the Balance sheet Date shall be classified under the Head Other Current Liabilities – Current Maturities of Long Term Debt. But the said Disclosures requirements have not been duly complied in the case of ADB Loan as repayment terms and other conditions are yet to be confirmed by GoA. We suggest that the terms should be finalised as early as possible, in absense of which the Borrowings has been overstated and Other current liabilities has been understated in the balance sheet.



Contd...P/2..

## 2. OTHER NON CURRENT LIABILITIES

### **GPF**

A sum of Rs. 2331.88 lakhs is shown under the above head which represents the amount of subscription, GPF Advance made; recovery of such advance and final withdrawal of GPF of the employees of its erstwhile organisation ASEB who were absorbed by APGCL and interest provision made thereon. But, due to non inclusion of the name of APGCL in the schedule to the Provident Fund Act, 1925 and non-approval of the APGCL Trust Regulation and APGCL GPF Rules 2011 by the Govt. Of Assam, the above amount is still lying under the above head and is being used by the Company and no specific investment of the same is made.

Employee wise liability of GPF as on 31.03.2021 for the purpose of verification of liability shown in the books of accounts was furnished to us and on verification of the same, it was found that Rs. 3244.51 have been written off and taken as income in the books of accounts of the corporation as part of the rectification of excess liability shown relating to earlier years.

### **TRADE PAYABLES**

Trade Payable represents liability towards OIL & GAIL for supply of fuel to the power stations of the Company at Lakwa and Namrup and liability towards Assam Gas Company Ltd. (AGCL) for transportation of Gas. The total outstanding amount payable to these suppliers as per the books of accounts stood at Rs 4796.36 lakhs as on 31.03.2021. The balance of GAIL is matching with the confirmation produced before us for verification but the balance of OIL and AGCL needs to be reconciled as no account confirmation have been produced before us for verification. Moreover there was earlier practice of recognising unconfirmed amount in the contingent liability. Since no confirmation have been received by OIL and AGCL, no contingent liability have been recognised in the current year financials.



Contd...P/3..

**3. OTHER CURRENT LIABILITIES**

**A) PROVISIONS FOR EMPLOYEE BENEFIT**

**Employees' contribution and recoveries – Miscellaneous Recoveries from Staff amounting to Rs 139.35 lakhs**

The amount of miscellaneous recoveries from staff amounting to Rs. 139.36 lacs are long outstanding entries and need to be reviewed.

**B) OTHER PAYABLES**

**(i) Deposits and Retention from Suppliers and Contractors – Rs 8791 Lakhs.**

The details of liability as shown under the above head were not available during the audit. As informed to us, party wise and ledger wise details are not maintained and hence details relating to the same is not provided to us.

**(ii) Liabilities For Capital Supplies/Works – Rs 5787.21 Lakhs  
Liabilities for Supplies Works (O&M) – Rs 1792.48 Lakhs**

No age wise, party wise, bill wise breakup of the above two heads was furnished. The company has not maintained any sub ledger maintained as such we could not verify whether the liability is long outstanding requiring write off if any and its impact on the financial statements. Further, no balance confirmation from the parties was produced for verification.

**(iii) Other liabilities – Rs 3145.09 lakhs**

The following amount are shown under the above head

Railway Credit Notes –Coal – Rs 1851.15 lakhs

Income Tax deducted at source on payment to contractors – Rs 49.98 lakhs

Liability for Assam Sales Tax (VAT)/GST – Rs 69.48 lakhs.

Liability for Entry Tax – Rs. 2.99 lakhs

Income received in Advances – Rs. 1067.85 lakhs

Other miscellaneous liabilities – Rs 103.63 lakhs



Contd...P/4..

:: 4 ::

Out of above, Railway Credit Notes-Coal and Other Miscellaneous Liability of Rs 1851.15 lakhs and Rs 103.63 lakhs are long outstanding and are brought forward balances. Moreover, liabilities to railways for coal amounting to Rs. 739.37 lakhs are also long outstanding.

These long outstanding entries need to be reviewed and restructuring of the accounts should be done as early as possible.

#### 4. **FIXED ASSETS**

The company has not maintained records, showing particulars including details and situation of Fixed Assets. Further title deeds of freehold land as on 31.03.2021 was not produced to us for our verification.

We have been informed that the Fixed Assets have not been physically verified by the management during the year. However, as reported to us, the management has started the process for valuation and verification of fixed assets and the same is expected to be completed during the FY 2021-22.

#### 5. **INVENTORY**

As explained to us, the Company has not conducted any physical verification of inventories during the year end but we have been informed by the management that the company has started the process for valuation and verification of inventories and the same is expected to be completed during the FY 2021-22. Hence the accuracy of the figure of inventories as shown in the financial statements cannot be relied upon.

Further, the Company has made a provision against stock for Rs 3203.05 lakhs and other material account amounting to Rs. 1,312.04 lakhs which is being continued as such since last several years and no basis for such provision could be produced to the audit. Therefore, we cannot comment on such provision. However, the process of verification and valuation of inventories have already been started and according to the management commentary, the same will be adjusted once the entire verification process is completed.



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**6. BALANCE WITH BANK**

Account Balance statements of bank accounts were produced before audit and verified. The old non reconciled entries appearing in the bank reconciliation statement of the corporation has been rectified and necessary adjustments has been made in the current year financials.

A closing balance of Rs. 40,000/- equivalent to opening balance of Rs. 40,000/- was shown under Pension bank account for the financial year ending 31.03.2021. No explanation in respect of non operation of account and no account confirmation for the same have been provided to us for verification.

**7. FIXED DEPOSIT WITH BANK**

The balance as per FD Statements received from banks is matching with the balance as per books of accounts. However the interest on FD as recorded in the financial statements could not be verified from the Form 26AS of the Income Tax Department as the same was not updated till the date of our verification.

**8. LOANS**

The following amount are shown under the above head  
Advance for O&M supplies/works – Rs 6562.91 lakhs  
Loans and advances to staff – Rs 26.79 lakhs  
Others - Rs. 52.85 lakhs

Party wise details and staff wise details of the above figure along with ledgers (if any) was not made available to us.

**9. OTHER CURRENT ASSETS**

Other Current Assets include Fuel related Receivables & Claims {Railway claims for Coal}, Fuel related Receivables & Claims {OIL}, Advance recoverable from Contractors and Deposits having Closing Balance of Rs 747.91 lakhs, Rs. 1,394.47 lakhs, Rs 144.05 lakhs and Rs 0.35 lakhs, are all opening figures and old outstanding carried forward balances which requires proper adjustment or write off after fulfilment of necessary formalities.

Contd...P/6..

:: 6 ::

As the figures are long outstanding and proper details are also not available on record, such figures cannot be classified as current assets as was already pointed in previous year reports also. Necessary adjustments are required to be made in the books of the accounts.

As per the notes of the corporation, other receivables includes portion of unfunded liabilities to be received from the Pension Trust on account of GPF & LEB payment, which is receivable since past many years and is not yet received. Such long outstanding receivables cannot be classified as current assets. The same should be rectified and reclassified as non current assets since the time frame involved in more than 12 months.

Further more, a figure of Rs. 210.14 lakhs have been shown as Loan Receivable from State Government under **Note - 7 : Other Current Assets**. This is vastly against the principles of accounting as loan receivable cant be accounted for until the same is actually received.

#### 10. **OTHER INCOME**

It has been observed from the internal audit report of FY 2019-20 (till Sep'20) that an army unit is residing at LTPS campus, however APGCL has not recovered amount with respect to rent and electricity consumption amounting to Rs. 17.42 lakhs till Sep'20 and the same issue was also pointed out in the previous year audit report(s). Such blockade of outstanding revenue receipts are costing huge financial loss for the company.

Further more, a battalion of CRPF has occupied staff quarters at Karbi Langpi (KLHEP) on rent. The company is raising bill but the same has not been accounted for in the books of the company which is in gross violation of Ind AS 115. The total amount not accounted for till 31.05.2020 is amounting to Rs. 30,37,216/- and no realisation has been made against the same.

Both the above point has resulted in an understatement of income and current assets in the financial statements.



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## 11. **EMPLOYEE BENEFIT EXPENSES**

The company has two categories of employees one being those who were in service of erstwhile ASEB and became employee of the company on bifurcation and other category being employees appointed by the company after its formation. As regard to employees of erstwhile ASEB the company is contributing @33.50% of basic pay plus D.A. to the pension trust for all post employment benefit of those employees including pension, gratuity & leave encashment. But settlement of claim relating to P.F % leave encashment is done by the company and is claimed form the pension trust with as defined ratio of the past unfunded liability. Thus the contribution made for such employees are in the nature of defined benefit plan and no actuarial gain or losses is ascertained & provided for.

Due to non accounting of actuarial gain or loss & non availability of details of plan we could not ascertain its impact on the financial statement & profitability of the company. As regard other category of the employees employed by the company it is making contribution towards national pension scheme which is defined contributory plan. But for leave encashment no provision is made & no actuarial liability is ascertained. However disclosure has been made in the notes to accounts attached to the financial statements.

As such the loss of the company is understated by understating long term liability to the extent of actuarial amount of leave encashment payable for the service rendered during the year under audit & in past years.

No proper explanation could be furnished before audit and hence we cannot comment on the employee benefit cost incurred by the Company.

As per Section 21 of the Contract Labour (Regulation and Abolition) Act, 1970, the principal employer and contractor have responsibility to maintain registers and records of contract labours, work performed by them, wages and other particulars as specified in the rule. The Company however is not maintaining any registers and records of contract labours and thus violating provisions of contract Labour (Regulation and Abolition) Act, 1970.



Contd...P/8..

**12. PROVISIONS, CONTINGENT LIABILITIES AND CONTINGENT ASSETS**

No suit register, if any maintained as such we could not verify whether any suit against the company is pending and amount involved therein.

No register of contingent liability and / or of capital commitment, if any maintained is maintained and no such sum is shown as contingent liability and capital commitment by the company where huge capital commitment was outstanding as at 31/03/2021 in respect of ongoing projects of NRPP, LRPP, LWHRP, NWHRP, LKHEP etc. quantification of which cannot be done by us for want of details.

Therefore, in our opinion the requirements of INS-AS: 37 have not been compiled.

**13. IMPAIRMENT OF ASSETS**

The company has adopted the policy of determination of impairment loss and charging the same to the statement of profit and loss and the same is spelt out in policy no. L of significant accounting policies.

There are indication that asset of company might have impaired as the company has undertaken replacement power project for both of its main producing units viz. LTPS, NTPS and CTPS is shut down long ago but no exercise is carried out to find whether there is any impairment loss. However, as per the management comments, the company has started the process of verification and valuation of assets and ascertainment of impairment of assets will be done once the process is completed in FY 21-22.



Contd...P/9..

**14. OTHER POINTS AND DISCLAIMER REGARDING NON VISIT OF UNITS**

1. We were not able to visit various units of the corporation viz. LTPS, NTPS and KHLEP due to the travel restrictions in place all over the state with a view to combat the spread of Covid-19 virus. As such, we have relied upon the management statements regarding the transactions in the units. We have not physically verified any of the records of the units and hence we cannot comment on the accuracy of the same.

2. The internal audit reports for the FY 2020-21 with respect to various units were made available to us (except a couple of units as the same was not completed till the date of our audit). The reports were carefully evaluated and studied. We have also not verified the compliance status of the observations pointed out in the internal audit report of FY 2019-20 due to non-visit of the units. As such, we cannot comment on the compliance status of the same. But on careful scrutiny of the various internal audit reports relating to various units, it was observed that persistent observations of similar nature is being pointed out again and again and necessary rectifications are not made at the field level. Such non compliances should be looked after and necessary rectifications should be made so that it presents a clear picture of the financials of APGCL.

3. Although, bank statements and BRS of the various units were produced before us for verification, we were unable to make an in-depth analysis of the transactions due to non visit of units. The vouching and physical verification have not been made due to the reasons listed above in point no. 1.

UDIN : 21054555AAAAQN4012  
Place : Guwahati  
Date : 27/10/2021



**For K P Sarda & Co.**  
Chartered Accountants  
FRN : 319206E



**(CA. K P Sarda)**  
Partner  
Membership No. 054555

**AUDITORS' COMPLIANCE CERTIFICATE**

We have conducted the audit of accounts of **ASSAM POWER GENERATION CORPORATION LIMITED** having its registered office at **BIJULEE BHAWAN, PALTAN BAZAR, GUWAHATI** for the financial year ended on March 31, 2021 in accordance with the directions/sub-directions issued by the Comptroller & Auditor General of India under section 143 (5) of the Companies Act 2013 and certify that we have complied with all the directions / sub directions issued to us.

UDIN : 21054555AAAAQN4012  
Place : Guwahati  
Date : 27/10/2021



**For K P Sarda & Co.**  
Chartered Accountants  
FRN : 319206E

  
**(CA. K P Sarda)**  
Partner

Membership No. 054555

**Annexure "D" to the Independent Auditors' Report**

*Referred to in paragraph 3 under the heading "Report on other legal and regulatory requirements" of our Report on even date*

**DIRECTIONS UNDER SECTION 143(5) OF THE COMPANIES ACT, 2013**

S.No.	Directions	Reply
1	Whether the company has system in place to process all the accounting transactions through IT system? If yes, the implications of processing of accounting transactions outside IT system on the integrity of the accounts along with the financial implications, if any, may be stated.	As informed to us the Company doesn't have any system in place to process all the accounting transactions through IT system.
2	Whether there is any restructuring of an existing loan or cases of waiver/write off of debts /loans/interest etc. made by a lender to the company due to the company's inability to repay the loan? If yes, the financial impact may be stated.	As per information given to us, there was no case of restructuring of an existing loan or cases of waiver/ write off of debts/ loans/ interest etc. made by a lender to the company due to the company's inability to repay the loan,
3	Whether funds received/receivable for specific schemes from central/ state agencies were properly accounted for/ utilized as per its term and conditions? List the cases of deviation.	On our verification, it appeared that the company has maintained project wise details of expenses and while auditing the financial statement of the corporation we have not noticed any such deviations.

**For M/s. K P Sarda & Co.**  
Chartered Accountants  
FRN No. 319206E



*(Signature)*

**(CA. K P Sarda)**  
Partner  
Membership No. 054555

**UDIN : 21054555AAAAAQN4012**  
**Date : 27/10/2021**  
**Place : Guwahati**

**Annexure No. 4 – SLDC certificate for FY 2020-  
21**





**TO WHOM IT MAY CONCERN**

This is to certify that the plant wise Gross Generation, Import, Export, Auxiliary Consumption and Plant Availability Factor of LTPS, LRPP, NTPS and KLHEP of APGCL for the FY 2020-21 are as stated below:

**APGCL GENERATION DATA FOR THE FY 2020-21  
 FOR LTPS, LRPP, NTPS and KLHEP**

(Gross Gen., Export, Import, Auxiliary Consumption and Plant Availability Factor)

STATION	CAPACITY (MW)	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	TOTAL
<b>LTPS+LRPP Import &amp; Export</b>														
Energy Imported (MU)		1.542	1.785	0.687	1.518	4.130	3.065	3.956	2.459	0.979	0.737	0.231	1.247	22.336
Energy Exported (MU)		61.859	70.516	73.366	65.861	65.573	66.244	73.782	71.236	83.473	94.642	84.013	69.236	879.800
Actual Energy Sent Out (MU)		60.317	68.124	72.558	64.343	61.258	63.179	69.826	68.741	82.494	93.905	83.233	90.046	878.022
<b>LTPS</b>														
LTPS Actual Gross (MU)	97.2	19.682	28.669	34.529	40.238	27.167	33.348	42.359	36.807	39.694	52.754	44.328	47.997	447.573
LTPS Pro-rata Energy Sent out (MU)		17.391	26.033	31.440	36.691	24.534	30.612	39.005	33.953	36.671	48.994	40.948	44.342	410.614
Total Aux. Cons. (MU)		2.291	2.636	3.089	3.547	2.632	2.736	3.354	2.854	3.022	3.760	3.381	3.655	36.959
LTPS Avg. Declared Capacity(MW)		26.96	39.11	47.74	53.84	43.28	45.740	53.740	49.260	49.560	69.160	68.560	66.780	51.097
Plant Availability LTPS(%)		29.35%	42.58%	51.97%	58.61%	47.12%	49.80%	58.51%	53.63%	53.96%	75.29%	74.64%	72.70%	55.63%
<b>LRPP</b>														
LRPP Actual Gross (MU)	69.755	43.876	42.891	41.886	28.479	37.665	33.258	31.494	35.476	46.658	45.728	43.029	46.633	477.073
LRPP Pro-rata Energy Sent out (MU)		42.925	42.092	41.118	27.652	36.724	32.567	30.821	34.788	45.822	44.911	42.285	45.704	467.408
Total Aux. Cons. (MU)		0.951	0.799	0.768	0.827	0.942	0.691	0.673	0.689	0.836	0.817	0.744	0.929	9.665
LRPP Avg. Declared Capacity(MW)		60.61	60.80	59.79	48.64	51.99	58.54	56.15	52.58	62.28	65.19	65.52	64.27	58.69
Plant Availability LRPP(%)		90.04%	90.32%	88.82%	72.26%	77.24%	86.97%	83.42%	78.11%	92.52%	96.85%	97.34%	95.48%	87.19%
<b>NTPS</b>														
NTPS Actual Gross (MU)	99.5	20.355	10.660	18.212	14.359	12.069	13.265	21.819	18.946	25.589	26.702	23.603	25.500	231.079
NTPS Energy Imported (MU)		0.044	2.157	0.521	2.143	2.270	3.700	0.540	1.267	0.155	0.011	0.182	0.037	13.026
NTPS Energy Exported (MU)		19.542	11.994	17.744	15.516	13.299	15.850	21.085	19.183	24.680	25.637	23.030	24.437	231.996
NTPS Energy Sent out (MU)		19.498	9.838	17.223	13.373	11.029	12.150	20.544	17.916	24.523	25.626	22.606	24.400	218.726
Total Aux. Cons. (MU)		0.857	0.822	0.989	0.986	1.040	1.115	1.275	1.030	1.066	1.076	0.997	1.100	12.353
NTPS Avg. Declared Capacity(MW)		29.30	21.74	27.83	26.28	16.19	16.88	33.21	27.66	37.74	38.06	37.43	38.46	39.15
Plant Availability NTPS(%)		30.83%	22.88%	29.29%	27.66%	17.04%	17.76%	44.52%	37.08%	50.59%	51.02%	50.17%	51.55%	33.47%
<b>KLHEP</b>														
KLHEP Actual Gross (MU)	100	0.000	13.165	35.624	35.325	32.343	30.825	0.000	0.000	3.968	20.956	16.378	14.034	202.618
KLHEP Energy Sent out (MU)		0.000	13.138	35.564	35.261	32.269	30.763	0.000	0.000	3.948	20.851	16.296	13.964	202.055
KLHEP Energy Imported (MU)														
KLHEP Energy Exported (MU)		0.000	13.138	35.564	35.261	32.269	30.763	0.000	0.000	3.948	20.851	16.296	13.964	202.054
Total Aux. Cons. (MU)		0.000	0.027	0.060	0.064	0.074	0.062	0.000	0.000	0.020	0.105	0.082	0.070	0.563
KLHEP Avg. Declared Capacity (MW)		0.00	50.00	50.00	50.00	50.00	43.33	0.00	0.00	6.45	45.65	50.00	65.48	34.23
Plant Availability KLHEP(%)		0.00%	50.11%	50.09%	50.09%	50.12%	43.42%	0.00%	0.00%	6.48%	45.88%	50.25%	65.81%	34.40%



## Assam Electricity Grid Corporation Limited

Registered Office: 1<sup>st</sup> Floor, Bijulee Bhawan, Paltanbazar, Guwahati-781 001

CIN: U40101AS2003SGC007238

Phone-036 1-2739520 / Fax-0361 -2739513 Web: www.aegcl.co.in

**Note:** For LTPS and LRPP the Export and Import are shown commonly as both the power stations are exporting and importing power through the common Switchyard. The Sent out energy has been derived on pro-rata basis as already submitted to the SLDC in the monthly Sent out Energy statements.

Date:

The gross generation, export, Import Auxiliary consumption & Plant availability as submitted by LTPS, LRPP, NTPS & KLHEP are found to be correct.

*RB*  
24/11/2021  
Assistant Manager, SLDC  
AEGCL, Kahilipara, Ghy-19

Chief General Manager, SLDC  
AEGCL, Kahilipara, Guwahati-19

Chief General Manager, SLDC  
AEGCL, Kahilipara, Guwahati-19



# Assam Electricity Grid Corporation Limited

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## TO WHOM IT MAY CONCERN

This is to certify that the Gross Generation of NTPS and LTPS in open cycle and combined cycle mode for FY 2020-21 and FY 2021-22 (Up to September'2021) are as stated below:

### APGCL GENERATION DATA FOR THE FY 2020-21 & FY 2021-22 (Till Sep'2021) Gross Generation of NTPS & LTPS in OPEN CYCLE and COMBINED CYCLE MODE

Open cycle and Combined cycle generation of NTPS for the FY 2020-21 :

NTPS		Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	TOTAL
NTPS Open Cycle Generation	MU	16.5	8.9	16.9	11.3	9.6	11.0	17.1	15.8	20.1	20.921	18.324	19.873	186.318
NTPS Closed Generation	MU	3.9	1.7	1.3	3.1	2.4	2.2	4.8	3.1	5.5	5.781	5.279	5.627	44.687
NTPS Total Generation	MU	20.4	10.7	18.2	14.4	12.1	13.3	21.8	18.9	25.6	26.7	23.6	25.5	231.079

Open cycle and Combined cycle generation of LTPS for the FY 2020-21 :

LTPS		Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	TOTAL
LTPS Open Cycle Generation	MU	13.7	19.6	23.2	26.7	18.6	22.4	28.1	24.3	27.9	35.469	30.803	34.054	304.792
LTPS Closed Generation	MU	6.0	9.1	11.3	13.5	8.6	10.9	14.3	12.5	11.8	17.285	13.525	13.943	142.781
LTPS Total Generation	MU	19.7	28.7	34.5	40.2	27.2	33.3	42.4	36.8	39.7	52.8	44.3	48.0	447.573

Open cycle and Combined cycle generation of NTPS for the FY 2021-22 :

NTPS		Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	TOTAL
NTPS Open Cycle Generation	MU	14.715	17.349	10.703	8.022	11.465	14.310	76.564
NTPS Closed Generation	MU	3.410	2.469	0.376	0.000	1.131	2.507	9.893
NTPS Total Generation	MU	18.125	19.818	11.079	8.022	12.596	16.817	86.457

Open cycle and Combined cycle generation of LTPS for the FY 2021-22 :

LTPS		Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	TOTAL
LTPS Open Cycle Generation	MU	25.650	18.290	24.103	20.604	21.694	22.610	132.951
LTPS Closed Cycle Generation	MU	10.701	7.916	10.388	9.049	3.485	11.124	52.663
LTPS Total Generation	MU	36.351	26.206	34.491	29.653	25.179	33.734	185.614

Date:

*The gross generation as submitted by NTPS & LTPS are found to be correct.*

*11/11/2021*  
Assistant Manager, SLDC  
AEGCL, Kahilipara, Ghy-19

Chief General Manager, SLDC  
AEGCL, Kahilipara, Guwahati-19  
AEGCL, Kahilipara, Guwahati-19

Office of the Chief General Manager, SLDC, 1<sup>st</sup> Floor, SLDC Building, AEGCL, Kahilipara, Guwahati-781019

Phone: 0361-2380537 / Fax: 0361-2382263 / e-mail: sldcaseb@rediffmail.com / Web: www.aegclslcd.org

**Annexure No. 5 – NTPS – Loss due to Grid  
Constraints Certificate for FY2020-21**



**TO WHOM IT MAY CONCERN**

After verification of the data submitted by APGCL, this is to certify that the generation loss of NTPS for the FY 2020-21 due to Grid Restrictions and Auto Transformer Constraints are as stated below:

MU lost for NTPS in 2020-21	MU lost due to grid disturbance	MU lost due to Auto transformer constraints
Apr-20	0.013	0.014
May-20	-	0.026
Jun-20	0.010	-
Jul-20	0.38	-
Aug-20	0.060	-
Sep-20	-	-
Oct-20	0.008	1.392
Nov-20	-	0.907
Dec-20	-	0.661
Jan-21	-	1.153
Feb-21	-	0.829
Mar-21	-	1.919
<b>Total</b>	<b>0.47</b>	<b>6.90</b>
<b>Grand total</b>	<b>7.37</b>	

Date:

*The submitted figures are verified & found correct.*

*R.D.*  
24/11/2021  
Assistant Manager, SLDC  
AEGCL, Kahilipara, Ghy-19

Chief General Manager, SLDC  
AEGCL, Kahilipara, Guwahati-19

Chief General Manager, SLDC  
AEGCL, Kahilipara, Guwahati-19

**Annexure No. 6 – PFC Loan details for FY 2020-  
21**

Identified Loan

POWER FINANCE CORPORATION LIMITED  
(A Govt. of India Undertaking)  
CIN No.:L65910DL1986GOI024862  
Regd.Office:Urja Nidhi, 1,Barakhamba Lane, New Delhi-110001  
E-Mail:loanrecovery@pfcindia.com Website:www.pfcindia.com

Rep.Name:dem\_not\_hindi\_pnl\_em\_gst  
i"Bl a/ PageNo : 1 / 4

GSTIN 07AAACP1570H1ZM

f nukal / Dated : 10/04/2020

Ref. No 04:06: (624):2020-2021

MR. C.D.GOGOI

CHIEF GENERAL MANAGER (F&A)

ASSAM POWER GENERATION CORPORATION LTD.

ASSAM POWER GENERATION CORPORATION LIMITED,

3RD FLOOR, BIJULEE BHAVAN,

PALTAN BAZAR,GUWAHATI-781 001

ASSAM

/ Dear Sir/Madam,

f nukal - 16@04@2020 dksns eyw/ku] C; kt] l fcl Mh eadVks-h] ifrc) rk i Hkkj] bR; kfn dk Hkqrku 16@04@2020 rd dj

PAYMENT OF PRINCIPAL, INTEREST, REDUCTION SUB., COMMITMENT CHARGES ETC. DUE ON : 16/04/2020 TO BE PAID ON OR BEFORE 16/04/2020

fuEufyf[kr \_\_.kksdfty, f nukal 16@04@2020 dkseyw/ku] C; kt] l fcl Mh eadVks-h] ifrc) rk i Hkkj] bR; kfn dh fd'rkadk Hkqrku ns g

The instalments of Principal, Interest, Reduction Sub., Commitment Charges ect. are due for payment on or before 16/04/2020 as per details given below :

**The Summary of Dues is as under:**

Due for the current month	20,38,84,850
(+)Overdue of Previous demands - if any	0
(+)Interest & Penal Interest on overdue	0
<b>Total Amount to be paid</b>	<b>20,38,84,850</b>

d) di; k ukS djfd ns jkf'k dk Hkqrku u djusi j ] fd l h \_\_.k jokrsdks, u ih , ds: i eaoxh'ir djusdh vof| vc 90 fnu dj nh xbz gSA

a) Kindly note that, the period for classifying a loan account as NPA/Stage 3 on account of non-payment of dues has been reduced to 90 days.

[k) mi; Dr i jv jkf'k tek djkuh gksh rFkk ns l sfd, x, vFkok de fd, x, Hkqrku ij ; Fkk ykxv Lo: i C; kt rFkk C; kt ij C; kt i Hkkj]r fd; k tk, xkA vi Ekr Li "Vhdj.k] ; fn dks g]ckn esiklr fd; k tk l drk gA Hkqrku l adh vumSk rFkk x.kuk bl dsl kFk l gXu gA

x) ;g ekā i= vki dksf'k"Vkpjjo'k Hk\$tk tk jgk gā ekā I pāk dh itfir u gk\$@ vl; dks/xyrh foya I shkqrku dju@Hkqrku u djudk vf/kdkj ughansh rFkk \_\_.kdriz dks muds nlf; Ro I sfoepr ughadjrhA

b) The above amount is to be remitted in full and penal interest/Int on Int. as applicable shall be charged for delayed and short payments. Clarifications required, if any, may be sought subsequently. Payment instructions and calculations are enclosed herewith.

c) This Demand Notice is being sent as a matter of courtesy. Non-Receipt of Demand Notice/any mistake does not give any right for late payment/non payment and will not absolve from the obligations of Borrower.

?k) ih, Qih dksHkqrku djrsle; dl;k cā-dfku ea "APGCL - 624" vādr djā

d) Kindly Indicate "APGCL - 624" in Bank Narration while making all the payments to PFC.

M) bl dsvfrfjDr] ;g Hkh fuosu g\$fd] \_\_.k&driZ 11-30 ctsl siwih, Qih [krsead\$MV djuk I quf'Pkr djavkj ftl Hkh fof/k I shkqrku jkf'k tek djkbz gk\$ ml dh I pāk QDI @bley ds}kjk Hkh nshA

e) Further it is requested that, THE BORROWER MAY ENSURE CREDIT TO PFC'S A/C BEFORE 11.30 AM. Please also inform the same by Fax /email regarding remittances.

Hky&pd/ysh nshA

Errors and Omissions are excepted.

/ku; okn A Thanking you,

Hkonh;~, Yours faithfully,

ikoj Okbus dkk\$ku fyevā dsfy, / FOR POWER FINANCE CORPORATION LIMITED

MILIND M DAFADE  
AGM(FIN)  
LOAN RECOVERY UNIT

Copy To :

MR NAWJIT BARMAN  
ASSAM POWER GENERATION CORPORATION LTD.  
FINANCE OFFICER

ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR, GUWAHATI-781 001  
ASSAM



Hkqrku vumSk / PAYMENT INSTRUCTIONS

1. \_\_.kdrk/ka}kjk nš frffk ij l Hkh izdkj dk l afdkr Hkqrku fuEukuq kj fuxe ds[kkrseafdk; k tk, %

1.All monies payable by the borrower to the Corporation shall be paid on due dates of the relevant payments to the Corporation's Accounts as given below:

1 Account No. 10185775165	of STATE BANK OF INDIA	CHANDRALOK BUILDING, 36 JANPATH, NEW DELHI-110001	(IFSC code . . . .	SBIN0001639 )
2 Account No. 00030350000790	of HDFC BANK	SURYA KIRAN BUILDING, 19 K.G. MARG NEW DELHI-110001	(IFSC code . . . .	HDFC0000003 )
3 Account No. 000705001235	of ICICI BANK	9A,PHELPS BUILDING, CONNAUGHT PLACE, NEW DELHI	(IFSC code . . . .	ICIC0000007 )
4 Account No. 0131002107340626	of PUNJAB NATIONAL BANK	74, JANPATH NEW DELHI-110001	(IFSC code . . . .	PUNB0013100 )

2. ih, Ql h \_\_.kdrk/ka}kjk nš jkf'k dk Hkqrku b&Hkqrku@vkjVhth, l izkkyh }kjk fd, tkusdksi kFkfedrk nsk gS rFkk i kkl kfgR djrk gA

2.PFC would prefer and encourage the Borrowers in remitting the dues through e-Payment/ RTGS System, For which you may like to take up with your Bankers.

3 \_\_.kdrkz i vkr-% l fuf'Pkr djafd nš frffk ij fuxe ds[kkrseafdkqrku dj fn; k x; k gA

3.The Borrower will fully ensure that the monies are duly credited on the due dates to the Corporations's above said Accounts.

4 \_\_.knkrk dsi {k eans l afdkr Hkqrku rc vnk ekuk tk, xk ; fn og jkf'k nš frffk dksfuxe ds[kkrseatek gkstk, xhA

4.The amount due from the borrower on the due dates of the relevant payments will be construed to have been paid only if such amount is duly credited to the Corporation's said Accounts on the due date.

5 nš jkf'k dk Hkqrku nš frffk ij u gksdsh flfkr eabl s\_\_k dh 'krkiseapal ekuk t; sk rFkk \_\_.kdrkz pav dh rkjh[k rd \_\_.k dh 'krkisdsvuq kj nhalo: i C; kt dk Hkqrku djusdsfy; smRrjnk; h gkska

5.In the event the amount due is not credited to the said Accounts on the due dates of the relevant payments, such non-payment will constitute a default within the terms of the loan and the borrower will be liable to pay penal interest from the date of default till the date on which the amount is duly credited to the said accounts calculated at the rate and in the manner as specified in terms of the sanction of loan.

6 di; k ukS djafd ih, Ql h ubz fnYyh dk GSTIN 07AAACP1570H1ZM gA

6.GSTIN of PFC New Delhi is 07AAACP1570H1ZM which may please be updated in Your records.

7 mDr ij i=kpkj rFkk vl; dksz Li "Vhdj.k fuEufyf[kr vf/kdkfj; kal si klr fd; k tk l drk gA

7.Correspondences on the above, and any clarification that may be required may be addressed to :

uke	i nuke	Qks@QDI @bl ey
i) RAKESH MOHAN	AGM (FIN)	TEL. 011-23456279, email:rakesh_mohan@pfcindia.com
ii) MILIND M DAFADE	DGM (FIN)	TEL. 011-23456258, mm_dafade@pfcindia.com
iii) P.M. BHATNAGAR	SR. MANAGER (FINANCE)	TEL. 011-23456230, email: pm_bhatnagar@pfcindia.com

**\*\* This is not an Invoice**

LOAN NO	INST NO	PRINCIPAL	INTEREST	RED.	SUBSIDY	COMM.	CHARGE	Moratorium Int.	Addl. Int. due to Due_dt shifting	CGST	SGST	IGST	TOTAL (₹)
62102002	160	69,52,275	12,61,194					0	0	0	0	0	82,13,469
62401001	48	3,03,25,984	1,20,73,397					0	0	0	0	0	4,23,99,381
62401003	7	5,66,70,358	9,20,91,777					0	0	0	0	0	14,87,62,135
62404001	45	30,47,387	14,62,478					0	0	0	0	0	45,09,865
;kx /TOTAL		9,69,96,004	10,68,88,846					0	0	0	0	0	20,38,84,850

\*\* This is not an Invoice

Identified Loan

POWER FINANCE CORPORATION LIMITED  
(A Govt. of India Undertaking)  
CIN No.:L65910DL1986GOI024862  
Regd.Office:Urja Nidhi, 1,Barakhamba Lane, New Delhi-110001  
E-Mail:loanrecovery@pfcindia.com Website:www.pfcindia.com

Rep.Name:dem\_not\_hindi\_pnl\_em\_gst  
i"Bl a/ PageNo : 1 / 4

GSTIN 07AAACP1570H1ZM

f nukal / Dated : 10/04/2020

Ref. No 04:06: (624):2020-2021

MR. C.D.GOGOI

CHIEF GENERAL MANAGER (F&A)

ASSAM POWER GENERATION CORPORATION LTD.  
ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR,GUWAHATI-781 001  
ASSAM

Dear Sir/Madam,

f nukal - 16@04@2020 dksns eyw/ku] C; kt] l fcl Mh eadVks-h] ifrc) rk i Hkkj] bR; kfn dk Hkqrku 16@04@2020 rd dj

PAYMENT OF PRINCIPAL, INTEREST, REDUCTION SUB., COMMITMENT CHARGES ETC. DUE ON : 16/04/2020 TO BE PAID ON OR BEFORE 16/04/2020

fuEufyf[kr \_\_.kksdfty, f nukal 16@04@2020 dkseyw/ku] C; kt] l fcl Mh eadVks-h] ifrc) rk i Hkkj] bR; kfn dh fd'rkadk Hkqrku ns g

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(+)Overdue of Previous demands - if any	0
(+)Interest & Penal Interest on overdue	0
<b>Total Amount to be paid</b>	<b>20,38,84,850</b>

d) di; k ukS djfd ns jkf'k dk Hkqrku u djusi j ] fd l h \_\_.k jokrsdks, u ih , ds: i eaoxh'ir djusdh vof| vc 90 fnu dj nh xbz gSA

a) Kindly note that, the period for classifying a loan account as NPA/Stage 3 on account of non-payment of dues has been reduced to 90 days.

[k) mi; Dr i jv jkf'k tek djkuh gksh rFkk ns l sfd, x, vFkok de fd, x, Hkqrku ij ; Fkk ykxv Lo: i C; kt rFkk C; kt ij C; kt i Hkkfjr fd; k tk, xkA vi Ekr Li "Vhdj.k] ; fn dks g]ckn esiklr fd; k tk l drk gA Hkqrku l adh vumSk rFkk x.kuk bl dsl kFk l gXu gA

x) ;g ekā i= vki dksf'k"Vkpjjo'k Hk\$tk tk jgk gā ekā I pvak dh itfir u gksk@ vl; dksz xyri foya I shkqrku dju@Hkqrku u djudk vf/kdkj ughanh rFkk \_\_.kdriz dks muds nlf; Ro I sfoepr ughadjrhA

b) The above amount is to be remitted in full and penal interest/Int on Int. as applicable shall be charged for delayed and short payments. Clarifications required, if any, may be sought subsequently. Payment instructions and calculations are enclosed herewith.

c) This Demand Notice is being sent as a matter of courtesy. Non-Receipt of Demand Notice/any mistake does not give any right for late payment/non payment and will not absolve from the obligations of Borrower.

?k) ih, Qih dksHkqrku djrsle; dl;k cā-dfku ea "APGCL - 624" vdr dja

d) Kindly Indicate "APGCL - 624" in Bank Narration while making all the payments to PFC.

M) bl dsvfrfjDr] ;g Hkh fuosu gsfd] \_\_.k&driZ 11-30 ctsl siwih, Qih [krseadM/V djuk I qur'Pkr djavkj ftl Hkh fof/k I shkqrku jkf'k tek djkbz gks ml dh I pvak QDI @bley ds}kjk Hkh nsrh

e) Further it is requested that, THE BORROWER MAY ENSURE CREDIT TO PFC'S A/C BEFORE 11.30 AM. Please also inform the same by Fax /email regarding remittances.

Hky&pd/ ysh nshA

Errors and Omissions are excepted.

/ku; okn A Thanking you,

Hkonh;~, Yours faithfully,

ikoj Okbus dWksu fyevd dsy, / FOR POWER FINANCE CORPORATION LIMITED

MILIND M DAFADE  
AGM(FIN)  
LOAN RECOVERY UNIT

Copy To :

MR NAWJIT BARMAN  
ASSAM POWER GENERATION CORPORATION LTD.  
FINANCE OFFICER

ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR, GUWAHATI-781 001  
ASSAM

Hkqrku vumSk / PAYMENT INSTRUCTIONS

1. \_\_.kdrk/ka}kjk nš frffk ij l Hkh izdkj dk l afdkr Hkqrku fuEukuq kj fuxe ds[kkrseafdk; k tk, %

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2 Account No. 00030350000790	of HDFC BANK	SURYA KIRAN BUILDING, 19 K.G. MARG NEW DELHI-110001	(IFSC code . . . .	HDFC0000003 )
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2. ih, Ql h \_\_.kdrk/ka}kjk nš jkf'k dk Hkqrku b&Hkqrku@vkjVhth, l izkkyh }kjk fd, tkusdksi kFkfedrk nsk gS rFkk i kkl kfgR djrk gA

2.PFC would prefer and encourage the Borrowers in remitting the dues through e-Payment/ RTGS System, For which you may like to take up with your Bankers.

3 \_\_.kdrkz i vkr-% l fuf'Pkr djafd nš frffk ij fuxe ds[kkrseafdkqrku dj fn; k x; k gA

3.The Borrower will fully ensure that the monies are duly credited on the due dates to the Corporations's above said Accounts.

4 \_\_.knkrk dsi {k eans l afdkr Hkqrku rc vnk ekuk tk, xk ; fn og jkf'k nš frffk dksfuxe ds[kkrseatek gkstk, xhA

4.The amount due from the borrower on the due dates of the relevant payments will be construed to have been paid only if such amount is duly credited to the Corporation's said Accounts on the due date.

5 nš jkf'k dk Hkqrku nš frffk ij u gksdsh flfkr eabl s\_\_k dh 'krkiseapdv ekuk t; sk rFkk \_\_.kdrkz pdv dh rkjh[k rd \_\_.k dh 'krkiseapdv kj nshLo: i C; kt dk Hkqrku djusdsfy; smRrjnk; h gkska

5.In the event the amount due is not credited to the said Accounts on the due dates of the relevant payments, such non-payment will constitute a default within the terms of the loan and the borrower will be liable to pay penal interest from the date of default till the date on which the amount is duly credited to the said accounts calculated at the rate and in the manner as specified in terms of the sanction of loan.

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6.GSTIN of PFC New Delhi is 07AAACP1570H1ZM which may please be updated in Your records.

7 mDr ij i=kpkj rFkk vl; dksz Li "Vhdj.k fuEufyf[kr vf/kdkfj; kal si klr fd; k tk l drk gA

7.Correspondences on the above, and any clarification that may be required may be addressed to :

uke	i nuke	Qks@QDI @bl ey
i) RAKESH MOHAN	AGM (FIN)	TEL. 011-23456279, email:rakesh_mohan@pfcindia.com
ii) MILIND M DAFADE	DGM (FIN)	TEL. 011-23456258, mm_dafade@pfcindia.com
iii) P.M. BHATNAGAR	SR. MANAGER (FINANCE)	TEL. 011-23456230, email: pm_bhatnagar@pfcindia.com

**\*\* This is not an Invoice**

LOAN NO	INST NO	PRINCIPAL	INTEREST	RED.	SUBSIDY	COMM.	CHARGE	Moratorium Int.	Addl. Int. due to Due_dt shifting	CGST	SGST	IGST	TOTAL (₹)
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62401001	48	3,03,25,984	1,20,73,397					0	0	0	0	0	4,23,99,381
62401003	7	5,66,70,358	9,20,91,777					0	0	0	0	0	14,87,62,135
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;kx /TOTAL		9,69,96,004	10,68,88,846					0	0	0	0	0	20,38,84,850

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Identified Loan

POWER FINANCE CORPORATION LIMITED  
(A Govt. of India Undertaking)  
CIN No.:L65910DL1986GOI024862  
Regd.Office:Urja Nidhi, 1,Barakhamba Lane, New Delhi-110001  
E-Mail:loanrecovery@pfcindia.com Website:www.pfcindia.com

Rep.Name:dem\_not\_hindi\_pnl\_em\_gst  
PageNo : 1 / 4

GSTIN 07AAACP1570H1ZM

Dated : 10/04/2020

Ref. No 04:06: (624):2020-2021

MR. C.D.GOGOI

CHIEF GENERAL MANAGER (F&A)

ASSAM POWER GENERATION CORPORATION LTD.  
ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR,GUWAHATI-781 001  
ASSAM

Dear Sir/Madam,

Payment of Principal, Interest, Reduction Sub., Commitment Charges etc. due on 16/04/2020 to be paid on or before 16/04/2020

PAYMENT OF PRINCIPAL, INTEREST, REDUCTION SUB., COMMITMENT CHARGES ETC. DUE ON : 16/04/2020 TO BE PAID ON OR BEFORE 16/04/2020

The instalments of Principal, Interest, Reduction Sub., Commitment Charges ect. are due for payment on or before 16/04/2020 as per details given below :

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<b>Total Amount to be paid</b>	<b>20,38,84,850</b>

Kindly note that, the period for classifying a loan account as NPA/Stage 3 on account of non-payment of dues has been reduced to 90 days.

Kindly note that, the period for classifying a loan account as NPA/Stage 3 on account of non-payment of dues has been reduced to 90 days.

For further details, please refer to the attached copy of the letterhead of the company.

x) ;g ekā i= vki dksf'k"Vkpjjo'k Hk\$tk tk jgk gā ekā I pāk dh itfir u gksk@ vl; dksz xyrh foya I shkqrku dju@Hkqrku u djudk vf/kdkj ughansh rFkk \_\_.kdriz dks muds nlf; Ro I sfoepr ughadjrhA

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M) bl dsvfrfjDr] ;g Hkh fuosu gSfd] \_\_.k&driZ 11-30 ctsl siwih, Qih [krseadM/V djuk I quf'Pkr djavkj ftl Hkh fof/k I shkqrku jkf'k tek djkbz gks ml dh I pāk QDI @bley ds}kjk Hkh nshA

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Hky&pd/ ysh nshA

Errors and Omissions are excepted.

/ku; okn A Thanking you,

Hkonh;~, Yours faithfully,

ikoj Okbua dWksu fyevā dsfy, / FOR POWER FINANCE CORPORATION LIMITED

MILIND M DAFADE  
AGM(FIN)  
LOAN RECOVERY UNIT

Copy To :

MR NAWJIT BARMAN  
ASSAM POWER GENERATION CORPORATION LTD.  
FINANCE OFFICER

ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR, GUWAHATI-781 001  
ASSAM



Hkqrku vumsk / PAYMENT INSTRUCTIONS

1. .kdrk/ka}kjk ns frffk ij l Hkh izdkj dk l afdr Hkqrku fuEukuq kj fuxe ds[kkrseaf; k tk, %

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3 Account No. 000705001235	of ICICI BANK	9A,PHELPS BUILDING, CONNAUGHT PLACE, NEW DELHI	(IFSC code . . . .	ICIC0000007 )
4 Account No. 0131002107340626	of PUNJAB NATIONAL BANK	74, JANPATH NEW DELHI-110001	(IFSC code . . . .	PUNB0013100 )

2. ih, Ql h .kdrk/ka}kjk ns jkf'k dk Hkqrku b&Hkqrku@vkjVhth, l izkkyh }kjk fd, tkusdksi kFkfedrk nsk gsrFkk i kbl kfgR djrk gA

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3. .kdrkz i vkr% l fuf'Pkr djafd ns frffk ij fuxe ds[kkrseafHkqrku dj fn; k x; k gA

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4.The amount due from the borrower on the due dates of the relevant payments will be construed to have been paid only if such amount is duly credited to the Corporation's said Accounts on the due date.

5. ns jkf'k dk Hkqrku ns frffk ij u gksdsh flfkr eabl s\_\_k dh 'krkseapal ekuk t; sk rFkk \_\_.kdrkz pal dh rkjh[k rd \_\_.k dh 'krkdsvuq kj nblLo: i C; kt dk Hkqrku djusdsfy; smRrjnk; h gkska

5.In the event the amount due is not credited to the said Accounts on the due dates of the relevant payments, such non-payment will constitute a default within the terms of the loan and the borrower will be liable to pay penal interest from the date of default till the date on which the amount is duly credited to the said accounts calculated at the rate and in the manner as specified in terms of the sanction of loan.

6. di; k ukd djafd ih, Ql h ubz fnYyh dk GSTIN 07AAACP1570H1ZM gA

6.GSTIN of PFC New Delhi is 07AAACP1570H1ZM which may please be updated in Your records.

7. mDr ij i=kpkj rFkk vl; dksz Li "Vhdj.k fuEufyf[kr vf/kdkfj; kal si klr fd; k tk l drk gA

7.Correspondences on the above, and any clarification that may be required may be addressed to :

uke	i nuke	Qks@QDI @bl ey
i) RAKESH MOHAN	AGM (FIN)	TEL. 011-23456279, email:rakesh_mohan@pfcindia.com
ii) MILIND M DAFADE	DGM (FIN)	TEL. 011-23456258, mm_dafade@pfcindia.com
iii) P.M. BHATNAGAR	SR. MANAGER (FINANCE)	TEL. 011-23456230, email: pm_bhatnagar@pfcindia.com

**\*\* This is not an Invoice**

LOAN NO	INST NO	PRINCIPAL	INTEREST	RED.	SUBSIDY	COMM.	CHARGE	Moratorium Int.	Addl. Int. due to Due_dt shifting	CGST	SGST	IGST	TOTAL (₹)
62102002	160	69,52,275	12,61,194					0	0	0	0	0	82,13,469
62401001	48	3,03,25,984	1,20,73,397					0	0	0	0	0	4,23,99,381
62401003	7	5,66,70,358	9,20,91,777					0	0	0	0	0	14,87,62,135
62404001	45	30,47,387	14,62,478					0	0	0	0	0	45,09,865
;kx /TOTAL		9,69,96,004	10,68,88,846					0	0	0	0	0	20,38,84,850

\*\* This is not an Invoice

Identified Loan

POWER FINANCE CORPORATION LIMITED  
 (A Govt. of India Undertaking)  
 CIN No.:L65910DL1986GOI024862  
 Regd.Office:Urja Nidhi, 1,Barakhamba Lane, New Delhi-110001  
 Qks%/Phone: 23456000, QDI % FAX:(11)23456292  
 E-Mail:loanrecovery@pfcindia.com Website:www.pfcindia.com

Rep.Name:DEM\_NOT\_HINDI  
i"B | a/ PageNo : 1 / 3

GSTIN 07AAACP1570H1ZM

f nukel / Dated : 14/06/2020

Ref. No 04:06: (624):2020-2021

MR. C.D.GOGOI

CHIEF GENERAL MANAGER (F&A)

ASSAM POWER GENERATION CORPORATION LTD.

ASSAM POWER GENERATION CORPORATION LIMITED,

3RD FLOOR, BIJULEE BHAVAN,

PALTAN BAZAR,GUWAHATI-781 001

ASSAM

Dear Sir/Madam,

f nukel - 15@06@2020 dksns ey/ku C; kt] I fcl Mh eadVks'h i frc) rk i Hkkj] bR; kfn dk Hkqrku 15@06@2020 rd dj

PAYMENT OF PRINCIPAL, INTEREST, REDUCTION SUB., COMMITMENT CHARGES ETC. DUE ON : 15/06/2020 TO BE PAID ON OR BEFORE 15/06/2020

fuEufyf[kr \_\_.kadsfy, f nukel 15@06@2020 dksey/ku C; kt] I fcl Mh eadVks'h i frc) rk i Hkkj] bR; kfn dh fd'rkadk Hkqrku ns g

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LOAN NO	INST NO	PRINCIPAL	INTEREST	RED. SUBSIDY	COMM. CHARGE	CGST	SGST	IGST	TOTAL (₹)
62102002	162	69,52,276	12,61,193	37,436	0	0	0	0	82,50,905
; kx /TOTAL		69,52,276	12,61,193	37,436	0	0	0	0	82,50,905

d)di;k ukS djafd ns jkf'k dk Hkqrku u djustij ] fdI h \_\_.k jokrsdks,u ih , ds: i eaoxhbr djusdh vof| vc 90 fnu dj nh xbz gSA

a) Kindly note that, the period for classifying a loan account as NPA/Stage 3 on account of non-payment of dues has been reduced to 90 days.

[k) mi; Dr i jv jkf'k tek djkuh gksh rFkk njs l sf, x, vFkok de fd, x, Hkqrku ij ; Fkk ykxv...  
dksz gjckn esai klr fd; k tk l drk gA Hkqrku l adh vupsk rFkk x.kuk bl dsl kfk l yXu gA

b) The above amount is to be remitted in full and penal interest/Int on Int. as applicable shall be charged for delayed and short payments. Clarifications required, if any, may be sought subsequently. Payment instructions and calculations are enclosed herewith.

x) ;g eka i= vki dksf'k"Vkpjko'k Hkssk tk jgk gA eka l pvuk dh ikfir u gksk@ vl; dksz xyrh foya l shkqrku dju@Hkqrku u djusdk vf/kdkj ughansh rFkk \_\_.kdrkz dks muds nkf; Ro l soeDr ughadjrhA

c) This Demand Notice is being sent as a matter of courtesy. Non-Receipt of Demand Notice/any mistake does not give any right for late payment/non payment and will not absolve from the obligations of Borrower.

?k) ih, Ql-h dksHkqrku djrs l e; dl; k chl dFku ea "APGCL - 624" vdr dja

D)Kindly Indicate "APGCL - 624" in Bank Narration while making all the payments to PFC.

M) bl dsvfrfjDr] ;g Hkh fuosbu gSfd] \_\_.k&driZ 11-30 ctsl siowih, Ql h [kkrsesdBMV djuk l fuf'Pkr djavkS ftl Hkh fof/k l shkqrku jkf'k tek djkbz gkjs ml dh l pvuk QDI @bl ey ds}kjk Hkh nsna

E)Further it is requested that, THE BORROWER MAY ENSURE CREDIT TO PFC'S A/C BEFORE 11.30 AM. Please also inform the same by Fax /email regarding remittances.

Hky&pd/ysh nshA

Errors and Omissions are excepted.

/kl; okn A Thanking you,

Hkonh; -, Yours faithfully,

ikoj Okbus dksz su fyevM dsfy, / FOR POWER FINANCE CORPORATION LIMITED

LOAN RECOVERY UNIT

Copy To :

MR NAWJIT BARMAN

ASSAM POWER GENERATION CORPORATION LTD.

FINANCE OFFICER

ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR, GUWAHATI-781 001  
ASSAM

Hkkqrku vuqsk / PAYMENT INSTRUCTIONS

1. \_\_.kdrk\kajkj ns frffk ij l Hkh idkj dk l afkr Hkkqrku fuEukuq kj fuxe ds[kkrseafd; k tk, %

1.All monies payable by the borrower to the Corporation shall be paid on due dates of the relevant payments to the Corporation's Accounts as given below:

1 Account No. 10185775165	of STATE BANK OF INDIA	CHANDRALOK BUILDING, 36 JANPATH, NEW DELHI-110001	(IFSC code . . . . .	SBIN0001639 )
2 Account No. 00030350000790	of HDFC BANK	SURYA KIRAN BUILDING, 19 K.G. MARG NEW DELHI-110001	(IFSC code . . . . .	HDFC0000003 )
3 Account No. 000705001235	of ICICI BANK	9A, PHELPS BUILDING, CONNAUGHT PLACE, NEW DELHI	(IFSC code . . . . .	ICIC0000007 )
4 Account No. 0131002107340626	of PUNJAB NATIONAL BANK	74, JANPATH NEW DELHI-110001	(IFSC code . . . . .	PUNB0013100 )

2. ih, Ql h \_\_.kdrk\kajkj ns jkf'k dk Hkkqrku b&Hkkqrku@vkvjVhth, l izkkyh }kjk fd, tkusdksi kFkfedrk nsk gS rFkk i kks kfgj djrk gA

2.PFC would prefer and encourage the Borrowers in remitting the dues through e-Payment/ RTGS System, For which you may like to take up with your Bankers.

3 \_\_.kdrkz i vkt% l fuif' Pkr djafd ns frffk ij fuxe ds[kkrseafHkkqrku dj fn; k x; k gA

3.The Borrower will fully ensure that the monies are duly credited on the due dates to the Corporations's above said Accounts.

4 \_\_.knkrk dsi {k eans l afkr Hkkqrku rc vnk ekuk tk, xk ; fn og jkf'k ns frffk dksfuxe ds[kkrseatek gkst, xhA

4.The amount due from the borrower on the due dates of the relevant payments will be construed to have been paid only if such amount is duly credited to the Corporation's said Accounts on the due date.

5 ns jkf'k dk Hkkqrku ns frffk ij u gksdsh flFkr eabl s \_\_.k dh 'krkiseapv ekuk t; sk rFkk \_\_.kdrkz pav dh rkjh[k rd \_\_.k dh 'krkisdsvuq kj nblLo: i C; kt dk Hkkqrku djusdsfy; smRrjnk; h gkskA

5.In the event the amount due is not credited to the said Accounts on the due dates of the relevant payments, such non-payment will constitute a default within the terms of the loan and the borrower will be liable to pay penal interest from the date of default till the date on which the amount is duly credited to the said accounts calculated at the rate and in the manner as specified in terms of the sanction of loan.

6 di; k ukS djafd ih, Ql h ubzfnYyh dk GSTIN 07AAACP1570H1ZM gSA

6 GSTIN of PFC New Delhi is 07AAACP1570H1ZM which may please be updated in your records.

7 mDr ij i=kpkj rFkk vU; dksbz Li "Vhdj.k fuEufyf[kr vf/kdkfj; kal si klr fd; k tk l drk gA

7.Correspondences on the above, and any clarification that may be required may be addressed to :

uke i nuke Oks@ODI @bl ey

- i)
- ii)
- iii)

Identified Loan

POWER FINANCE CORPORATION LIMITED  
 (A Govt. of India Undertaking)  
 CIN No.:L65910DL1986GOI024862  
 Regd.Office:Urja Nidhi, 1,Barakhamba Lane, New Delhi-110001  
 Qks%/Phone: 23456000, QDI % FAX:(11)23456292  
 E-Mail:loanrecovery@pfcindia.com Website:www.pfcindia.com

Rep.Name:DEM\_NOT\_HINDI  
i"B | a/ PageNo : 1 / 3

GSTIN 07AAACP1570H1ZM

f nukel / Dated : 14/06/2020

Ref. No 04:06: (624):2020-2021

MR. C.D.GOGOI

CHIEF GENERAL MANAGER (F&A)

ASSAM POWER GENERATION CORPORATION LTD.

ASSAM POWER GENERATION CORPORATION LIMITED,

3RD FLOOR, BIJULEE BHAVAN,

PALTAN BAZAR,GUWAHATI-781 001

ASSAM

Dear Sir/Madam,

f nukel - 15@06@2020 dksns ey/ku C; kt] I fcl Mh eadVks'h i frc) rk i Hkkj] bR; kfn dk Hkqrku 15@06@2020 rd dj

PAYMENT OF PRINCIPAL, INTEREST, REDUCTION SUB., COMMITMENT CHARGES ETC. DUE ON : 15/06/2020 TO BE PAID ON OR BEFORE 15/06/2020

fuEufyf[kr \_\_.kadsfy, f nukel 15@06@2020 dksey/ku C; kt] I fcl Mh eadVks'h i frc) rk i Hkkj] bR; kfn dh fd'rkadk Hkqrku ns g

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LOAN NO	INST NO	PRINCIPAL	INTEREST	RED. SUBSIDY	COMM. CHARGE	CGST	SGST	IGST	TOTAL (₹)
62102002	162	69,52,276	12,61,193	37,436	0	0	0	0	82,50,905
; kx /TOTAL		69,52,276	12,61,193	37,436	0	0	0	0	82,50,905

d)di;k ukS djafd ns jkf'k dk Hkqrku u djusi j ] fd l h \_\_.k jokrsdks,u ih , ds: i eaoxhbr djusdh vof| vc 90 fnu dj nh xbz gSA

a) Kindly note that, the period for classifying a loan account as NPA/Stage 3 on account of non-payment of dues has been reduced to 90 days.

[k) mi; Dr i jv jkf'k tek djkuh gksh rFkk njs l sfd, x, vFkok de fd, x, Hkqrku ij ; Fkk ykxv...  
dksz gjckn esai klr fd; k tk l drk gA Hkqrku l adh vupsk rFkk x.kuk bl dsl kfk l yXu gA

b) The above amount is to be remitted in full and penal interest/Int on Int. as applicable shall be charged for delayed and short payments. Clarifications required, if any, may be sought subsequently. Payment instructions and calculations are enclosed herewith.

x) ;g eka i= vki dksf'k"Vkpko'k Hksk tk jgk gA eka l pvuk dh ikfir u gksk@ vl; dksz xyrh foya l shkqrku dju@Hkqrku u djusdk vf/kdkj ughansh rFkk \_\_.kdrkz dks muds nkf; Ro l soeDr ughadjrhA

c) This Demand Notice is being sent as a matter of courtesy. Non-Receipt of Demand Notice/any mistake does not give any right for late payment/non payment and will not absolve from the obligations of Borrower.

?k) ih, Ql-h dksHkqrku djrs l e; dl; k chl dFku ea "APGCL - 624" vdr dja

D)Kindly Indicate "APGCL - 624" in Bank Narration while making all the payments to PFC.

M) bl dsvfrfjDr] ;g Hkh fuosbu gSfd] \_\_.k&driZ 11-30 ctsl siow/ih, Ql h [kkrsedBMV djuk l fuf'Pkr djavkS ftl Hkh fof/k l shkqrku jkf'k tek djkbz gkjs ml dh l pvuk QDI @b/ey ds}kjk Hkh nsna

E)Further it is requested that, THE BORROWER MAY ENSURE CREDIT TO PFC'S A/C BEFORE 11.30 AM. Please also inform the same by Fax /email regarding remittances.

Hky&pd/ysh nshA  
Errors and Omissions are excepted.

/kl; okn A Thanking you,  
Hkonh; -, Yours faithfully,  
i koj Okbus dksz su fyevM dsfy, / FOR POWER FINANCE CORPORATION LIMITED

LOAN RECOVERY UNIT

Copy To :  
MR NAWJIT BARMAN  
ASSAM POWER GENERATION CORPORATION LTD.  
FINANCE OFFICER  
ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR, GUWAHATI-781 001  
ASSAM

Hkkqrku vuqsk / PAYMENT INSTRUCTIONS

1. \_\_.kdrk\kajkj ns frffk ij l Hkh idkj dk l afkr Hkkqrku fuEukuq kj fuxe ds[kkrseafd; k tk, %

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2. ih, Ql h \_\_.kdrk\kajkj ns jkf'k dk Hkkqrku b&Hkkqrku@vkvjVhth, l izkkyh }kjk fd, tkusdksi kFkfedrk nsk gS rFkk i kR kfgR djrk gA

2.PFC would prefer and encourage the Borrowers in remitting the dues through e-Payment/ RTGS System, For which you may like to take up with your Bankers.

3 \_\_.kdrkz i vkt% l fuif' Pkr djafd ns frffk ij fuxe ds[kkrseafHkkqrku dj fn; k x; k gA

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i"B | a/ PageNo : 1 / 3

GSTIN 07AAACP1570H1ZM

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Hkonh; -, Yours faithfully,  
i koj Okbus dksz su fyevM dsfy, / FOR POWER FINANCE CORPORATION LIMITED

LOAN RECOVERY UNIT

Copy To :  
MR NAWJIT BARMAN  
ASSAM POWER GENERATION CORPORATION LTD.  
FINANCE OFFICER  
ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR, GUWAHATI-781 001  
ASSAM

Hkkqrku vuqsk / PAYMENT INSTRUCTIONS

1. \_\_.kdrk\kajkj ns frffk ij l Hkh idkj dk l afkr Hkkqrku fuEukuq kj fuxe ds[kkrseafd; k tk, %

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5 ns jkf'k dk Hkkqrku ns frffk ij u gksdsh flFkr eabl s \_\_.k dh 'krkiseapv ekuk t; sk rFkk \_\_.kdrkz pav dh rkjh[k rd \_\_.k dh 'krkisdsvuq kj nblLo: i C; kt dk Hkkqrku djusdsfy; smRrjnk; h gkskA

5.In the event the amount due is not credited to the said Accounts on the due dates of the relevant payments, such non-payment will constitute a default within the terms of the loan and the borrower will be liable to pay penal interest from the date of default till the date on which the amount is duly credited to the said accounts calculated at the rate and in the manner as specified in terms of the sanction of loan.

6 di; k ukS djafd ih, Ql h ubzfnYyh dk GSTIN 07AAACP1570H1ZM gSA

6 GSTIN of PFC New Delhi is 07AAACP1570H1ZM which may please be updated in your records.

7 mDr ij i=kpkj rFkk vU; dksbz Li "Vhdj.k fuEufyf[kr vf/kdkfj; kal si klr fd; k tk l drk gA

7.Correspondences on the above, and any clarification that may be required may be addressed to :

uke i nuke Oks@ODI @bl ey

- i)
- ii)
- iii)

**\*\* This is not an invoice**

Identified Loan

POWER FINANCE CORPORATION LIMITED  
(A Govt. of India Undertaking)  
CIN No.:L65910DL1986GOI024862  
Regd.Office:Urja Nidhi, 1,Barakhamba Lane, New Delhi-110001  
E-Mail:loanrecovery@pfcindia.com Website:www.pfcindia.com

Rep.Name:dem\_not\_hindi\_pnl\_em\_gst  
PageNo : 1 / 4

GSTIN 07AAACP1570H1ZM

Dated : 10/07/2020

Ref. No 04:06: (624):2020-2021

MR. C.D.GOGOI

CHIEF GENERAL MANAGER (F&A)

ASSAM POWER GENERATION CORPORATION LTD.  
ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR,GUWAHATI-781 001  
ASSAM

Dear Sir/Madam,

fnukal - 15@07@2020 dksns eyw/ku] C; kt] I fcl Mh eadVks-h] ifrc) rk i Hkkj] bR; kfn dk Hkqrku 15@07@2020 rd dj

PAYMENT OF PRINCIPAL, INTEREST, REDUCTION SUB., COMMITMENT CHARGES ETC. DUE ON : 15/07/2020 TO BE PAID ON OR BEFORE 15/07/2020

fuEufyf[kr \_\_.kksd,fy, fnukal 15@07@2020 dkseyw/ku] C; kt] I fcl Mh eadVks-h] ifrc) rk i Hkkj] bR; kfn dh fd'rkadk Hkqrku ns g

The instalments of Principal, Interest, Reduction Sub., Commitment Charges ect. are due for payment on or before 15/07/2020 as per details given below :

The Summary of Dues is as under:

Due for the current month	20,76,36,124
(+)Overdue of Previous demands - if any	0
(+)Interest & Penal Interest on overdue	0
<b>Total Amount to be paid</b>	<b>20,76,36,124</b>

d) di; k uk\$ djsfd ns jkf'k dk Hkqrku u djustij ] fdl h \_\_.k jokrsdks, u ih , ds: i eaoxhdr djusdh vof| vc 90 fnu dj nh xbz gSA

a) Kindly note that, the period for classifying a loan account as NPA/Stage 3 on account of non-payment of dues has been reduced to 90 days.

[k)mi; Dr i jv jkf'k tek djkuh gksh rFkk ns I sfd, x, vFkok de fd, x, Hkqrku ij ; Fkk ykxv Lo: i C; kt rFkk C; kt ij C; kt i Hkkfjr fd; k tk, xkA vi Ekr Li "Vhdj.k] ; fn dks g]ckn esiklr fd; k tk I drk gA Hkqrku I adh vumSk rFkk x.kuk bl dsl kFk I gXu gA

x) ;g ekā i= vki dksf'k"Vkpjjo'k Hk\$tk tk jgk gā ekā I pvak dh itflr u gksk@ vl; dksz xyrh foya I shkqrku dju@Hkqrku u djudk vf/kdkj ughansh rFkk \_\_.kdriz dks muds nlf; Ro I sfoepr ughadjrhA

b) The above amount is to be remitted in full and penal interest/Int on Int. as applicable shall be charged for delayed and short payments. Clarifications required, if any, may be sought subsequently. Payment instructions and calculations are enclosed herewith.

c) This Demand Notice is being sent as a matter of courtesy. Non-Receipt of Demand Notice/any mistake does not give any right for late payment/non payment and will not absolve from the obligations of Borrower.

?k) ih, Qih dksHkqrku djrsle; dl;k cā-dfku ea "APGCL - 624" vdr dja

d) Kindly Indicate "APGCL - 624" in Bank Narration while making all the payments to PFC.

M) bl dsvfrfjDr] ;g Hkh fuosu gsfd] \_\_.k&driZ 11-30 ctsl siwih, Qih [krseadM/V djuk I qur'Pkr djavkj ftl Hkh fof/k I shkqrku jkf'k tek djkbz gks ml dh I pvak QDI @bley ds;kjk Hkh nsrh

e) Further it is requested that, THE BORROWER MAY ENSURE CREDIT TO PFC'S A/C BEFORE 11.30 AM. Please also inform the same by Fax /email regarding remittances.

Hky&pd/ysh nshA

Errors and Omissions are excepted.

/ku; okn A Thanking you,

Hkonh;~, Yours faithfully,

ikoj Okbus dWksu fyevd dsfy, / FOR POWER FINANCE CORPORATION LIMITED

MILIND M DAFADE  
AGM(FIN)  
LOAN RECOVERY UNIT

Copy To :

MR NAWJIT BARMAN  
ASSAM POWER GENERATION CORPORATION LTD.  
FINANCE OFFICER

ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR, GUWAHATI-781 001  
ASSAM

Hkqrku vumSk / PAYMENT INSTRUCTIONS

1. \_\_.kdrk/ka}kjk nš frffk ij l Hkh izdkj dk l afdkr Hkqrku fuEukuq kj fuxe ds[kkrseafdk; k tk, %

1.All monies payable by the borrower to the Corporation shall be paid on due dates of the relevant payments to the Corporation's Accounts as given below:

1 Account No. 10185775165	of STATE BANK OF INDIA	CHANDRALOK BUILDING, 36 JANPATH, NEW DELHI-110001	(IFSC code . . . .	SBIN0001639 )
2 Account No. 00030350000790	of HDFC BANK	SURYA KIRAN BUILDING, 19 K.G. MARG NEW DELHI-110001	(IFSC code . . . .	HDFC0000003 )
3 Account No. 000705001235	of ICICI BANK	9A, PHELPS BUILDING, CONNAUGHT PLACE, NEW DELHI	(IFSC code . . . .	ICIC0000007 )
4 Account No. 0131002107340626	of PUNJAB NATIONAL BANK	74, JANPATH NEW DELHI-110001	(IFSC code . . . .	PUNB0013100 )

2. ih, Ql h \_\_.kdrk/ka}kjk nš jkf'k dk Hkqrku b&Hkqrku@vkjVhth, l izkkyh }kjk fd, tkusdksi kFkfedrk nsk gS rFkk i kkl kfgR djrk gA

2.PFC would prefer and encourage the Borrowers in remitting the dues through e-Payment/ RTGS System, For which you may like to take up with your Bankers.

3 \_\_.kdrkz i vkr-% l fuf'Pkr djafd nš frffk ij fuxe ds[kkrseafdkqrku dj fn; k x; k gA

3.The Borrower will fully ensure that the monies are duly credited on the due dates to the Corporations's above said Accounts.

4 \_\_.knkrk dsi {k eans l afdkr Hkqrku rc vnk ekuk tk, xk ; fn og jkf'k nš frffk dksfuxe ds[kkrseatek gkstk, xhA

4.The amount due from the borrower on the due dates of the relevant payments will be construed to have been paid only if such amount is duly credited to the Corporation's said Accounts on the due date.

5 nš jkf'k dk Hkqrku nš frffk ij u gksdsh flfkr eabl s\_\_k dh 'krkseapd/ ekuk t; sk rFkk \_\_.kdrkz pd/ dh rkjh[k rd \_\_.k dh 'krkdsdvuq kj nklLo: i C; kt dk Hkqrku djusdsfy; smRrjnk; h gkska

5.In the event the amount due is not credited to the said Accounts on the due dates of the relevant payments, such non-payment will constitute a default within the terms of the loan and the borrower will be liable to pay penal interest from the date of default till the date on which the amount is duly credited to the said accounts calculated at the rate and in the manner as specified in terms of the sanction of loan.

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uke	i nuke	Qks@QDI @bl ey
i) RAKESH MOHAN	AGM (FIN)	TEL. 011-23456279, email:rakesh_mohan@pfcindia.com
ii) MILIND M DAFADE	DGM (FIN)	TEL. 011-23456258, mm_dafade@pfcindia.com
iii) P.M. BHATNAGAR	SR. MANAGER (FINANCE)	TEL. 011-23456230, email: pm_bhatnagar@pfcindia.com

**\*\* This is not an Invoice**

LOAN NO	INST NO	PRINCIPAL	INTEREST	RED.	SUBSIDY	COMM.	CHARGE	Moratorium Int.	Addl. Int. due to Due_dt shifting	CGST	SGST	IGST	TOTAL (₹)
62102002	163	69,52,276	13,27,923		8,453		0		0	0	0	0	82,88,652
62401001	49	3,03,25,983	1,23,03,914		0		0		0	0	0	0	4,26,29,897
62401003	8	5,83,53,061	9,38,27,627		0		0		0	0	0	0	15,21,80,688
62404001	46	30,47,387	14,89,500		0		0		0	0	0	0	45,36,887
;kx /TOTAL		9,86,78,707	10,89,48,964		8,453		0		0	0	0	0	20,76,36,124

\*\* This is not an Invoice

Identified Loan

POWER FINANCE CORPORATION LIMITED  
(A Govt. of India Undertaking)  
CIN No.:L65910DL1986GOI024862  
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E-Mail:loanrecovery@pfcindia.com Website:www.pfcindia.com

Rep.Name:dem\_not\_hindi\_pnl\_em\_gst  
PageNo : 1 / 4

GSTIN 07AAACP1570H1ZM

Dated : 10/07/2020

Ref. No 04:06: (624):2020-2021

MR. C.D.GOGOI

CHIEF GENERAL MANAGER (F&A)

ASSAM POWER GENERATION CORPORATION LTD.

ASSAM POWER GENERATION CORPORATION LIMITED,

3RD FLOOR, BIJULEE BHAVAN,

PALTAN BAZAR,GUWAHATI-781 001

ASSAM

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fnukel - 15@07@2020 dksns eyw/ku] C; kt] I fcl Mh eadVks-h] ifrc) rk i Hkkj] bR; kfn dk Hkqrku 15@07@2020 rd dj

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d) di; k uk\$ djsfd ns jkf'k dk Hkqrku u djusi j ] fd l h \_\_.k jokrsdks, u ih , ds: i eaoxh'ir djusdh vof| vc 90 fnu dj nh xbz gSA

a) Kindly note that, the period for classifying a loan account as NPA/Stage 3 on account of non-payment of dues has been reduced to 90 days.

[k) mi; Dr i jv jkf'k tek djkuh gksh rFkk ns l sfd, x, vFkok de fd, x, Hkqrku ij ; Fkk ykxv Lo: i C; kt rFkk C; kt ij C; kt i Hkkfjr fd; k tk, xkA vi Ekr Li "Vhdj.k] ; fn dks g]ckn esikr fd; k tk l drk gA Hkqrku l adh vumSk rFkk x.kuk bl dsl kFk l gXu gA



x) ;g ekā i= vki dksf'k"Vkpjjo'k Hk\$tk tk jgk gā ekā I pvak dh itfir u gksk@ vl; dksz xyri foya I sllqkrku dju@Hkqkrku u djudsk vf/kdkj ughansh rFkk \_\_.kdriz dks muds nlf; Ro I sfoe@r ughadjrhA

b) The above amount is to be remitted in full and penal interest/Int on Int. as applicable shall be charged for delayed and short payments. Clarifications required, if any, may be sought subsequently. Payment instructions and calculations are enclosed herewith.

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Hky&pd/ysh nshA

Errors and Omissions are excepted.

/ku; okn A Thanking you,

Hkonh;~, Yours faithfully,

ikoj Okbus dWksu fyevd dsy, / FOR POWER FINANCE CORPORATION LIMITED

MILIND M DAFADE  
AGM(FIN)  
LOAN RECOVERY UNIT

Copy To :

MR NAWJIT BARMAN  
ASSAM POWER GENERATION CORPORATION LTD.  
FINANCE OFFICER

ASSAM POWER GENERATION CORPORATION LIMITED,  
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PALTAN BAZAR, GUWAHATI-781 001  
ASSAM

Hkqrku vumSk / PAYMENT INSTRUCTIONS

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;kx /TOTAL		9,86,78,707	10,89,48,964		8,453		0		0	0	0	0	20,76,36,124

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Rep.Name:dem\_not\_hindi\_pnl\_em\_gst  
PageNo : 1 / 4

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x) ;g ekā i= vki dksf'k"Vkpjjo'k Hk\$tk tk jgk gā ekā I pvak dh itfir u gksk@ vl; dksz xyri foya I shkqrku dju@Hkqrku u djudk vf/kdkj ughanh rFkk \_\_.kdriz dks muds nlf; Ro I sfoepr ughadjrhA

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2. ih, Ql h \_\_.kdrk/ka}kjk nš jkf'k dk Hkqrku b&Hkqrku@vkjVhth, l izkkyh }kjk fd, tkusdksi kFkfedrk nsk gS rFkk i kkl kfgR djrk gA

2.PFC would prefer and encourage the Borrowers in remitting the dues through e-Payment/ RTGS System, For which you may like to take up with your Bankers.

3 \_\_.kdrkz i vkr-% l fuf'Pkr djafd nš frffk ij fuxe ds[kkrseafdkqrku dj fn; k x; k gA

3.The Borrower will fully ensure that the monies are duly credited on the due dates to the Corporations's above said Accounts.

4 \_\_.knkrk dsi {k eans l afdkr Hkqrku rc vnk ekuk tk, xk ; fn og jkf'k nš frffk dksfuxe ds[kkrseatek gkstk, xhA

4.The amount due from the borrower on the due dates of the relevant payments will be construed to have been paid only if such amount is duly credited to the Corporation's said Accounts on the due date.

5 nš jkf'k dk Hkqrku nš frffk ij u gksdsh flfkr eabl s\_\_k dh 'krkseapal ekuk t; sk rFkk \_\_.kdrkz pal dh rkjh[k rd \_\_.k dh 'krkdsdvuq kj nhalo: i C; kt dk Hkqrku djusdsfy; smRrjnk; h gkska

5.In the event the amount due is not credited to the said Accounts on the due dates of the relevant payments, such non-payment will constitute a default within the terms of the loan and the borrower will be liable to pay penal interest from the date of default till the date on which the amount is duly credited to the said accounts calculated at the rate and in the manner as specified in terms of the sanction of loan.

6 di; k ukS djafd ih, Ql h ubz fnYyh dk GSTIN 07AAACP1570H1ZM gA

6.GSTIN of PFC New Delhi is 07AAACP1570H1ZM which may please be updated in Your records.

7 mDr ij i=kpkj rFkk vl; dksz Li "Vhdj.k fuEufyf[kr vf/kdkfj; kal si klr fd; k tk l drk gA

7.Correspondences on the above, and any clarification that may be required may be addressed to :

uke	i nuke	Qks@QDI @bl ey
i) RAKESH MOHAN	AGM (FIN)	TEL. 011-23456279, email:rakesh_mohan@pfcindia.com
ii) MILIND M DAFADE	DGM (FIN)	TEL. 011-23456258, mm_dafade@pfcindia.com
iii) P.M. BHATNAGAR	SR. MANAGER (FINANCE)	TEL. 011-23456230, email: pm_bhatnagar@pfcindia.com

**\*\* This is not an Invoice**

LOAN NO	INST NO	PRINCIPAL	INTEREST	RED.	SUBSIDY	COMM.	CHARGE	Moratorium Int.	Addl. Int. due to Due_dt shifting	CGST	SGST	IGST	TOTAL (₹)
62102002	163	69,52,276	13,27,923		8,453		0		0	0	0	0	82,88,652
62401001	49	3,03,25,983	1,23,03,914		0		0		0	0	0	0	4,26,29,897
62401003	8	5,83,53,061	9,38,27,627		0		0		0	0	0	0	15,21,80,688
62404001	46	30,47,387	14,89,500		0		0		0	0	0	0	45,36,887
;kx /TOTAL		9,86,78,707	10,89,48,964		8,453		0		0	0	0	0	20,76,36,124

\*\* This is not an Invoice

POWER FINANCE CORPORATION LIMITED  
 (A Govt. of India Undertaking)  
 CIN No.:L65910DL1986GOI024862  
 Regd.Office:Urja Nidhi, 1,Barakhamba Lane, New Delhi-110001  
 Qks%/Phone: 23456000, QDI % FAX:(11)23456292  
 E-Mail:loanrecovery@pfcindia.com Website:www.pfcindia.com

GSTIN 07AAACP1570H1ZM

f nukel / Dated : 10/08/2020

Ref. No 04:06: (624):2020-2021

MR. C.D.GOGOI

CHIEF GENERAL MANAGER (F&A)

ASSAM POWER GENERATION CORPORATION LTD.  
 ASSAM POWER GENERATION CORPORATION LIMITED,  
 3RD FLOOR, BIJULEE BHAVAN,  
 PALTAN BAZAR,GUWAHATI-781 001  
 ASSAM

Dear Sir/Madam,

f nukel - 17@08@2020 dksns eyw/ku] C; kt] I fcl Mh eadVks-h] ifrc) rk i Hkkj] bR; kfn dk Hkqrku 17@08@2020 rd dj

PAYMENT OF PRINCIPAL, INTEREST, REDUCTION SUB., COMMITMENT CHARGES ETC. DUE ON : 17/08/2020 TO BE PAID ON OR BEFORE 17/08/2020

fuEufyf[kr \_\_.kksdfty, f nukel 17@08@2020 dkseyw/ku] C; kt] I fcl Mh eadVks-h] ifrc) rk i Hkkj] bR; kfn dh fd'rkadk Hkqrku ns g

The instalments of Principal, Interest, Reduction Sub., Commitment Charges ect. are due for payment on or before 17/08/2020 as per details given below :

The Summary of Dues is as under:

Due for the current month	83,70,305
(+)Overdue of Previous demands - if any	0
(+)Interest & Penal Interest on overdue	0
<b>Total Amount to be paid</b>	<b>83,70,305</b>

d) di; k ukS djfd ns jkf'k dk Hkqrku u djusi j ] fdI h \_\_.k jokrsdks, u ih , ds: i eaoxh'ir djusdh vof| vc 90 fnu dj nh xbz gSA

a) Kindly note that, the period for classifying a loan account as NPA/Stage 3 on account of non-payment of dues has been reduced to 90 days.

[k) mi; Dr i jv jkf'k tek djkuh gksh rFkk ns I sfd, x, vFkok de fd, x, Hkqrku ij ; Fkk ykxv Lo: i C; kt rFkk C; kt ij C; kt i Hkkfjr fd; k tk, xkA vi Ekr Li "Vhdj.k] ; fn dks g]ckn esiklr fd; k tk I drk gA Hkqrku I adh vumSk rFkk x.kuk bl dsl kFk I gXu gA



x) ;g ekā i= vki dksf'k"Vkpjjo'k Hk\$tk tk jgk gā ekā I pāk dh itfir u gksk@ vl; dks/xyrh foya I shkqrku dju@Hkqrku u djudk vf/kdkj ughansh rFkk \_\_.kdriz dks muds nlf; Ro I sfoepr ughadjrhA

b) The above amount is to be remitted in full and penal interest/Int on Int. as applicable shall be charged for delayed and short payments. Clarifications required, if any, may be sought subsequently. Payment instructions and calculations are enclosed herewith.

c) This Demand Notice is being sent as a matter of courtesy. Non-Receipt of Demand Notice/any mistake does not give any right for late payment/non payment and will not absolve from the obligations of Borrower.

?k) ih, Qih dksHkqrku djrsle; dl;k cā-dfku ea "APGCL - 624" vādr djā

d) Kindly Indicate "APGCL - 624" in Bank Narration while making all the payments to PFC.

M) bl dsvfrfjDr] ;g Hkh fuosu gSfd] \_\_.k&driZ 11-30 ctsl siwih, Qih [krseadM/V djuk I fuf'Pkr djavkj ftl Hkh fof/k I shkqrku jkf'k tek djkbz gks ml dh I pāk QDI @bley ds;kjk Hkh nshA

e) Further it is requested that, THE BORROWER MAY ENSURE CREDIT TO PFC'S A/C BEFORE 11.30 AM. Please also inform the same by Fax /email regarding remittances.

Hky&pd/ysh nshA

Errors and Omissions are excepted.

/ku; okn A Thanking you,

Hkonh;~, Yours faithfully,

ikoj Okbus dWksu fyevā dsfy, / FOR POWER FINANCE CORPORATION LIMITED

MILIND M DAFADE  
AGM(FIN)  
LOAN RECOVERY UNIT

Copy To :

MR NAWJIT BARMAN  
ASSAM POWER GENERATION CORPORATION LTD.  
FINANCE OFFICER

ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR, GUWAHATI-781 001  
ASSAM

Hkqrku vumSk / PAYMENT INSTRUCTIONS

1. \_\_.kdrk/ka}kjk nš frffk ij l Hkh izdkj dk l afdkr Hkqrku fuEukuq kj fuxe ds[kkrseafdk; k tk, %

1.All monies payable by the borrower to the Corporation shall be paid on due dates of the relevant payments to the Corporation's Accounts as given below:

1 Account No. 10185775165	of STATE BANK OF INDIA	CHANDRALOK BUILDING, 36 JANPATH, NEW DELHI-110001	(IFSC code . . . .	SBIN0001639 )
2 Account No. 00030350000790	of HDFC BANK	SURYA KIRAN BUILDING, 19 K.G. MARG NEW DELHI-110001	(IFSC code . . . .	HDFC0000003 )
3 Account No. 000705001235	of ICICI BANK	9A, PHELPS BUILDING, CONNAUGHT PLACE, NEW DELHI	(IFSC code . . . .	ICIC0000007 )
4 Account No. 0131002107340626	of PUNJAB NATIONAL BANK	74, JANPATH NEW DELHI-110001	(IFSC code . . . .	PUNB0013100 )

2. ih, Ql h \_\_.kdrk/ka}kjk nš jkf'k dk Hkqrku b&Hkqrku@vkjVhth, l izkkyh }kjk fd, tkusdksi kFkfedrk nsk gS rFkk i kkl kfgR djrk gA

2.PFC would prefer and encourage the Borrowers in remitting the dues through e-Payment/ RTGS System, For which you may like to take up with your Bankers.

3 \_\_.kdrkz i vkr-% l fuf'Pkr djafd nš frffk ij fuxe ds[kkrseafdkqrku dj fn; k x; k gA

3.The Borrower will fully ensure that the monies are duly credited on the due dates to the Corporations's above said Accounts.

4 \_\_.knkrk dsi {k eans l afdkr Hkqrku rc vnk ekuk tk, xk ; fn og jkf'k nš frffk dksfuxe ds[kkrseatek gkstk, xhA

4.The amount due from the borrower on the due dates of the relevant payments will be construed to have been paid only if such amount is duly credited to the Corporation's said Accounts on the due date.

5 nš jkf'k dk Hkqrku nš frffk ij u gksdsh flfkr eabl s\_\_k dh 'krkseapal ekuk t; sk rFkk \_\_.kdrkz pal dh rkjh[k rd \_\_.k dh 'krkdsdvuq kj nhalo: i C; kt dk Hkqrku djudsfy; smRrjnk; h gkska

5.In the event the amount due is not credited to the said Accounts on the due dates of the relevant payments, such non-payment will constitute a default within the terms of the loan and the borrower will be liable to pay penal interest from the date of default till the date on which the amount is duly credited to the said accounts calculated at the rate and in the manner as specified in terms of the sanction of loan.

6 di; k ukS djafd ih, Ql h ubz fnYyh dk GSTIN 07AAACP1570H1ZM gA

6.GSTIN of PFC New Delhi is 07AAACP1570H1ZM which may please be updated in Your records.

7 mDr ij i=kpkj rFkk vl; dksz Li "Vhdj.k fuEufyf[kr vf/kdkfj; kal si klr fd; k tk l drk gA

7.Correspondences on the above, and any clarification that may be required may be addressed to :

uke	i nuke	Qks@QDI @bl ey
i) RAKESH MOHAN	AGM (FIN)	TEL. 011-23456279, email:rakesh_mohan@pfcindia.com
ii) MILIND M DAFADE	DGM (FIN)	TEL. 011-23456258, mm_dafade@pfcindia.com
iii) P.M. BHATNAGAR	SR. MANAGER (FINANCE)	TEL. 011-23456230, email: pm_bhatnagar@pfcindia.com

**\*\* This is not an Invoice**

LOAN NO	INST NO	PRINCIPAL	INTEREST	RED.	SUBSIDY	COMM.	CHARGE	Moratorium Int.	Addl. Int. due to Due_dt shifting	CGST	SGST	IGST	TOTAL (₹)
62102002	164	69,29,557	14,40,748					0	0	0	0	0	83,70,305
; kx /TOTAL		69,29,557	14,40,748					0	0	0	0	0	83,70,305

\*\* This is not an Invoice

Identified Loan

POWER FINANCE CORPORATION LIMITED  
(A Govt. of India Undertaking)  
CIN No.:L65910DL1986GOI024862  
Regd.Office:Urja Nidhi, 1,Barakhamba Lane, New Delhi-110001  
E-Mail:loanrecovery@pfcindia.com Website:www.pfcindia.com

Rep.Name:dem\_not\_hindi\_pnl\_em\_gst  
i"Bl a/ PageNo : 1 / 4

GSTIN 07AAACP1570H1ZM

f nukal / Dated : 10/08/2020

Ref. No 04:06: (624):2020-2021

MR. C.D.GOGOI

CHIEF GENERAL MANAGER (F&A)

ASSAM POWER GENERATION CORPORATION LTD.

ASSAM POWER GENERATION CORPORATION LIMITED,

3RD FLOOR, BIJULEE BHAVAN,

PALTAN BAZAR,GUWAHATI-781 001

ASSAM

Dear Sir/Madam,

f nukal - 17@08@2020 dksns eyw/ku] C; kt] I fcl Mh eadVks-h] ifrc) rk i Hkkj] bR; kfn dk Hkqrku 17@08@2020 rd dj

PAYMENT OF PRINCIPAL, INTEREST, REDUCTION SUB., COMMITMENT CHARGES ETC. DUE ON : 17/08/2020 TO BE PAID ON OR BEFORE 17/08/2020

fuEufyf[kr \_\_.kksdfty, f nukal 17@08@2020 dkseyw/ku] C; kt] I fcl Mh eadVks-h] ifrc) rk i Hkkj] bR; kfn dh fd'rkadk Hkqrku ns g

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(+)Overdue of Previous demands - if any	0
(+)Interest & Penal Interest on overdue	0
<b>Total Amount to be paid</b>	<b>83,70,305</b>

d) di; k ukS djfd ns jkf'k dk Hkqrku u djusi j ] fd l h \_\_.k jokrsdks, u ih , ds: i eaoxh'ir djusdh vof| vc 90 fnu dj nh xbz gSA

a) Kindly note that, the period for classifying a loan account as NPA/Stage 3 on account of non-payment of dues has been reduced to 90 days.

[k) mi; Dr i jv jkf'k tek djkuh gksh rFkk ns l sfd, x, vFkok de fd, x, Hkqrku ij ; Fkk ykxv Lo: i C; kt rFkk C; kt ij C; kt i Hkkfjr fd; k tk, xkA vi Ekr Li "Vhdj.k] ; fn dks g]ckn esiklr fd; k tk l drk gA Hkqrku l adh vumSk rFkk x.kuk bl dsl kFk l gXu gA

x) ; g ek i = vki dksf'k"Vkpjjo'k Hk\$tk tk jgk gA ek I pvak dh itfir u gksk@ vl; dks/xyrh foya I shkqrku dju@Hkqrku u djudk vf/kdkj ughansh rFkk \_\_.kdriz dks muds nlf; Ro I sfoePr ughadjrhA

b) The above amount is to be remitted in full and penal interest/Int on Int. as applicable shall be charged for delayed and short payments. Clarifications required, if any, may be sought subsequently. Payment instructions and calculations are enclosed herewith.

c) This Demand Notice is being sent as a matter of courtesy. Non-Receipt of Demand Notice/any mistake does not give any right for late payment/non payment and will not absolve from the obligations of Borrower.

?k) ih, Qih dksHkqrku djrsle; dl;k ca-dfku ea "APGCL - 624" vdr dja

d) Kindly Indicate "APGCL - 624" in Bank Narration while making all the payments to PFC.

M) bl dsvfrfjDr] ; g Hkh fuosu gSfd] \_\_.k&driZ 11-30 ctsl siwih, Qih [krseadBMV djuk I qur'Pkr djavkj ftl Hkh fof/k I shkqrku jkf'k tek djkbz gks ml dh I pvak ODI @bley ds;kjk Hkh nshA

e) Further it is requested that, THE BORROWER MAY ENSURE CREDIT TO PFC'S A/C BEFORE 11.30 AM. Please also inform the same by Fax /email regarding remittances.

Hky&pd/ysh nshA

Errors and Omissions are excepted.

/ku; okn A Thanking you,

Hkonh;~, Yours faithfully,

ikoj Okbus dWksu fyevd dsy, / FOR POWER FINANCE CORPORATION LIMITED

MILIND M DAFADE  
AGM(FIN)  
LOAN RECOVERY UNIT

Copy To :

MR NAWJIT BARMAN  
ASSAM POWER GENERATION CORPORATION LTD.  
FINANCE OFFICER

ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR, GUWAHATI-781 001  
ASSAM

Hkqrku vumSk / PAYMENT INSTRUCTIONS

1. \_\_.kdrk/ka}kjk nš frffk ij l Hkh izdkj dk l afdkr Hkqrku fuEukuq kj fuxe ds[kkrseafdk; k tk, %

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ii) MILIND M DAFADE	DGM (FIN)	TEL. 011-23456258, mm_dafade@pfcindia.com
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; kx /TOTAL		69,29,557	14,40,748					0	0	0	0	0	83,70,305

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POWER FINANCE CORPORATION LIMITED  
 (A Govt. of India Undertaking)  
 CIN No.:L65910DL1986GOI024862  
 Regd.Office:Urja Nidhi, 1,Barakhamba Lane, New Delhi-110001  
 Qks%/Phone: 23456000, QDI % FAX:(11)23456292  
 E-Mail:loanrecovery@pfcindia.com Website:www.pfcindia.com

GSTIN 07AAACP1570H1ZM

Ref. No 04:06: (624):2020-2021

f nukel / Dated : 10/08/2020

MR. C.D.GOGOI

CHIEF GENERAL MANAGER (F&A)  
 ASSAM POWER GENERATION CORPORATION LTD.  
 ASSAM POWER GENERATION CORPORATION LIMITED,  
 3RD FLOOR, BIJULEE BHAVAN,  
 PALTAN BAZAR,GUWAHATI-781 001  
 ASSAM

Dear Sir/Madam,

f nukel - 17@08@2020 dksns eyw/ku] C; kt] I fcl Mh eadVks-h] ifrc) rk i Hkkj] bR; kfn dk Hkqrku 17@08@2020 rd dj

PAYMENT OF PRINCIPAL, INTEREST, REDUCTION SUB., COMMITMENT CHARGES ETC. DUE ON : 17/08/2020 TO BE PAID ON OR BEFORE 17/08/2020

fuEufyf[kr \_\_.kksdscy, f nukel 17@08@2020 dkseyw/ku] C; kt] I fcl Mh eadVks-h] ifrc) rk i Hkkj] bR; kfn dh fd'rkadk Hkqrku ns g

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d) di; k ukS djafd ns jkf'k dk Hkqrku u djusi j ] fdI h \_\_.k jokrsdks, u ih , ds: i eaoxhdr djusdh vof| vc 90 fnu dj nh xbz gSA

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[k) mi; Dr i jv jkf'k tek djkuh gksh rFkk ns I sfd, x, vFkok de fd, x, Hkqrku ij ; Fkk ykxv Lo: i C; kt rFkk C; kt ij C; kt i Hkkfjr fd; k tk, xkA vi Ekr Li "Vhdj.k] ; fn dks g]ckn esiklr fd; k tk I drk gA Hkqrku I adh vumSk rFkk x.kuk bl dsl kFk I gXu gA



x) ;g ekā i= vki dksf'k"Vkpjjo'k Hk\$tk tk jgk gā ekā I pvak dh itfir u gksk@ vl; dksz xyri foya I shkqrku dju@Hkqrku u djudk vf/kdkj ughansh rFkk \_\_.kdriz dks muds nlf; Ro I sfoepr ughadjrhA

b) The above amount is to be remitted in full and penal interest/Int on Int. as applicable shall be charged for delayed and short payments. Clarifications required, if any, may be sought subsequently. Payment instructions and calculations are enclosed herewith.

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M) bl dsvfrfjDr] ;g Hkh fuosu gsfd] \_\_.k&driZ 11-30 ctsl siwih, Qih [krseadM/V djuk I qur'Pkr djavkj ftl Hkh fof/k I shkqrku jkf'k tek djkbz gks ml dh I pvak QDI @bley ds}kjk Hkh nshA

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Hky&pd/ ysh nshA

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ikoj Okbus dWksu fyevd dsy, / FOR POWER FINANCE CORPORATION LIMITED

MILIND M DAFADE  
AGM(FIN)  
LOAN RECOVERY UNIT

Copy To :

MR NAWJIT BARMAN  
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FINANCE OFFICER

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PALTAN BAZAR, GUWAHATI-781 001  
ASSAM

Hkqrku vumSk / PAYMENT INSTRUCTIONS

1. \_\_.kdrk/ka}kjk nš frffk ij l Hkh izdkj dk l afdkr Hkqrku fuEukuq kj fuxe ds[kkrseafdk; k tk, %

1.All monies payable by the borrower to the Corporation shall be paid on due dates of the relevant payments to the Corporation's Accounts as given below:

1 Account No. 10185775165	of STATE BANK OF INDIA	CHANDRALOK BUILDING, 36 JANPATH, NEW DELHI-110001	(IFSC code . . . .	SBIN0001639 )
2 Account No. 00030350000790	of HDFC BANK	SURYA KIRAN BUILDING, 19 K.G. MARG NEW DELHI-110001	(IFSC code . . . .	HDFC0000003 )
3 Account No. 000705001235	of ICICI BANK	9A, PHELPS BUILDING, CONNAUGHT PLACE, NEW DELHI	(IFSC code . . . .	ICIC0000007 )
4 Account No. 0131002107340626	of PUNJAB NATIONAL BANK	74, JANPATH NEW DELHI-110001	(IFSC code . . . .	PUNB0013100 )

2. ih, Ql h \_\_.kdrk/ka}kjk nš jkf'k dk Hkqrku b&Hkqrku@vkjVhth, l izkkyh }kjk fd, tkusdksi kFkfedrk nsk gS rFkk i kkl kfgR djrk gA

2.PFC would prefer and encourage the Borrowers in remitting the dues through e-Payment/ RTGS System, For which you may like to take up with your Bankers.

3 \_\_.kdrkz i vkr-% l fuf'Pkr djafd nš frffk ij fuxe ds[kkrseafdkqrku dj fn; k x; k gA

3.The Borrower will fully ensure that the monies are duly credited on the due dates to the Corporations's above said Accounts.

4 \_\_.knkrk dsi {k eans l afdkr Hkqrku rc vnk ekuk tk, xk ; fn og jkf'k nš frffk dksfuxe ds[kkrseatek gkstk, xhA

4.The amount due from the borrower on the due dates of the relevant payments will be construed to have been paid only if such amount is duly credited to the Corporation's said Accounts on the due date.

5 nš jkf'k dk Hkqrku nš frffk ij u gksdsh flfkr eabl s\_\_k dh 'krkseapal ekuk t; sk rFkk \_\_.kdrkz pal dh rkjh[k rd \_\_.k dh 'krkdsdvuq kj nklLo: i C; kt dk Hkqrku djusdsfy; smRrjnk; h gkska

5.In the event the amount due is not credited to the said Accounts on the due dates of the relevant payments, such non-payment will constitute a default within the terms of the loan and the borrower will be liable to pay penal interest from the date of default till the date on which the amount is duly credited to the said accounts calculated at the rate and in the manner as specified in terms of the sanction of loan.

6 di; k ukS djafd ih, Ql h ubz fnYyh dk GSTIN 07AAACP1570H1ZM gA

6.GSTIN of PFC New Delhi is 07AAACP1570H1ZM which may please be updated in Your records.

7 mDr ij i=kpkj rFkk vl; dksz Li "Vhdj.k fuEufyf[kr vf/kdkfj; kal si klr fd; k tk l drk gA

7.Correspondences on the above, and any clarification that may be required may be addressed to :

uke	i nuke	Qks@QDI @bl ey
i) RAKESH MOHAN	AGM (FIN)	TEL. 011-23456279, email:rakesh_mohan@pfcindia.com
ii) MILIND M DAFADE	DGM (FIN)	TEL. 011-23456258, mm_dafade@pfcindia.com
iii) P.M. BHATNAGAR	SR. MANAGER (FINANCE)	TEL. 011-23456230, email: pm_bhatnagar@pfcindia.com

**\*\* This is not an Invoice**

LOAN NO	INST NO	PRINCIPAL	INTEREST	RED.	SUBSIDY	COMM.	CHARGE	Moratorium Int.	Addl. Int. due to Due_dt shifting	CGST	SGST	IGST	TOTAL (₹)
62102002	164	69,29,557	14,40,748					0	0	0	0	0	83,70,305
; kx /TOTAL		69,29,557	14,40,748					0	0	0	0	0	83,70,305

\*\* This is not an Invoice

Identified Loan

POWER FINANCE CORPORATION LIMITED  
(A Govt. of India Undertaking)  
CIN No.:L65910DL1986GOI024862  
Regd.Office:Urja Nidhi, 1,Barakhamba Lane, New Delhi-110001  
E-Mail:loanrecovery@pfcindia.com Website:www.pfcindia.com

GSTIN 07AAACP1570H1ZM

Dated : 10/09/2020

Ref. No 04:06: (624):2020-2021

MR. C.D.GOGOI

CHIEF GENERAL MANAGER (F&A)

ASSAM POWER GENERATION CORPORATION LTD.

ASSAM POWER GENERATION CORPORATION LIMITED,

3RD FLOOR, BIJULEE BHAVAN,

PALTAN BAZAR,GUWAHATI-781 001

ASSAM

Dear Sir/Madam,

fnukal - 15@09@2020 dksns eyw/ku] C; kt] I fcl Mh eadVks'h] ifrc) rk i Hkkj] bR; kfn dk Hkqrku 15@09@2020 rd dj

PAYMENT OF PRINCIPAL, INTEREST, REDUCTION SUB., COMMITMENT CHARGES ETC. DUE ON : 15/09/2020 TO BE PAID ON OR BEFORE 15/09/2020

fuEufyf[kr \_\_.kksd'sfy, fnukal 15@09@2020 dkseyw/ku] C; kt] I fcl Mh eadVks'h] ifrc) rk i Hkkj] bR; kfn dh fd'rkadk Hkqrku ns g

The instalments of Principal, Interest, Reduction Sub., Commitment Charges ect. are due for payment on or before 15/09/2020 as per details given below :

The Summary of Dues is as under:

Due for the current month	79,98,174
(+)Overdue of Previous demands - if any	0
(+)Interest & Penal Interest on overdue	0
<b>Total Amount to be paid</b>	<b>79,98,174</b>

d) di; k ukS djf d ns jkf'k dk Hkqrku u djusi j ] fd l h \_\_.k jokrsdks, u ih , ds: i eaoxh'ir djusdh vof| vc 90 fnu dj nh xbz gSA

a) Kindly note that, the period for classifying a loan account as NPA/Stage 3 on account of non-payment of dues has been reduced to 90 days.

[k) mi; Dr i jv jkf'k tek djkuh gks h rFkk ns l sfd, x, vFkok de fd, x, Hkqrku ij ; Fkk ykxv Lo: i C; kt rFkk C; kt ij C; kt i Hkkfjr fd; k tk, xkA vi Ekr Li "Vhdj.k] ; fn dks g] jkn esikr fd; k tk l drk gA Hkqrku l adh vumSk rFkk x.kuk bl dsl kFk l gXu gA

x) ;g ekā i= vki dksf'k"Vkpjjo'k Hk\$tk tk jgk gā ekā I pāk dh itfir u gksk@ vl; dks/xyrh foya I shkqrku dju@Hkqrku u djudk vf/kdkj ughansh rFkk \_\_.kdriz dks muds nlf; Ro I sfoepr ughadjrhA

b) The above amount is to be remitted in full and penal interest/Int on Int. as applicable shall be charged for delayed and short payments. Clarifications required, if any, may be sought subsequently. Payment instructions and calculations are enclosed herewith.

c) This Demand Notice is being sent as a matter of courtesy. Non-Receipt of Demand Notice/any mistake does not give any right for late payment/non payment and will not absolve from the obligations of Borrower.

?k) ih, Qih dksHkqrku djrsle; dl;k cā-dfku ea "APGCL - 624" vādr djā

d) Kindly Indicate "APGCL - 624" in Bank Narration while making all the payments to PFC.

M) bl dsvfrfjDr] ;g Hkh fuosu gSfd] \_\_.k&driZ 11-30 ctsl siwih, Qih [krseadM/V djuk I fuf'Pkr djavkj ftl Hkh fof/k I shkqrku jkf'k tek djkbz gks ml dh I pāk QDI @bley ds}kjk Hkh nshA

e) Further it is requested that, THE BORROWER MAY ENSURE CREDIT TO PFC'S A/C BEFORE 11.30 AM. Please also inform the same by Fax /email regarding remittances.

Hky&pd/ ysh nshA

Errors and Omissions are excepted.

/ku; okn A Thanking you,

Hkonh;~, Yours faithfully,

ikoj Okbus dWksku fyevā dsfy, / FOR POWER FINANCE CORPORATION LIMITED

MILIND M DAFADE  
AGM(FIN)  
LOAN RECOVERY UNIT

Copy To :

MR NAWJIT BARMAN  
ASSAM POWER GENERATION CORPORATION LTD.  
FINANCE OFFICER

ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR, GUWAHATI-781 001  
ASSAM

Hkkqrku vumSk / PAYMENT INSTRUCTIONS

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4 Account No. 10185775165	of STATE BANK OF INDIA	Special PBB,Jawahar Vyapar Bhawan,Janpath,New Delhi - 1.	(IFSC code . . . .	SBIN0006199 )

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4 \_\_.knkrk dsi {k eans l afdr Hkkqrku rc vnk ekuk tk, xk ; fn og jkf'k n\$ frffk dksfuxe ds[kkrseatek gkstk, xhA

4.The amount due from the borrower on the due dates of the relevant payments will be construed to have been paid only if such amount is duly credited to the Corporation's said Accounts on the due date.

5 n\$ jkf'k dk Hkkqrku n\$ frffk ij u gksdsh flfkr eabl s\_\_k dh 'krkseapd/ ekuk t; sk rFkk \_\_.kdrkz pd/ dh rkjh[k rd \_\_.k dh 'krkdsdsvud kj nA Lo: i C; kt dk Hkkqrku djusdsfy; smRrjnk; h gkskA

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62102002	165	69,29,557	10,68,617	0	0	0	0	0	0	0	0	0	79,98,174
; kx /TOTAL		69,29,557	10,68,617	0	0	0	0	0	0	0	0	0	79,98,174

\*\* This is not an Invoice

Identified Loan

POWER FINANCE CORPORATION LIMITED  
(A Govt. of India Undertaking)  
CIN No.:L65910DL1986GOI024862  
Regd.Office:Urja Nidhi, 1,Barakhamba Lane, New Delhi-110001  
E-Mail:loanrecovery@pfcindia.com Website:www.pfcindia.com

GSTIN 07AAACP1570H1ZM

Dated : 10/09/2020

Ref. No 04:06: (624):2020-2021

MR. C.D.GOGOI

CHIEF GENERAL MANAGER (F&A)

ASSAM POWER GENERATION CORPORATION LTD.  
ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR,GUWAHATI-781 001  
ASSAM

Dear Sir/Madam,

fnukel - 15@09@2020 dksns eyw/ku] C; kt] I fcl Mh eadVks'h] ifrc) rk i Hkkj] bR; kfn dk Hkqrku 15@09@2020 rd dj

PAYMENT OF PRINCIPAL, INTEREST, REDUCTION SUB., COMMITMENT CHARGES ETC. DUE ON : 15/09/2020 TO BE PAID ON OR BEFORE 15/09/2020

fuEufyf[kr \_\_.kksd'sfy, fnukel 15@09@2020 dkseyw/ku] C; kt] I fcl Mh eadVks'h] ifrc) rk i Hkkj] bR; kfn dh fd'rkadk Hkqrku ns g

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a) Kindly note that, the period for classifying a loan account as NPA/Stage 3 on account of non-payment of dues has been reduced to 90 days.

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x) ;g ekā i= vki dksf'k"Vkpjjo'k Hk\$tk tk jgk gā ekā I pāk dh itfir u gksk@ vl; dks/xyrh foya I shkqrku dju@Hkqrku u djudk vf/kdkj ughansh rFkk \_\_.kdriz dks muds nlf; Ro I sfoepr ughadjrhA

b) The above amount is to be remitted in full and penal interest/Int on Int. as applicable shall be charged for delayed and short payments. Clarifications required, if any, may be sought subsequently. Payment instructions and calculations are enclosed herewith.

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ikoj Okbua dWksu fyevā dsfy, / FOR POWER FINANCE CORPORATION LIMITED

MILIND M DAFADE  
AGM(FIN)  
LOAN RECOVERY UNIT

Copy To :

MR NAWJIT BARMAN  
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FINANCE OFFICER

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ASSAM

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Rep.Name:dem\_not\_hindi\_pnl\_em\_gst  
PageNo : 1 / 4

GSTIN 07AAACP1570H1ZM

Dated : 10/09/2020

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x) ;g ekā i= vki dksf'k"Vkpjjo'k Hk\$tk tk jgk gā ekā I pvak dh itfir u gksk@ vl; dksz xyri foya I shkqrku dju@Hkqrku u djudk vf/kdkj ughansh rFkk \_\_.kdriz dks muds nlf; Ro I sfoepr ughadjrhA

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MILIND M DAFADE  
AGM(FIN)  
LOAN RECOVERY UNIT

Copy To :

MR NAWJIT BARMAN  
ASSAM POWER GENERATION CORPORATION LTD.  
FINANCE OFFICER

ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR, GUWAHATI-781 001  
ASSAM

Hkkqrku vumSk / PAYMENT INSTRUCTIONS

1. \_\_.kdrk\k\}kjk n\$ frffk ij l Hkh izdkj dk l afdr Hkkqrku fuEukuq kj fuxe ds[kkrseaf; k tk, %

1.All monies payable by the borrower to the Corporation shall be paid on due dates of the relevant payments to the Corporation's Accounts as given below:

1 Account No. 00030350000790	of HDFC BANK	SURYA KIRAN BUILDING, 19 K.G. MARG NEW DELHI-110001	(IFSC code . . . .	HDFC0000003 )
2 Account No. 000705001235	of ICICI BANK	9A,PHELPS BUILDING, CONNAUGHT PLACE, NEW DELHI	(IFSC code . . . .	ICIC0000007 )
3 Account No. 0131002107340626	of PUNJAB NATIONAL BANK	74, JANPATH NEW DELHI-110001	(IFSC code . . . .	PUNB0013100 )
4 Account No. 10185775165	of STATE BANK OF INDIA	Special PBB,Jawahar Vyapar Bhawan,Janpath,New Delhi - 1.	(IFSC code . . . .	SBIN0006199 )

2. ih, Ql h \_\_.kdrk\k\}kjk n\$ jkf'k dk Hkkqrku b&Hkkqrku@vkjVhth, l izkkyh }kjk fd, tkusdksi kFkfedrk nsk g\$ rFk i kkl kfgj djrk gA

2.PFC would prefer and encourage the Borrowers in remitting the dues through e-Payment/ RTGS System,For which you may like to take up with your Bankers.

3 \_\_.kdrk\ i v% l fuf'Pkr djafd n\$ frffk ij fuxe ds[kkrseafHkkqrku dj fn; k x; k gA

3.The Borrower will fully ensure that the monies are duly credited on the due dates to the Corporations's above said Accounts.

4 \_\_.knkrk dsi {k eans l afdr Hkkqrku rc vnk ekuk tk, xk ; fn og jkf'k n\$ frffk dksfuxe ds[kkrseatek gkstk, xhA

4.The amount due from the borrower on the due dates of the relevant payments will be construed to have been paid only if such amount is duly credited to the Corporation's said Accounts on the due date.

5 n\$ jkf'k dk Hkkqrku n\$ frffk ij u gksdsh flfkr eabl s\_\_k dh 'krkseapd/ ekuk t; sk rFk \_\_.kdrk\ pd/ dh rkjh[k rd \_\_.k dh 'krk\sdsvud kj n\$Lo: i C; kt dk Hkkqrku djusdsfy; smRrjnk; h gkzka

5.In the event the amount due is not credited to the said Accounts on the due dates of the relevant payments, such non-payment will constitute a default within the terms of the loan and the borrower will be liable to pay penal interest from the date of default till the date on which the amount is duly credited to the said accounts calculated at the rate and in the manner as specified in terms of the sanction of loan.

6 di; k uk\$ djafd ih, Ql h ubz fnYyh dk GSTIN 07AAACP1570H1ZM gA

6.GSTIN of PFC New Delhi is 07AAACP1570H1ZM which may please be updated in Your records.

7 mDr ij i=kpkj rFk vl; dksz Li "Vhdj.k fuEufyf[kr vf/kdkfj; kal si klr fd; k tk l drk gA

7.Correspondences on the above, and any clarification that may be required may be addressed to :

uke	inuke	Oks@QDI @bl ey
i) RAKESH MOHAN	AGM (FIN)	TEL. 011-23456279, email:rakesh_mohan@pfcindia.com
ii) MILIND M DAFADE	DGM (FIN)	TEL. 011-23456258,mm_dafade@pfcindia.com
iii) P.M. BHATNAGAR	SR. MANAGER (FINANCE)	TEL. 011-23456230,email: pm_bhatnagar@pfcindia.com

**\*\* This is not an Invoice**

LOAN NO	INST NO	PRINCIPAL	INTEREST	RED.	SUBSIDY	COMM.	CHARGE	Moratorium Int.	Addl. Int. due to Due_dt shifting	CGST	SGST	IGST	TOTAL (₹)
62102002	165	69,29,557	10,68,617	0	0	0	0	0	0	0	0	0	79,98,174
; kx /TOTAL		69,29,557	10,68,617	0	0	0	0	0	0	0	0	0	79,98,174

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Identified Loan

POWER FINANCE CORPORATION LIMITED  
(A Govt. of India Undertaking)  
CIN No.:L65910DL1986GOI024862  
Regd.Office:Urja Nidhi, 1,Barakhamba Lane, New Delhi-110001  
E-Mail:loanrecovery@pfcindia.com Website:www.pfcindia.com

Rep.Name:dem\_not\_hindi\_pnl\_em\_gst  
PageNo : 1 / 4

GSTIN 07AAACP1570H1ZM

Ref. No 04:06: (624):2020-2021

Dated : 14/10/2020

MR. C.D.GOGOI

CHIEF GENERAL MANAGER (F&A)  
ASSAM POWER GENERATION CORPORATION LTD.  
ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR,GUWAHATI-781 001  
ASSAM

Dear Sir/Madam,

fnukal - 15@10@2020 dksns eyw/ku] C; kt] I fcl Mh eadVks-h] ifrc) rk i Hkkj] bR; kfn dk Hkqrku 15@10@2020 rd dj

PAYMENT OF PRINCIPAL, INTEREST, REDUCTION SUB., COMMITMENT CHARGES ETC. DUE ON : 15/10/2020 TO BE PAID ON OR BEFORE 15/10/2020

fuEufyf[kr \_\_.kksdfty, fnukal 15@10@2020 dkseyw/ku] C; kt] I fcl Mh eadVks-h] ifrc) rk i Hkkj] bR; kfn dh fd'rkadk Hkqrku ns g

The instalments of Principal, Interest, Reduction Sub., Commitment Charges ect. are due for payment on or before 15/10/2020 as per details given below :

The Summary of Dues is as under:

Due for the current month	20,88,62,061
(+)Overdue of Previous demands - if any	0
(+)Interest & Penal Interest on overdue	0
<b>Total Amount to be paid</b>	<b>20,88,62,061</b>

d) di; k ukS djfd ns jkf'k dk Hkqrku u djusi j ] fdI h \_\_.k jokrsdks, u ih , ds: i eaoxh'ir djusdh vof| vc 90 fnu dj nh xbz gSA

a) Kindly note that, the period for classifying a loan account as NPA/Stage 3 on account of non-payment of dues has been reduced to 90 days.

[k)mi; Dr i jv jkf'k tek djkuh gksh rFkk ns I sfd, x, vFkok de fd, x, Hkqrku ij ; Fkk ykxv Lo: i C; kt rFkk C; kt ij C; kt i Hkkfjr fd; k tk, xkA vi Ekr Li "Vhdj.k] ; fn dks g]ckn esiklr fd; k tk I drk gA Hkqrku I adh vumSk rFkk x.kuk bl dsl kFk I gXu gA



x) ;g ekā i= vki dksf'k"Vkpjjo'k Hk\$tk tk jgk gā ekā I pāk dh itfir u gksk@ vl; dks/xyrh foya I shkqrku dju@Hkqrku u djudk vf/kdkj ughansh rFkk \_\_.kdriz dks muds nlf; Ro I sfoepr ughadjrhA

b) The above amount is to be remitted in full and penal interest/Int on Int. as applicable shall be charged for delayed and short payments. Clarifications required, if any, may be sought subsequently. Payment instructions and calculations are enclosed herewith.

c) This Demand Notice is being sent as a matter of courtesy. Non-Receipt of Demand Notice/any mistake does not give any right for late payment/non payment and will not absolve from the obligations of Borrower.

?k) ih, Qih dksHkqrku djrsle; dl;k cā-dfku ea "APGCL - 624" vādr djā

d) Kindly Indicate "APGCL - 624" in Bank Narration while making all the payments to PFC.

M) bl dsvfrfjDr] ;g Hkh fuosu gSfd] \_\_.k&driZ 11-30 ctsl siwih, Qih [krseadM/V djuk I quf'Pkr djavkj ftl Hkh fof/k I shkqrku jkf'k tek djkbz gks ml dh I pāk QDI @bley ds;kjk Hkh nsrh

e) Further it is requested that, THE BORROWER MAY ENSURE CREDIT TO PFC'S A/C BEFORE 11.30 AM. Please also inform the same by Fax /email regarding remittances.

Hky&pd/ysh nshA

Errors and Omissions are excepted.

/ku; okn A Thanking you,

Hkonh;~, Yours faithfully,

ikoj Okbus dWksu fyevā dsfy, / FOR POWER FINANCE CORPORATION LIMITED

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62102002	166	69,29,555	10,63,721					0	0	0	0	0	79,93,276
62401001	50	3,03,25,984	1,16,16,939					0	0	0	0	0	4,19,42,923
62401003	9	5,94,51,761	9,50,00,922					0	0	0	0	0	15,44,52,683
62404001	47	30,47,387	14,25,792					0	0	0	0	0	44,73,179
;kx /TOTAL		9,97,54,687	10,91,07,374					0	0	0	0	0	20,88,62,061

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Rep.Name:dem\_not\_hindi\_pnl\_em\_gst  
PageNo : 1 / 4

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x) ;g ekā i= vki dksf'k"Vkpjjo'k Hk\$tk tk jgk gā ekā I pvak dh itfir u gksk@ vl; dksz xyri foya I sllqkrku dju@Hkqkrku u djudsk vf/kdkj ughansh rFkk \_\_.kdriz dks muds nlf; Ro I sfoe@r ughadjrhA

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[k) mi; Dr i jv jkf'k tek djkuh gksh rFkk ns I sfd, x, vFkok de fd, x, Hkqrku ij ; Fkk ykxv Lo: i C; kt rFkk C; kt ij C; kt i Hkkfjr fd; k tk, xkA vi Ekr Li "Vhdj.k] ; fn dks g]ckn esiklr fd; k tk I drk gA Hkqrku I adh vumSk rFkk x.kuk bl dsl kFk I gXu gA



x) ;g ekā i= vki dksf'k"Vkpjjo'k Hk\$tk tk jgk gā ekā I pāk dh itfir u gksk@ vl; dks/xyrh foya I shkqrku dju@Hkqrku u djudk vf/kdkj ughansh rFkk \_\_.kdriz dks muds nlf; Ro I sfoepr ughadjrhA

b) The above amount is to be remitted in full and penal interest/Int on Int. as applicable shall be charged for delayed and short payments. Clarifications required, if any, may be sought subsequently. Payment instructions and calculations are enclosed herewith.

c) This Demand Notice is being sent as a matter of courtesy. Non-Receipt of Demand Notice/any mistake does not give any right for late payment/non payment and will not absolve from the obligations of Borrower.

?k) ih, Qih dksHkqrku djrsle; dl;k cā-dfku ea "APGCL - 624" vādr djā

d) Kindly Indicate "APGCL - 624" in Bank Narration while making all the payments to PFC.

M) bl dsvfrfjDr] ;g Hkh fuosu gsfd] \_\_.k&driZ 11-30 ctsl siwih, Qih [krseadM/V djuk I qur'Pkr djavkj ftl Hkh fof/k I shkqrku jkf'k tek djkbz gks ml dh I pāk QDI @bley ds}kjk Hkh nsnā

e) Further it is requested that, THE BORROWER MAY ENSURE CREDIT TO PFC's A/C BEFORE 11.30 AM. Please also inform the same by Fax /email regarding remittances.

Hky&pd/ysh nshA

Errors and Omissions are excepted.

/ku; okn A Thanking you,

Hkonh;~, Yours faithfully,

ikoj Okbus dWksu fyevā dsfy, / FOR POWER FINANCE CORPORATION LIMITED

MILIND M DAFADE  
AGM(FIN)  
LOAN RECOVERY UNIT

Copy To :

MR NAWJIT BARMAN  
ASSAM POWER GENERATION CORPORATION LTD.  
FINANCE OFFICER

ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR, GUWAHATI-781 001  
ASSAM

Hkkqrku vumSk / PAYMENT INSTRUCTIONS

1. \_\_.kdrk\k\}kjk n\$ frffk ij l Hkh izdkj dk l afdkr Hkkqrku fuEukuq kj fuxe ds[kkrseafdk; k tk, %

1.All monies payable by the borrower to the Corporation shall be paid on due dates of the relevant payments to the Corporation's Accounts as given below:

1 Account No. 00030350000790	of HDFC BANK	SURYA KIRAN BUILDING, 19 K.G. MARG NEW DELHI-110001	(IFSC code ....	HDFC0000003 )
2 Account No. 000705001235	of ICICI BANK	9A,PHELPS BUILDING, CONNAUGHT PLACE, NEW DELHI	(IFSC code ....	ICIC0000007 )
3 Account No. 0131002107340626	of PUNJAB NATIONAL BANK	74, JANPATH NEW DELHI-110001	(IFSC code ....	PUNB0013100 )
4 Account No. 10185775165	of STATE BANK OF INDIA	Special PBB,Jawahar Vyapar Bhawan,Janpath,New Delhi - 1.	(IFSC code ....	SBIN0006199 )

2. ih, Ql h \_\_.kdrk\k\}kjk n\$ jkf'k dk Hkkqrku b&Hkkqrku@vkjVhth, l izkkyh }kjk fd, tkusdksi kFkfedrk nsk gsrFkk i kkl kfgR djrk gA

2.PFC would prefer and encourage the Borrowers in remitting the dues through e-Payment/ RTGS System,For which you may like to take up with your Bankers.

3 \_\_.kdrkz i vkr-% l fuf'Pkr djafd n\$ frffk ij fuxe ds[kkrseafdkHkkqrku dj fn; k x; k gA

3.The Borrower will fully ensure that the monies are duly credited on the due dates to the Corporations's above said Accounts.

4 \_\_.knkrk dsi {k eans l afdkr Hkkqrku rc vnk ekuk tk, xk ; fn og jkf'k n\$ frffk dksfuxe ds[kkrseatek gkstk, xhA

4.The amount due from the borrower on the due dates of the relevant payments will be construed to have been paid only if such amount is duly credited to the Corporation's said Accounts on the due date.

5 n\$ jkf'k dk Hkkqrku n\$ frffk ij u gksdsh flfkr eabl s\_\_k dh 'krkiseapdv ekuk t; sk rFkk \_\_.kdrkz pdv dh rkjh[k rd \_\_.k dh 'krkisdsvud kj nklLo: i C; kt dk Hkkqrku djusdsfy; smRrjnk; h gkszka

5.In the event the amount due is not credited to the said Accounts on the due dates of the relevant payments, such non-payment will constitute a default within the terms of the loan and the borrower will be liable to pay penal interest from the date of default till the date on which the amount is duly credited to the said accounts calculated at the rate and in the manner as specified in terms of the sanction of loan.

6 di; k ukS djafd ih, Ql h ubz fnYyh dk GSTIN 07AAACP1570H1ZM gA

6.GSTIN of PFC New Delhi is 07AAACP1570H1ZM which may please be updated in Your records.

7 mDr ij i=kpkj rFkk vU; dksz Li "Vhdj.k fuEufyf[kr vf/kdkfj; kal si klr fd; k tk l drk gA

7.Correspondences on the above, and any clarification that may be required may be addressed to :

uke	inuke	Oks@QDI @bl ey
i) RAKESH MOHAN	AGM (FIN)	TEL. 011-23456279, email:rakesh_mohan@pfcindia.com
ii) MILIND M DAFADE	DGM (FIN)	TEL. 011-23456258,mm_dafade@pfcindia.com
iii) P.M. BHATNAGAR	SR. MANAGER (FINANCE)	TEL. 011-23456230,email: pm_bhatnagar@pfcindia.com

**\*\* This is not an Invoice**

LOAN NO	INST NO	PRINCIPAL	INTEREST	RED.	SUBSIDY	COMM.	CHARGE	Moratorium Int.	Addl. Int. due to Due_dt shifting	CGST	SGST	IGST	TOTAL (₹)
62102002	166	69,29,555	10,63,721					0	0	0	0	0	79,93,276
62401001	50	3,03,25,984	1,16,16,939					0	0	0	0	0	4,19,42,923
62401003	9	5,94,51,761	9,50,00,922					0	0	0	0	0	15,44,52,683
62404001	47	30,47,387	14,25,792					0	0	0	0	0	44,73,179
;kx /TOTAL		9,97,54,687	10,91,07,374					0	0	0	0	0	20,88,62,061

\*\* This is not an Invoice

Identified Loan

POWER FINANCE CORPORATION LIMITED  
(A Govt. of India Undertaking)  
CIN No.:L65910DL1986GOI024862  
Regd.Office:Urja Nidhi, 1,Barakhamba Lane, New Delhi-110001  
E-Mail:loanrecovery@pfcindia.com Website:www.pfcindia.com

Rep.Name:dem\_not\_hindi\_pnl\_em\_gst  
PageNo : 1 / 4

GSTIN 07AAACP1570H1ZM

Ref. No 04:06: (624):2020-2021

Dated : 17/11/2020

MR. C.D.GOGOI

CHIEF GENERAL MANAGER (F&A)  
ASSAM POWER GENERATION CORPORATION LTD.  
ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR,GUWAHATI-781 001  
ASSAM

Dear Sir/Madam,

fnukel - 17@11@2020 dksns eyw/ku] C; kt] I fcl Mh eadVks-h] ifrc) rk i Hkkj] bR; kfn dk Hkqrku 17@11@2020 rd dj

PAYMENT OF PRINCIPAL, INTEREST, REDUCTION SUB., COMMITMENT CHARGES ETC. DUE ON : 17/11/2020 TO BE PAID ON OR BEFORE 17/11/2020

fuEufyf[kr \_\_.kksdfty, fnukel 17@11@2020 dkseyw/ku] C; kt] I fcl Mh eadVks-h] ifrc) rk i Hkkj] bR; kfn dh fd'rkadk Hkqrku ns g

The instalments of Principal, Interest, Reduction Sub., Commitment Charges ect. are due for payment on or before 17/11/2020 as per details given below :

The Summary of Dues is as under:

Due for the current month	80,24,277
(+)Overdue of Previous demands - if any	0
(+)Interest & Penal Interest on overdue	0
<b>Total Amount to be paid</b>	<b>80,24,277</b>

d) di; k uk\$ dj\$fd ns jkf'k dk Hkqrku u djusi j ] fd l h \_\_.k jokrsdks, u ih , ds: i eaoxh'ir djusdh vof| vc 90 fnu dj nh xbz g\$A

a) Kindly note that, the period for classifying a loan account as NPA/Stage 3 on account of non-payment of dues has been reduced to 90 days.

[k)mi; Dr i jv jkf'k tek djkuh gksh rFkk ns l sfd, x, vFkok de fd, x, Hkqrku ij ; Fkk ykxvnaLo: i C; kt rFkk C; kt ij C; kt i Hkkfjr fd; k tk, xkA vi Ekr Li "Vhdj.k] ; fn dksz g]ckn esiklr fd; k tk l drk g\$ Hkqrku l ead'vump\$ rFkk x.kuk bl dsl kFk l g\$Xu g\$

x) ;g ekā i= vki dksf'k"Vkpjjo'k Hk\$tk tk jgk gā ekā I pāk dh itflr u gksk@ vl; dks/xyrh foya I shkqrku dju@Hkqrku u djudsk vf/kdkj ughansh rFkk \_\_.kdriz dks muds nlf; Ro I sfoe@r ughadjrhA

b) The above amount is to be remitted in full and penal interest/Int on Int. as applicable shall be charged for delayed and short payments. Clarifications required, if any, may be sought subsequently. Payment instructions and calculations are enclosed herewith.

c) This Demand Notice is being sent as a matter of courtesy. Non-Receipt of Demand Notice/any mistake does not give any right for late payment/non payment and will not absolve from the obligations of Borrower.

?k) ih, Qih dksHkqrku djrsle; dl;k cā-dfku ea "APGCL - 624" vādr djā

d) Kindly Indicate "APGCL - 624" in Bank Narration while making all the payments to PFC.

M) bl dsvfrfjDr] ;g Hkh fuosu g\$fd] \_\_.k&driZ 11-30 ctsl siwih, Qih [krseadM/V djuk I qur'Pkr djavkj ftl Hkh fof/k I shkqrku jkf'k tek djkbz gks ml dh I pāk QDI @bley ds}kjk Hkh nsnā

e) Further it is requested that, THE BORROWER MAY ENSURE CREDIT TO PFC's A/C BEFORE 11.30 AM. Please also inform the same by Fax /email regarding remittances.

Hky&pd/ysh nshA

Errors and Omissions are excepted.

/ku; okn A Thanking you,

Hkonh;~, Yours faithfully,

ikoj Okbus dWksu fyevā dsfy, / FOR POWER FINANCE CORPORATION LIMITED

D.V.SUBBA RAO  
SENIOR GENERAL MANAGER (FINANCE)  
LOAN RECOVERY UNIT

Copy To :

MR NAWJIT BARMAN  
ASSAM POWER GENERATION CORPORATION LTD.  
FINANCE OFFICER

ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR, GUWAHATI-781 001  
ASSAM

Hkkqrku vuqSk / PAYMENT INSTRUCTIONS

1. \_\_.kdrkz/ka}kjk n\$ frffk ij l Hkh izdkj dk l afdr Hkkqrku fuEukuq kj fuxe ds[kkrseaf; k tk, %

1.All monies payable by the borrower to the Corporation shall be paid on due dates of the relevant payments to the Corporation's Accounts as given below:

1 Account No. 00030350000790 of HDFC Bank K G Marg, New Delhi (IFSC code ..... HDFC0000003 )

2. ih, Ql h \_\_.kdrkz/ka}kjk n\$ jkf'k dk Hkkqrku b&Hkkqrku@vkjVhth, l izkkyh }kjk fd, tkusdksi kFkfedr nsk gS rFkk i k&l kfgR djrk gA

2.PFC would prefer and encourage the Borrowers in remitting the dues through e-Payment/ RTGS System, For which you may like to take up with your Bankers.

3 \_\_.kdrkz i v% l quf' Pkr djaf; n\$ frffk ij fuxe ds[kkrseaf Hkkqrku dj fn; k x; k gA

3.The Borrower will fully ensure that the monies are duly credited on the due dates to the Corporations's above said Accounts.

4 \_\_.knkrk dsi {k eans l afdr Hkkqrku rc vnk ekuk tk, xk ; fn og jkf'k n\$ frffk dks fuxe ds[kkrseatek gkst, xhA

4.The amount due from the borrower on the due dates of the relevant payments will be construed to have been paid only if such amount is duly credited to the Corporation's said Accounts on the due date.

5 n\$ jkf'k dk Hkkqrku n\$ frffk ij u gksd h flfkr eabl s\_\_k dh 'krk seap' ekuk t; sk rFkk \_\_.kdrkz p'v dh rkjh[k rd \_\_.k dh 'krk sdsvuq' kj n&l Lo: i C; kt dk Hkkqrku djusd s fy; smRrjnk; h gkskA

5.In the event the amount due is not credited to the said Accounts on the due dates of the relevant payments, such non-payment will constitute a default within the terms of the loan and the borrower will be liable to pay penal interest from the date of default till the date on which the amount is duly credited to the said accounts calculated at the rate and in the manner as specified in terms of the sanction of loan.

6 di; k uk\$ djaf; ih, Ql h ubz fnYyh dk GSTIN 07AAACP1570H1ZM gA

6.GSTIN of PFC New Delhi is 07AAACP1570H1ZM which may please be updated in Your records.

7 mDr ij i=kpkj rFkk vU; dksz Li "Vhdj.k fuEufyf[kr vf/kdkfj; kal si klr fd; k tk l drk gA

7.Correspondences on the above, and any clarification that may be required may be addressed to :

	uke	inuke	Oks@QDI @bl ey
i)	D.V.SUBBA RAO	SENIOR GENERAL MANAGER (FINANCE)	TEL. 011-23456279, subba_rao@pfcindia.com
ii)	D.V.SUBBA RAO	SENIOR GENERAL MANAGER (FINANCE)	TEL. 011-23456279, subba_rao@pfcindia.com
iii)	D.V.SUBBA RAO	SENIOR GENERAL MANAGER (FINANCE)	TEL. 011-23456279, subba_rao@pfcindia.com

**\*\* This is not an Invoice**

LOAN NO	INST NO	PRINCIPAL	INTEREST	RED.	SUBSIDY	COMM.	CHARGE	Moratorium Int.	Addl. Int. due to Due_dt shifting	CGST	SGST	IGST	TOTAL (₹)
62102002	167	69,29,557	10,94,720	0	0	0	0	0	0	0	0	0	80,24,277
; kx /TOTAL		69,29,557	10,94,720	0	0	0	0	0	0	0	0	0	80,24,277

\*\* This is not an Invoice

Identified Loan

POWER FINANCE CORPORATION LIMITED  
(A Govt. of India Undertaking)  
CIN No.:L65910DL1986GOI024862  
Regd.Office:Urja Nidhi, 1,Barakhamba Lane, New Delhi-110001  
E-Mail:loanrecovery@pfcindia.com Website:www.pfcindia.com

Rep.Name:dem\_not\_hindi\_pnl\_em\_gst  
PageNo : 1 / 4

GSTIN 07AAACP1570H1ZM

Ref. No 04:06: (624):2020-2021

Dated : 17/11/2020

MR. C.D.GOGOI

CHIEF GENERAL MANAGER (F&A)  
ASSAM POWER GENERATION CORPORATION LTD.  
ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR,GUWAHATI-781 001  
ASSAM

Dear Sir/Madam,

fnukel - 17@11@2020 dksns eyw/ku] C; kt] I fcl Mh eadVks-h] ifrc) rk i Hkkj] bR; kfn dk Hkqrku 17@11@2020 rd djs

PAYMENT OF PRINCIPAL, INTEREST, REDUCTION SUB., COMMITMENT CHARGES ETC. DUE ON : 17/11/2020 TO BE PAID ON OR BEFORE 17/11/2020

fuEufyf[kr \_\_.kksdfty, fnukel 17@11@2020 dkseyw/ku] C; kt] I fcl Mh eadVks-h] ifrc) rk i Hkkj] bR; kfn dh fd'rkadk Hkqrku ns gS

The instalments of Principal, Interest, Reduction Sub., Commitment Charges ect. are due for payment on or before 17/11/2020 as per details given below :

The Summary of Dues is as under:

Due for the current month	80,24,277
(+)Overdue of Previous demands - if any	0
(+)Interest & Penal Interest on overdue	0
<b>Total Amount to be paid</b>	<b>80,24,277</b>

d) di; k ukS djsfd ns jkf'k dk Hkqrku u djustij ] fdI h \_\_.k jokrsdks, u ih , ds: i eaoxhdr djusdh vof| vc 90 fnu dj nh xbz gSA

a) Kindly note that, the period for classifying a loan account as NPA/Stage 3 on account of non-payment of dues has been reduced to 90 days.

[k)mi; Dr i jv jkf'k tek djkuh gks h rFkk ns I sfd, x, vFkok de fd, x, Hkqrku ij ; Fkk ykxv Lo: i C; kt rFkk C; kt ij C; kt i Hkkfjr fd; k tk, xkA vi Ekr Li "Vhdj.k] ; fn dks g]ckn esiklr fd; k tk I drk gA Hkqrku I adh vumSk rFkk x.kuk bl dsl kFk I gXu gA



x) ;g ekā i= vki dksf'k"Vkpjjo'k Hk\$tk tk jgk gā ekā I pāk dh itflr u gksk@ vl; dks/xyrh foya I shkqrku dju@Hkqrku u djudsk vf/kdkj ughansh rFkk \_\_.kdriz dks muds nlf; Ro I sfoe@r ughadjrhA

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M) bl dsvfrfjDr] ;g Hkh fuosu g\$fd] \_\_.k&driZ 11-30 ctsl siwih, Qih [krseadM/V djuk I qur'Pkr djavkj ftl Hkh fof/k I shkqrku jkf'k tek djkbz gks ml dh I pāk QDI @bley ds}kjk Hkh nshA

e) Further it is requested that, THE BORROWER MAY ENSURE CREDIT TO PFC's A/C BEFORE 11.30 AM. Please also inform the same by Fax /email regarding remittances.

Hky&pd/ ysh nshA

Errors and Omissions are excepted.

/ku; okn A Thanking you,

Hkonh;~, Yours faithfully,

ikoj Okbus dWksu fyevā dsfy, / FOR POWER FINANCE CORPORATION LIMITED

D.V.SUBBA RAO  
SENIOR GENERAL MANAGER (FINANCE)  
LOAN RECOVERY UNIT

Copy To :

MR NAWJIT BARMAN  
ASSAM POWER GENERATION CORPORATION LTD.  
FINANCE OFFICER

ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR, GUWAHATI-781 001  
ASSAM

Hkqrku vumSk / PAYMENT INSTRUCTIONS

1. .kdrk/ks}kjk ns frffk ij l Hkh izdkj dk l afdkr Hkqrku fuEukuq kj fuxe ds[kkrseafdk tk,%  
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7. mDr ij i=kpkj rFkk vl; dksz Li "Vhdj.k fuEufyf[kr vf/kdkfj; kal si klr fd; k tk l drk gA  
 7.Correspondences on the above, and any clarification that may be required may be addressed to :
- |                    |                                  |   |
|--------------------|----------------------------------|---|
| uke                | inuke                            | Qks@QDI @bl ey                            |
| i) D.V.SUBBA RAO   | SENIOR GENERAL MANAGER (FINANCE) | TEL. 011-23456279, subba_rao@pfcindia.com |
| ii) D.V.SUBBA RAO  | SENIOR GENERAL MANAGER (FINANCE) | TEL. 011-23456279, subba_rao@pfcindia.com |
| iii) D.V.SUBBA RAO | SENIOR GENERAL MANAGER (FINANCE) | TEL. 011-23456279, subba_rao@pfcindia.com |

**\*\* This is not an Invoice**

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; kx /TOTAL		69,29,557	10,94,720	0	0	0	0	0	0	0	0	0	80,24,277

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CIN No.:L65910DL1986GOI024862  
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Rep.Name:dem\_not\_hindi\_pnl\_em\_gst  
PageNo : 1 / 4

GSTIN 07AAACP1570H1ZM

Ref. No 04:06: (624):2020-2021

Dated : 17/11/2020

MR. C.D.GOGOI

CHIEF GENERAL MANAGER (F&A)  
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ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR,GUWAHATI-781 001  
ASSAM

Dear Sir/Madam,

fnukel - 17@11@2020 dksns eyw/ku] C; kt] I fcl Mh eadVks-h] ifrc) rk i Hkkj] bR; kfn dk Hkqrku 17@11@2020 rd djs

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fuEufyf[kr \_\_.kksdfty, fnukel 17@11@2020 dkseyw/ku] C; kt] I fcl Mh eadVks-h] ifrc) rk i Hkkj] bR; kfn dh fd'rkadk Hkqrku ns gS

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<b>Total Amount to be paid</b>	<b>80,24,277</b>

d) di; k ukS djsfd ns jkf'k dk Hkqrku u djustij ] fdl h \_\_.k jokrsdks, u ih , ds: i eaoxhdr djusdh vof| vc 90 fnu dj nh xbz gSA

a) Kindly note that, the period for classifying a loan account as NPA/Stage 3 on account of non-payment of dues has been reduced to 90 days.

[k)mi; Dr i jv jkf'k tek djkuh gks h rFkk ns I sfd, x, vFkok de fd, x, Hkqrku ij ; Fkk ykxv Lo: i C; kt rFkk C; kt ij C; kt i Hkkfjr fd; k tk, xkA vi Ekr Li "Vhdj.k] ; fn dks g]ckn esiklr fd; k tk I drk gA Hkqrku I adh vumSk rFkk x.kuk bl dsl kFk I gXu gA

x) ; g ek i = vki dksf'k"Vkpjjo'k Hk\$tk tk jgk gA ek I pvak dh itflr u gksk@ vl; dks/xyrh foya I shkqrku dju@Hkqrku u djudsk vf/kdkj ughansh rFkk \_\_.kdriz dks muds nlf; Ro I sfoePr ughadjrhA

b) The above amount is to be remitted in full and penal interest/Int on Int. as applicable shall be charged for delayed and short payments. Clarifications required, if any, may be sought subsequently. Payment instructions and calculations are enclosed herewith.

c) This Demand Notice is being sent as a matter of courtesy. Non-Receipt of Demand Notice/any mistake does not give any right for late payment/non payment and will not absolve from the obligations of Borrower.

?k) ih, Qih dksHkqrku djrsle; dl;k ca-dfku ea "APGCL - 624" vdr dja

d) Kindly Indicate "APGCL - 624" in Bank Narration while making all the payments to PFC.

M) bl dsvfrfjDr] ; g Hkh fuosu gSfd] \_\_.k&driZ 11-30 ctsl siwih, Qih [krseadM/V djuk I qur'Pkr djavkj ftl Hkh fof/k I shkqrku jkf'k tek djkbz gks ml dh I pvak QDI @bley ds}kjk Hkh nshA

e) Further it is requested that, THE BORROWER MAY ENSURE CREDIT TO PFC's A/C BEFORE 11.30 AM. Please also inform the same by Fax /email regarding remittances.

Hky&pd/ysh nshA

Errors and Omissions are excepted.

/ku; okn A Thanking you,

Hkonh;~, Yours faithfully,

ikoj Okbua dWksu fyevd dsy, / FOR POWER FINANCE CORPORATION LIMITED

D.V.SUBBA RAO  
SENIOR GENERAL MANAGER (FINANCE)  
LOAN RECOVERY UNIT

Copy To :

MR NAWJIT BARMAN  
ASSAM POWER GENERATION CORPORATION LTD.  
FINANCE OFFICER

ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR, GUWAHATI-781 001  
ASSAM

Hkkqrku vumSk / PAYMENT INSTRUCTIONS

1. \_\_.kdrkz/ka}kjk n\$ frffk ij l Hkh izdkj dk l afdkr Hkkqrku fuEukuq kj fuxe ds[kkrseafdk; k tk, %

1.All monies payable by the borrower to the Corporation shall be paid on due dates of the relevant payments to the Corporation's Accounts as given below:

1 Account No. 00030350000790 of HDFC Bank K G Marg, New Delhi (IFSC code ..... HDFC0000003)

2. ih, Ql h \_\_.kdrkz/ka}kjk n\$ jkf'k dk Hkkqrku b&Hkkqrku@vkjVhth, l izkkyh }kjk fd, tkusdksi kFkfedrk nsk gS rFkk i k&l kfgR djrk gA

2.PFC would prefer and encourage the Borrowers in remitting the dues through e-Payment/ RTGS System, For which you may like to take up with your Bankers.

3 \_\_.kdrkz i vkr-% l fuf'Pkr djafd n\$ frffk ij fuxe ds[kkrseafdk Hkkqrku dj fn; k x; k gA

3.The Borrower will fully ensure that the monies are duly credited on the due dates to the Corporations's above said Accounts.

4 \_\_.knkrk dsi {k eans l afdkr Hkkqrku rc vnk ekuk tk, xk ; fn og jkf'k n\$ frffk dksfuxe ds[kkrseatek gkstk, xhA

4.The amount due from the borrower on the due dates of the relevant payments will be construed to have been paid only if such amount is duly credited to the Corporation's said Accounts on the due date.

5 n\$ jkf'k dk Hkkqrku n\$ frffk ij u gksdsh flfkr eabl s\_\_k dh 'krkiseapdv ekuk t; sk rFkk \_\_.kdrkz pav dh rkjh[k rd \_\_.k dh 'krkiseapdv kj n&l Lo: i C; kt dk Hkkqrku djusdsfy; smRrjnk; h gkskA

5.In the event the amount due is not credited to the said Accounts on the due dates of the relevant payments, such non-payment will constitute a default within the terms of the loan and the borrower will be liable to pay penal interest from the date of default till the date on which the amount is duly credited to the said accounts calculated at the rate and in the manner as specified in terms of the sanction of loan.

6 di; k ukS djafd ih, Ql h ubz fnYyh dk GSTIN 07AAACP1570H1ZM gA

6.GSTIN of PFC New Delhi is 07AAACP1570H1ZM which may please be updated in Your records.

7 mDr ij i=kpkj rFkk vU; dksz Li "Vhdj.k fuEufyf[kr vf/kdkfj; kal si klr fd; k tk l drk gA

7.Correspondences on the above, and any clarification that may be required may be addressed to :

uke	i nuke	Oks@QDI @bl ey
i) D.V.SUBBA RAO	SENIOR GENERAL MANAGER (FINANCE)	TEL. 011-23456279, subba_rao@pfcindia.com
ii) D.V.SUBBA RAO	SENIOR GENERAL MANAGER (FINANCE)	TEL. 011-23456279, subba_rao@pfcindia.com
iii) D.V.SUBBA RAO	SENIOR GENERAL MANAGER (FINANCE)	TEL. 011-23456279, subba_rao@pfcindia.com

**\*\* This is not an Invoice**

LOAN NO	INST NO	PRINCIPAL	INTEREST	RED.	SUBSIDY	COMM.	CHARGE	Moratorium Int.	Addl. Int. due to Due_dt shifting	CGST	SGST	IGST	TOTAL (₹)
62102002	167	69,29,557	10,94,720					0	0	0	0	0	80,24,277
; kx /TOTAL		69,29,557	10,94,720					0	0	0	0	0	80,24,277

\*\* This is not an Invoice

Identified Loan

POWER FINANCE CORPORATION LIMITED  
(A Govt. of India Undertaking)  
CIN No.:L65910DL1986GOI024862  
Regd.Office:Urja Nidhi, 1,Barakhamba Lane, New Delhi-110001  
E-Mail:loanrecovery@pfcindia.com Website:www.pfcindia.com

Rep.Name:dem\_not\_hindi\_pnl\_em\_gst  
PageNo : 1 / 4

GSTIN 07AAACP1570H1ZM

Dated : 09/12/2020

Ref. No 04:06: (624):2020-2021

MR. C.D.GOGOI

CHIEF GENERAL MANAGER (F&A)

ASSAM POWER GENERATION CORPORATION LTD.

ASSAM POWER GENERATION CORPORATION LIMITED,

3RD FLOOR, BIJULEE BHAVAN,

PALTAN BAZAR,GUWAHATI-781 001

ASSAM

Dear Sir/Madam,

fnukal - 15@12@2020 dksns eyw/ku] C; kt] I fcl Mh eadVks-h] ifrc) rk i Hkkj] bR; kfn dk Hkqrku 15@12@2020 rd dj

PAYMENT OF PRINCIPAL, INTEREST, REDUCTION SUB., COMMITMENT CHARGES ETC. DUE ON : 15/12/2020 TO BE PAID ON OR BEFORE 15/12/2020

fuEufyf[kr \_\_.kksdfty, fnukal 15@12@2020 dkseyw/ku] C; kt] I fcl Mh eadVks-h] ifrc) rk i Hkkj] bR; kfn dh fd'rkadk Hkqrku ns g

The instalments of Principal, Interest, Reduction Sub., Commitment Charges ect. are due for payment on or before 15/12/2020 as per details given below :

The Summary of Dues is as under:

Due for the current month	78,06,954
(+)Overdue of Previous demands - if any	0
(+)Interest & Penal Interest on overdue	0
<b>Total Amount to be paid</b>	<b>78,06,954</b>

d) di; k uk\$ djfd ns jkf'k dk Hkqrku u djusi j ] fd l h \_\_.k jokrsdks, u ih , ds: i eaoxh'ir djusdh vof| vc 90 fnu dj nh xbz gSA

a) Kindly note that, the period for classifying a loan account as NPA/Stage 3 on account of non-payment of dues has been reduced to 90 days.

[k) mi; Dr i jv jkf'k tek djkuh gksh rFkk ns l sfd, x, vFkok de fd, x, Hkqrku ij ; Fkk ykxv Lo: i C; kt rFkk C; kt ij C; kt i Hkkj]r fd; k tk, xkA vi Ekr Li "Vhdj.k] ; fn dks g]ckn esiklr fd; k tk l drk gA Hkqrku l adh vumSk rFkk x.kuk bl dsl kFk l gXu gA



x) ;g ekā i= vki dksf'k"Vkpjjo'k Hk\$tk tk jgk gā ekā I pvak dh itflr u gksk@ vl; dks/xyrh foya I shkqrku dju@Hkqrku u djudsk vf/kdkj ughansh rFkk \_\_.kdriz dks muds nlf; Ro I sfoe@r ughadjrhA

b) The above amount is to be remitted in full and penal interest/Int on Int. as applicable shall be charged for delayed and short payments. Clarifications required, if any, may be sought subsequently. Payment instructions and calculations are enclosed herewith.

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M) bl dsvfrfjDr] ;g Hkh fuosu g\$fd] \_\_.k&driZ 11-30 ctsl siwih, Qih [krseadM/V djuk I qur'Pkr djavkj ftl Hkh fof/k I shkqrku jkf'k tek djkbz gks ml dh I pvak QDI @bley ds}kjk Hkh nshA

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Hky&pd/ysh nshA

Errors and Omissions are excepted.

/ku; okn A Thanking you,

Hkonh;~, Yours faithfully,

ikoj Okbus dWksu fyevd dsfy, / FOR POWER FINANCE CORPORATION LIMITED

D.V.SUBBA RAO  
SENIOR GENERAL MANAGER (FINANCE)  
LOAN RECOVERY UNIT

Copy To :

MR NAWJIT BARMAN  
ASSAM POWER GENERATION CORPORATION LTD.  
FINANCE OFFICER

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3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR, GUWAHATI-781 001  
ASSAM

Hkkqrku vuqsk / PAYMENT INSTRUCTIONS

1. .kdrk/ks}kjk ns frffk ij l Hkh izdkj dk l afkr Hkkqrku fuEukuq kj fuxe ds[kkrseafdk tk, %

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2.PFC would prefer and encourage the Borrowers in remitting the dues through e-Payment/ RTGS System, For which you may like to take up with your Bankers.

3. .kdrkz i v& % l fuf' Pkr djafd ns frffk ij fuxe ds[kkrseafdk Hkkqrku dj fn; k x; k gA

3.The Borrower will fully ensure that the monies are duly credited on the due dates to the Corporations's above said Accounts.

4. .knkrk dsi {k eans l afkr Hkkqrku rc vnk ekuk tk, xk ; fn og jkf'k ns frffk dksfuxe ds[kkrseatek gkstk, xhA

4.The amount due from the borrower on the due dates of the relevant payments will be construed to have been paid only if such amount is duly credited to the Corporation's said Accounts on the due date.

5. ns jkf'k dk Hkkqrku ns frffk ij u gksdsh flfkr eabl s\_\_k dh 'krkseapdv ekuk t; sk rFkk \_\_.kdrkz pdv dh rkjh[k rd \_\_.k dh 'krkdsdvud kj n&lLo: i C; kt dk Hkkqrku djusdsfy; smRrjnk; h gkskA

5.In the event the amount due is not credited to the said Accounts on the due dates of the relevant payments, such non-payment will constitute a default within the terms of the loan and the borrower will be liable to pay penal interest from the date of default till the date on which the amount is duly credited to the said accounts calculated at the rate and in the manner as specified in terms of the sanction of loan.

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6.GSTIN of PFC New Delhi is 07AAACP1570H1ZM which may please be updated in Your records.

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7.Correspondences on the above, and any clarification that may be required may be addressed to :

	<u>uke</u>	<u>inuke</u>	<u>Qks@QDI @bl ey</u>
i)	D.V.SUBBA RAO	SENIOR GENERAL MANAGER (FINANCE)	TEL. 011-23456279, subba_rao@pfcindia.com
ii)	D.V.SUBBA RAO	SENIOR GENERAL MANAGER (FINANCE)	TEL. 011-23456279, subba_rao@pfcindia.com
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**\*\* This is not an Invoice**

LOAN NO	INST NO	PRINCIPAL	INTEREST	RED.	SUBSIDY	COMM.	CHARGE	Moratorium Int.	Addl. Int. due to Due_dt shifting	CGST	SGST	IGST	TOTAL (₹)
62102002	168	69,29,557	8,77,397	0	0	0	0	0	0	0	0	0	78,06,954
; kx /TOTAL		69,29,557	8,77,397	0	0	0	0	0	0	0	0	0	78,06,954

\*\* This is not an Invoice

Identified Loan

POWER FINANCE CORPORATION LIMITED  
(A Govt. of India Undertaking)  
CIN No.:L65910DL1986GOI024862  
Regd.Office:Urja Nidhi, 1,Barakhamba Lane, New Delhi-110001  
E-Mail:loanrecovery@pfcindia.com Website:www.pfcindia.com

Rep.Name:dem\_not\_hindi\_pnl\_em\_gst  
i"Bl a/ PageNo : 1 / 4

GSTIN 07AAACP1570H1ZM

f nukal / Dated : 09/12/2020

Ref. No 04:06: (624):2020-2021

MR. C.D.GOGOI

CHIEF GENERAL MANAGER (F&A)

ASSAM POWER GENERATION CORPORATION LTD.  
ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR,GUWAHATI-781 001  
ASSAM

Dear Sir/Madam,

f nukal - 15@12@2020 dksns eyw/ku] C; kt] I fcl Mh eadVks-h] i frc) rk i Hkkj] bR; kfn dk Hkqrku 15@12@2020 rd dj

PAYMENT OF PRINCIPAL, INTEREST, REDUCTION SUB., COMMITMENT CHARGES ETC. DUE ON : 15/12/2020 TO BE PAID ON OR BEFORE 15/12/2020

fuEufyf[kr \_\_.kksdfty, f nukal 15@12@2020 dkseyw/ku] C; kt] I fcl Mh eadVks-h] i frc) rk i Hkkj] bR; kfn dh fd'rkadk Hkqrku ns g

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(+)Interest & Penal Interest on overdue	0
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Hkonh;~, Yours faithfully,

ikoj Okbus dkkjsku fyevā dsfy, / FOR POWER FINANCE CORPORATION LIMITED

D.V.SUBBA RAO  
SENIOR GENERAL MANAGER (FINANCE)  
LOAN RECOVERY UNIT

Copy To :

MR NAWJIT BARMAN  
ASSAM POWER GENERATION CORPORATION LTD.  
FINANCE OFFICER

ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
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Rep.Name:dem\_not\_hindi\_pnl\_em\_gst  
i"Bl a/ PageNo : 1 / 4

GSTIN 07AAACP1570H1ZM

f nukal / Dated : 09/12/2020

Ref. No 04:06: (624):2020-2021

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a) Kindly note that, the period for classifying a loan account as NPA/Stage 3 on account of non-payment of dues has been reduced to 90 days.

[k) mi; Dr i jv jkf'k tek djkuh gksh rFkk ns l sfd, x, vFkok de fd, x, Hkqrku ij ; Fkk ykxv Lo: i C; kt rFkk C; kt ij C; kt i Hkkj]r fd; k tk, xkA vi Ekr Li "Vhdj.k] ; fn dks g]ckn esiklr fd; k tk l drk gA Hkqrku l adh vumSk rFkk x.kuk bl dsl kFk l gXu gA



x) ;g ekā i= vki dksf'k"Vkpjjo'k Hk\$tk tk jgk gā ekā I pāk dh itfir u gksk@ vl; dks/xyrh foya I shkqrku dju@Hkqrku u djudsk vf/kdkj ughansh rFkk \_\_.kdriz dks muds nlf; Ro I sfoe@r ughadjrhA

b) The above amount is to be remitted in full and penal interest/Int on Int. as applicable shall be charged for delayed and short payments. Clarifications required, if any, may be sought subsequently. Payment instructions and calculations are enclosed herewith.

c) This Demand Notice is being sent as a matter of courtesy. Non-Receipt of Demand Notice/any mistake does not give any right for late payment/non payment and will not absolve from the obligations of Borrower.

?k) ih, Qih dksHkqrku djrsle; dl;k cā-dfku ea "APGCL - 624" vādr djā

d) Kindly Indicate "APGCL - 624" in Bank Narration while making all the payments to PFC.

M) bl dsvfrfjDr] ;g Hkh fuosu g\$fd] \_\_.k&driZ 11-30 ctsl siwih, Qih [krseadM/V djuk I qur'Pkr djavkj ftl Hkh fof/k I shkqrku jkf'k tek djkbz gks ml dh I pāk QDI @bley ds}kjk Hkh nsrh

e) Further it is requested that, THE BORROWER MAY ENSURE CREDIT TO PFC's A/C BEFORE 11.30 AM. Please also inform the same by Fax /email regarding remittances.

Hky&pd/ysh nshA

Errors and Omissions are excepted.

/ku; okn A Thanking you,

Hkonh;~, Yours faithfully,

ikoj Okbus dWksu fyevā dsfy, / FOR POWER FINANCE CORPORATION LIMITED

D.V.SUBBA RAO  
SENIOR GENERAL MANAGER (FINANCE)  
LOAN RECOVERY UNIT

Copy To :

MR NAWJIT BARMAN  
ASSAM POWER GENERATION CORPORATION LTD.  
FINANCE OFFICER

ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR, GUWAHATI-781 001  
ASSAM

Hkkqrku vumSk / PAYMENT INSTRUCTIONS

1. \_\_.kdrk{ka}kjk n\$ frffk ij l Hkh izdkj dk l afdkr Hkkqrku fuEukuq kj fuxe ds[kkrseafdk; k tk, %

1.All monies payable by the borrower to the Corporation shall be paid on due dates of the relevant payments to the Corporation's Accounts as given below:

1 Account No. 00030350000790 of HDFC Bank K G Marg, New Delhi (IFSC code ..... HDFC0000003)

2. ih, Ql h \_\_.kdrk{ka}kjk n\$ jkf'k dk Hkkqrku b&Hkkqrku@vkjVhth, l izkkyh }kjk fd, tkusdksi kFkfedrk nsk g\$ rFkk i kkl kfgd djrk gA

2.PFC would prefer and encourage the Borrowers in remitting the dues through e-Payment/ RTGS System, For which you may like to take up with your Bankers.

3 \_\_.kdrkz i vkr-% l fuf'Pkr djafd n\$ frffk ij fuxe ds[kkrseafdk Hkkqrku dj fn; k x; k gA

3.The Borrower will fully ensure that the monies are duly credited on the due dates to the Corporations's above said Accounts.

4 \_\_.knkrk dsi {k eans l afdkr Hkkqrku rc vnk ekuk tk, xk ; fn og jkf'k n\$ frffk dksfuxe ds[kkrseatek gkstk, xhA

4.The amount due from the borrower on the due dates of the relevant payments will be construed to have been paid only if such amount is duly credited to the Corporation's said Accounts on the due date.

5 n\$ jkf'k dk Hkkqrku n\$ frffk ij u gksdsh flfkr eabl s\_\_k dh 'krkiseapdv ekuk t; sk rFkk \_\_.kdrkz pdv dh rkjh[k rd \_\_.k dh 'krkiseapdv kj n\$ Lo: i C; kt dk Hkkqrku djusdsfy; smRrjnk; h gkskA

5.In the event the amount due is not credited to the said Accounts on the due dates of the relevant payments, such non-payment will constitute a default within the terms of the loan and the borrower will be liable to pay penal interest from the date of default till the date on which the amount is duly credited to the said accounts calculated at the rate and in the manner as specified in terms of the sanction of loan.

6 di; k uk\$ djafd ih, Ql h ubz fnYyh dk GSTIN 07AAACP1570H1ZM gA

6.GSTIN of PFC New Delhi is 07AAACP1570H1ZM which may please be updated in Your records.

7 mDr ij i=kpkj rFkk vl; dksz Li "Vhdj.k fuEufyf[kr vf/kdkfj; kal si klr fd; k tk l drk gA

7.Correspondences on the above, and any clarification that may be required may be addressed to :

uke	i nuke	Oks@QDI @bl ey
i) D.V.SUBBA RAO	SENIOR GENERAL MANAGER (FINANCE)	TEL. 011-23456279, subba_rao@pfcindia.com
ii) D.V.SUBBA RAO	SENIOR GENERAL MANAGER (FINANCE)	TEL. 011-23456279, subba_rao@pfcindia.com
iii) D.V.SUBBA RAO	SENIOR GENERAL MANAGER (FINANCE)	TEL. 011-23456279, subba_rao@pfcindia.com

**\*\* This is not an Invoice**

LOAN NO	INST NO	PRINCIPAL	INTEREST	RED.	SUBSIDY	COMM.	CHARGE	Moratorium Int.	Addl. Int. due to Due_dt shifting	CGST	SGST	IGST	TOTAL (₹)
62102002	168	69,29,557	8,77,397	0	0	0	0	0	0	0	0	0	78,06,954
; kx /TOTAL		69,29,557	8,77,397	0	0	0	0	0	0	0	0	0	78,06,954

\*\* This is not an Invoice

Identified Loan

POWER FINANCE CORPORATION LIMITED  
(A Govt. of India Undertaking)  
CIN No.:L65910DL1986GOI024862  
Regd.Office:Urja Nidhi, 1,Barakhamba Lane, New Delhi-110001  
E-Mail:loanrecovery@pfcindia.com Website:www.pfcindia.com

Rep.Name:dem\_not\_hindi\_pnl\_em\_gst  
PageNo : 1 / 4

GSTIN 07AAACP1570H1ZM

Ref. No 04:06: (624):2020-2021

Dated : 11/01/2021

MR. C.D.GOGOI

CHIEF GENERAL MANAGER (F&A)  
ASSAM POWER GENERATION CORPORATION LTD.  
ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR,GUWAHATI-781 001  
ASSAM

Dear Sir/Madam,

fnukel - 16@01@2021 dksns eyw/ku] C; kt] I fcl Mh eadVks-h] ifrc) rk i Hkkj] bR; kfn dk Hkqrku 16@01@2021 rd dj

PAYMENT OF PRINCIPAL, INTEREST, REDUCTION SUB., COMMITMENT CHARGES ETC. DUE ON : 16/01/2021 TO BE PAID ON OR BEFORE 16/01/2021

fuEufyf[kr \_\_.kksdfty, fnukel 16@01@2021 dkseyw/ku] C; kt] I fcl Mh eadVks-h] ifrc) rk i Hkkj] bR; kfn dh fd'rkadk Hkqrku ns g

The instalments of Principal, Interest, Reduction Sub., Commitment Charges ect. are due for payment on or before 16/01/2021 as per details given below :

The Summary of Dues is as under:

Due for the current month	20,94,16,650
(+)Overdue of Previous demands - if any	0
(+)Interest & Penal Interest on overdue	0
<b>Total Amount to be paid</b>	<b>20,94,16,650</b>

d) di; k uk\$ djfd ns jkf'k dk Hkqrku u djusi j ] fdl h \_\_.k jokrsdks, u ih , ds: i eaoxh'ir djusdh vof| vc 90 fnu dj nh xbz gSA

a) Kindly note that, the period for classifying a loan account as NPA/Stage 3 on account of non-payment of dues has been reduced to 90 days.

[k)mi; Dr i jv jkf'k tek djkuh gksh rFkk ns I sfd, x, vFkok de fd, x, Hkqrku ij ; Fkk ykxv Lo: i C; kt rFkk C; kt ij C; kt i Hkkfjr fd; k tk, xkA vi Ekr Li "Vhdj.k] ; fn dks g]ckn esiklr fd; k tk I drk gA Hkqrku I adh vumSk rFkk x.kuk bl dsl kFk I gXu gA

x) ;g ekā i= vki dksf'k"Vkpjjo'k Hk\$tk tk jgk gā ekā I pāk dh itfir u gksk@ vl; dks/xyrh foya I shkqrku dju@Hkqrku u djudsk vf/kdkj ughansh rFkk \_\_.kdriz dks muds nlf; Ro I sfoe@r ughadjrhA

b) The above amount is to be remitted in full and penal interest/Int on Int. as applicable shall be charged for delayed and short payments. Clarifications required, if any, may be sought subsequently. Payment instructions and calculations are enclosed herewith.

c) This Demand Notice is being sent as a matter of courtesy. Non-Receipt of Demand Notice/any mistake does not give any right for late payment/non payment and will not absolve from the obligations of Borrower.

?k) ih, Qih dksHkqrku djrsle; dl;k cā-dfku ea "APGCL - 624" vādr djā

d) Kindly Indicate "APGCL - 624" in Bank Narration while making all the payments to PFC.

M) bl dsvfrfjDr] ;g Hkh fuosu g\$fd] \_\_.k&driZ 11-30 ctsl siwih, Qih [krseadM/V djuk I qur'Pkr djavkj ftl Hkh fof/k I shkqrku jkf'k tek djkbz gks ml dh I pāk QDI @bley ds}kjk Hkh nsrh

e) Further it is requested that, THE BORROWER MAY ENSURE CREDIT TO PFC's A/C BEFORE 11.30 AM. Please also inform the same by Fax /email regarding remittances.

Hky&pd/ysh nshA

Errors and Omissions are excepted.

/ku; okn A Thanking you,

Hkonh;~, Yours faithfully,

ikoj Okbus dWksu fyevā dsfy, / FOR POWER FINANCE CORPORATION LIMITED

D.V.SUBBA RAO  
SENIOR GENERAL MANAGER (FINANCE)  
LOAN RECOVERY UNIT

Copy To :

MR NAWJIT BARMAN  
ASSAM POWER GENERATION CORPORATION LTD.  
FINANCE OFFICER

ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR, GUWAHATI-781 001  
ASSAM

Hkkqrku vumSk / PAYMENT INSTRUCTIONS

1. \_\_.kdrkz/ka}kjk n\$ frffk ij l Hkh izdkj dk l afdkr Hkkqrku fuEukuq kj fuxe ds[kkrseafdk; k tk, %

1.All monies payable by the borrower to the Corporation shall be paid on due dates of the relevant payments to the Corporation's Accounts as given below:

1 Account No. 00030350000790 of HDFC Bank K G Marg, New Delhi (IFSC code ..... HDFC0000003)

2. ih, Ql h \_\_.kdrkz/ka}kjk n\$ jkf'k dk Hkkqrku b&Hkkqrku@vkjVhth, l izkkyh }kjk fd, tkusdksi kFkfedrk nsk g\$ rFkk i k&l kfgR djrk gA

2.PFC would prefer and encourage the Borrowers in remitting the dues through e-Payment/ RTGS System, For which you may like to take up with your Bankers.

3 \_\_.kdrkz i vkr-% l fuf'Pkr djafd n\$ frffk ij fuxe ds[kkrseafdk Hkkqrku dj fn; k x; k gA

3.The Borrower will fully ensure that the monies are duly credited on the due dates to the Corporations's above said Accounts.

4 \_\_.knkrk dsi {k eans l afdkr Hkkqrku rc vnk ekuk tk, xk ; fn og jkf'k n\$ frffk dksfuxe ds[kkrseatek gkstk, xhA

4.The amount due from the borrower on the due dates of the relevant payments will be construed to have been paid only if such amount is duly credited to the Corporation's said Accounts on the due date.

5 n\$ jkf'k dk Hkkqrku n\$ frffk ij u gksdsh flFkr eabl s\_\_k dh 'krkiseapdv ekuk t; sk rFkk \_\_.kdrkz pav dh rkjh[k rd \_\_.k dh 'krkiseapdv kj n&lLo: i C; kt dk Hkkqrku djusdsfy; smRrjnk; h gkskA

5.In the event the amount due is not credited to the said Accounts on the due dates of the relevant payments, such non-payment will constitute a default within the terms of the loan and the borrower will be liable to pay penal interest from the date of default till the date on which the amount is duly credited to the said accounts calculated at the rate and in the manner as specified in terms of the sanction of loan.

6 di; k uk\$ djafd ih, Ql h ubz fnYyh dk GSTIN 07AAACP1570H1ZM gA

6.GSTIN of PFC New Delhi is 07AAACP1570H1ZM which may please be updated in Your records.

7 mDr ij i=kpkj rFkk vl; dksz Li "Vhdj.k fuEufyf[kr vf/kdkfj; kal si klr fd; k tk l drk gA

7.Correspondences on the above, and any clarification that may be required may be addressed to :

uke	i nuke	Oks@QDI @bl ey
i) D.V.SUBBA RAO	SENIOR GENERAL MANAGER (FINANCE)	TEL. 011-23456279, subba_rao@pfcindia.com
ii) D.V.SUBBA RAO	SENIOR GENERAL MANAGER (FINANCE)	TEL. 011-23456279, subba_rao@pfcindia.com
iii) D.V.SUBBA RAO	SENIOR GENERAL MANAGER (FINANCE)	TEL. 011-23456279, subba_rao@pfcindia.com

**\*\* This is not an Invoice**

LOAN NO	INST NO	PRINCIPAL	INTEREST	RED.	SUBSIDY	COMM.	CHARGE	Moratorium Int.	Addl. Int. due to Due_dt shifting	CGST	SGST	IGST	TOTAL (₹)
62102002	169	69,29,556	9,43,930					0	0	0	0	0	78,73,486
62401001	51	3,03,25,984	1,06,96,695					0	0	0	0	0	4,10,22,679
62401003	10	6,05,93,102	9,55,42,557					0	0	0	0	0	15,61,35,659
62404001	48	30,47,387	13,37,439					0	0	0	0	0	43,84,826
;kx /TOTAL		10,08,96,029	10,85,20,621					0	0	0	0	0	20,94,16,650

\*\* This is not an Invoice

POWER FINANCE CORPORATION LIMITED  
 (A Govt. of India Undertaking)  
 CIN No.:L65910DL1986GOI024862  
 Regd.Office:Urja Nidhi, 1,Barakhamba Lane, New Delhi-110001  
 Qks%/Phone: 23456000, QDI % FAX:(11)23456292  
 E-Mail:loanrecovery@pfcindia.com Website:www.pfcindia.com

GSTIN 07AAACP1570H1ZM

f nukel / Dated : 10/02/2021

Ref. No 04:06: (624):2020-2021

MR. C.D.GOGOI

CHIEF GENERAL MANAGER (F&A)

ASSAM POWER GENERATION CORPORATION LTD.  
 ASSAM POWER GENERATION CORPORATION LIMITED,  
 3RD FLOOR, BIJULEE BHAVAN,  
 PALTAN BAZAR,GUWAHATI-781 001  
 ASSAM

Dear Sir/Madam,

f nukel - 15@02@2021 dksns eyw/ku] C; kt] I fcl Mh eadVks-h] i frc) rk i Hkkj] bR; kfn dk Hkqrku 15@02@2021 rd dj

PAYMENT OF PRINCIPAL, INTEREST, REDUCTION SUB., COMMITMENT CHARGES ETC. DUE ON : 15/02/2021 TO BE PAID ON OR BEFORE 15/02/2021

fuEufyf[kr \_\_.kksdscy, f nukel 15@02@2021 dkseyw/ku] C; kt] I fcl Mh eadVks-h] i frc) rk i Hkkj] bR; kfn dh fd'rkadk Hkqrku ns g

The instalments of Principal, Interest, Reduction Sub., Commitment Charges ect. are due for payment on or before 15/02/2021 as per details given below :

The Summary of Dues is as under:

Due for the current month	77,59,357
(+)Overdue of Previous demands - if any	0
(+)Interest & Penal Interest on overdue	0
<b>Total Amount to be paid</b>	<b>77,59,357</b>

d) di; k uk\$ djsfd ns jkf'k dk Hkqrku u djustij ] fdl h \_\_.k jokrsdks,u ih , ds: i eaoxh'ir djusdh vof| vc 90 fnu dj nh xbz gSA

a) Kindly note that, the period for classifying a loan account as NPA/Stage 3 on account of non-payment of dues has been reduced to 90 days.

[k) mi; Dr i jv jkf'k tek djkuh gksh rFkk ns I sfd, x, vFkok de fd, x, Hkqrku ij ; Fkk ykxv Lo: i C; kt rFkk C; kt ij C; kt i Hkkfjr fd; k tk, xkA vi Ekr Li "Vhdj.k] ; fn dks g]ckn esiklr fd; k tk I drk gA Hkqrku I adh vumSk rFkk x.kuk bl dsl kFk I gXu gA



x) ;g ekā i= vki dksf'k"Vkpjko'k Hksk tk jgk gā ekā l pāk dh i kfr u gksk@ vl; dksz xyrh foya l shkxrk dju@Hkxrk u djustk vf/kdkj ughansh rFkk \_\_.kdrkz dks muds nlf; Ro l sfoePr ughadjrhA

b) The above amount is to be remitted in full and penal interest/Int on Int. as applicable shall be charged for delayed and short payments. Clarifications required, if any, may be sought subsequently. Payment instructions and calculations are enclosed herewith.

c) This Demand Notice is being sent as a matter of courtesy. Non-Receipt of Demand Notice/any mistake does not give any right for late payment/non payment and will not absolve from the obligations of Borrower.

?k) ih, Qih dksHkxrk djrs l e; dl; k cā-dfku ea "APGCL - 624" vādr djā

d) Kindly Indicate "APGCL - 624" in Bank Narration while making all the payments to PFC.

M) bl dsvfrfjDr] ;g Hkh fuosu gSfd] \_\_.k&drrkz 11-30 ctsl siwih, Qih [kkrse dS/V djuk l fuf'Pkr djavk ftl Hkh fof/k l shkxrk jk'k tek djkbz gk's ml dh l pāk QDI @bley ds}kjk Hkh nshA

e) Further it is requested that, THE BORROWER MAY ENSURE CREDIT TO PFC'S A/C BEFORE 11.30 AM. Please also inform the same by Fax /email regarding remittances.

Hky&pd/ysh nshA

Errors and Omissions are excepted.

/kl; okn A Thanking you,

Hkonh;~, Yours faithfully,

ikoj Okbus dWksu fyevā dsy, / FOR POWER FINANCE CORPORATION LIMITED

D.V.SUBBA RAO  
SENIOR GENERAL MANAGER (FINANCE)  
LOAN RECOVERY UNIT

Copy To :

MR NAWJIT BARMAN  
ASSAM POWER GENERATION CORPORATION LTD.  
FINANCE OFFICER

ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR, GUWAHATI-781 001  
ASSAM

Hkkqrku vumSk / PAYMENT INSTRUCTIONS

1. \_\_.kdrk{ka}kjk n\$ frffk ij l Hkh izdkj dk l afdkr Hkkqrku fuEukuq kj fuxe ds[kkrseafdk; k tk, %

1.All monies payable by the borrower to the Corporation shall be paid on due dates of the relevant payments to the Corporation's Accounts as given below:

1 Account No. 00030350000790 of HDFC Bank K G Marg, New Delhi (IFSC code ..... HDFC0000003)

2. ih, Ql h \_\_.kdrk{ka}kjk n\$ jkf'k dk Hkkqrku b&Hkkqrku@vkjVhth, l izkkyh }kjk fd, tkusdksi kFkfedrk nsk gS rFkk i kkl kfgR djrk gA

2.PFC would prefer and encourage the Borrowers in remitting the dues through e-Payment/ RTGS System, For which you may like to take up with your Bankers.

3 \_\_.kdrkz i vkr-% l fuf'Pkr djafd n\$ frffk ij fuxe ds[kkrseafdk Hkkqrku dj fn; k x; k gA

3.The Borrower will fully ensure that the monies are duly credited on the due dates to the Corporations's above said Accounts.

4 \_\_.knkrk dsi {k eans l afdkr Hkkqrku rc vnk ekuk tk, xk ; fn og jkf'k n\$ frffk dksfuxe ds[kkrseatek gkstk, xhA

4.The amount due from the borrower on the due dates of the relevant payments will be construed to have been paid only if such amount is duly credited to the Corporation's said Accounts on the due date.

5 n\$ jkf'k dk Hkkqrku n\$ frffk ij u gkasdh l fkr eabl s\_\_k dh 'kriksapav ekuk t; sk rFkk \_\_.kdrkz pav dh rkjh[k rd \_\_.k dh 'kriksdsvud kj nA Lo: i C; kt dk Hkkqrku djusdsfy; smRrjnk; h gkzka

5.In the event the amount due is not credited to the said Accounts on the due dates of the relevant payments, such non-payment will constitute a default within the terms of the loan and the borrower will be liable to pay penal interest from the date of default till the date on which the amount is duly credited to the said accounts calculated at the rate and in the manner as specified in terms of the sanction of loan.

6 di; k ukS djafd ih, Ql h ubz fnYyh dk GSTIN 07AAACP1570H1ZM gA

6.GSTIN of PFC New Delhi is 07AAACP1570H1ZM which may please be updated in Your records.

7 mDr ij i=kpkj rFkk vU; dksz Li "Vhdj.k fuEufyf[kr vf/kdkfj; kal si klr fd; k tk l drk gA

7.Correspondences on the above, and any clarification that may be required may be addressed to :

	uke	inuke	Oks@QDI @bl ey
i)	D.V.SUBBA RAO	SENIOR GENERAL MANAGER (FINANCE)	TEL. 011-23456279, subba_rao@pfcindia.com
ii)	D.V.SUBBA RAO	SENIOR GENERAL MANAGER (FINANCE)	TEL. 011-23456279, subba_rao@pfcindia.com
iii)	D.V.SUBBA RAO	SENIOR GENERAL MANAGER (FINANCE)	TEL. 011-23456279, subba_rao@pfcindia.com

**\*\* This is not an Invoice**

LOAN NO	INST NO	PRINCIPAL	INTEREST	RED.	SUBSIDY	COMM.	CHARGE	Moratorium Int.	Addl. Int. due to Due_dt shifting	CGST	SGST	IGST	TOTAL (₹)
62102002	170	69,29,556	8,29,801	0	0	0	0	0	0	0	0	0	77,59,357
; kx /TOTAL :		69,29,556	8,29,801	0	0	0	0	0	0	0	0	0	77,59,357

\*\* This is not an Invoice

Identified Loan

POWER FINANCE CORPORATION LIMITED  
(A Govt. of India Undertaking)  
CIN No.:L65910DL1986GOI024862  
Regd.Office:Urja Nidhi, 1,Barakhamba Lane, New Delhi-110001  
E-Mail:loanrecovery@pfcindia.com Website:www.pfcindia.com

Rep.Name:dem\_not\_hindi\_pnl\_em\_gst  
PageNo : 1 / 4

GSTIN 07AAACP1570H1ZM

Dated : 13/03/2021

Ref. No 04:06: (624):2020-2021

MR. C.D.GOGOI

CHIEF GENERAL MANAGER (F&A)

ASSAM POWER GENERATION CORPORATION LTD.  
ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR,GUWAHATI-781 001  
ASSAM

Dear Sir/Madam,

fnukel - 15@03@2021 dksns eyw/ku] C; kt] I fcl Mh eadVks-h] ifrc) rk i Hkkj] bR; kfn dk Hkqrku 15@03@2021 rd dj

PAYMENT OF PRINCIPAL, INTEREST, REDUCTION SUB., COMMITMENT CHARGES ETC. DUE ON : 15/03/2021 TO BE PAID ON OR BEFORE 15/03/2021

fuEufyf[kr \_\_.kksdfty, fnukel 15@03@2021 dkseyw/ku] C; kt] I fcl Mh eadVks-h] ifrc) rk i Hkkj] bR; kfn dh fd'rkadk Hkqrku ns g

The instalments of Principal, Interest, Reduction Sub., Commitment Charges ect. are due for payment on or before 15/03/2021 as per details given below :

The Summary of Dues is as under:

Due for the current month	76,52,582
(+)Overdue of Previous demands - if any	0
(+)Interest & Penal Interest on overdue	0
<b>Total Amount to be paid</b>	<b>76,52,582</b>

d) di; k uk\$ djsfd ns jkf'k dk Hkqrku u djustij ] fdl h \_\_.k jokrsdks, u ih , ds: i eaoxhdr djusdh vof| vc 90 fnu dj nh xbz gSA

a) Kindly note that, the period for classifying a loan account as NPA/Stage 3 on account of non-payment of dues has been reduced to 90 days.

[k)mi; Dr i jv jkf'k tek djkuh gksh rFkk ns I sfd, x, vFkok de fd, x, Hkqrku ij ; Fkk ykxv Lo: i C; kt rFkk C; kt ij C; kt i Hkkfjr fd; k tk, xkA vi Ekr Li "Vhdj.k] ; fn dks g]ckn esiklr fd; k tk I drk gA Hkqrku I adh vumSk rFkk x.kuk bl dsl kFk I gXu gA

x) ;g ekā i= vki dksf'k"Vkpjjo'k Hksk tk jgk gā ekā l pāk dh i kfr u gksk@ vl; dksz xyrh foya l shkxrk dju@shkxrk u djustk vf/kdkj ughansh rFkk \_\_.kdrkz dks muds nlf; Ro l sfoepr ughadjrhA

b) The above amount is to be remitted in full and penal interest/Int on Int. as applicable shall be charged for delayed and short payments. Clarifications required, if any, may be sought subsequently. Payment instructions and calculations are enclosed herewith.

c) This Demand Notice is being sent as a matter of courtesy. Non-Receipt of Demand Notice/any mistake does not give any right for late payment/non payment and will not absolve from the obligations of Borrower.

?k) ih, Qih dks shkxrk djrs l e; dl; k cā-dfku ea "APGCL - 624" vādr djā

d) Kindly Indicate "APGCL - 624" in Bank Narration while making all the payments to PFC.

M) bl ds vfrfjDr] ;g Hkh fuosu gSfd] \_\_.k&drrkz 11-30 ctsl si vā ih, Qih [kkrse dS/V djuk l fuf'Pkr djavk] ftl Hkh fof/k l shkxrk jk'k tek djkbz gk] ml dh l pāk QDI @bley ds}kjk Hkh nshA

e) Further it is requested that, THE BORROWER MAY ENSURE CREDIT TO PFC'S A/C BEFORE 11.30 AM. Please also inform the same by Fax /email regarding remittances.

Hky&pd/ ysh nshA

Errors and Omissions are excepted.

/ku; okn A Thanking you,

Hkonh; -, Yours faithfully,

ikoj Okbus dkk] s ku fyevā dsfy, / FOR POWER FINANCE CORPORATION LIMITED

D.V.SUBBA RAO  
SENIOR GENERAL MANAGER (FINANCE)  
LOAN RECOVERY UNIT

Copy To :

MR NAWJIT BARMAN  
ASSAM POWER GENERATION CORPORATION LTD.  
FINANCE OFFICER

ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR, GUWAHATI-781 001  
ASSAM

Hkkqrku vumSk / PAYMENT INSTRUCTIONS

1. \_\_.kdrk{ka}kjk n\$ frffk ij l Hkh izdkj dk l afdkr Hkkqrku fuEukuq kj fuxe ds[kkrseafdk; k tk, %

1.All monies payable by the borrower to the Corporation shall be paid on due dates of the relevant payments to the Corporation's Accounts as given below:

1 Account No. 00030350000790 of HDFC Bank K G Marg, New Delhi (IFSC code ..... HDFC0000003)

2. ih, Ql h \_\_.kdrk{ka}kjk n\$ jkf'k dk Hkkqrku b&Hkkqrku@vkjVhth, l izkkyh }kjk fd, tkusdksi kFkfedrk nsk gS rFkk i kkl kfgR djrk gA

2.PFC would prefer and encourage the Borrowers in remitting the dues through e-Payment/ RTGS System, For which you may like to take up with your Bankers.

3 \_\_.kdrkz i vkr-% l fuf'Pkr djafd n\$ frffk ij fuxe ds[kkrseafdk Hkkqrku dj fn; k x; k gA

3.The Borrower will fully ensure that the monies are duly credited on the due dates to the Corporations's above said Accounts.

4 \_\_.knkrk dsi {k eans l afdkr Hkkqrku rc vnk ekuk tk, xk ; fn og jkf'k n\$ frffk dksfuxe ds[kkrseatek gkstk, xhA

4.The amount due from the borrower on the due dates of the relevant payments will be construed to have been paid only if such amount is duly credited to the Corporation's said Accounts on the due date.

5 n\$ jkf'k dk Hkkqrku n\$ frffk ij u gkasdh l fkr eabl s\_\_k dh 'kriksapav ekuk t; sk rFkk \_\_.kdrkz pav dh rkjh[k rd \_\_.k dh 'kriksdsvud kj nA Lo: i C; kt dk Hkkqrku djusdsfy; smRrjnk; h gkzka

5.In the event the amount due is not credited to the said Accounts on the due dates of the relevant payments, such non-payment will constitute a default within the terms of the loan and the borrower will be liable to pay penal interest from the date of default till the date on which the amount is duly credited to the said accounts calculated at the rate and in the manner as specified in terms of the sanction of loan.

6 di; k ukS djafd ih, Ql h ubz fnYyh dk GSTIN 07AAACP1570H1ZM gA

6.GSTIN of PFC New Delhi is 07AAACP1570H1ZM which may please be updated in Your records.

7 mDr ij i=kpkj rFkk vU; dksz Li "Vhdj.k fuEufyf[kr vf/kdkfj; kal si klr fd; k tk l drk gA

7.Correspondences on the above, and any clarification that may be required may be addressed to :

uke	i nuke	Oks@QDI @bl ey
i) D.V.SUBBA RAO	SENIOR GENERAL MANAGER (FINANCE)	TEL. 011-23456279, subba_rao@pfcindia.com
ii) D.V.SUBBA RAO	SENIOR GENERAL MANAGER (FINANCE)	TEL. 011-23456279, subba_rao@pfcindia.com
iii) D.V.SUBBA RAO	SENIOR GENERAL MANAGER (FINANCE)	TEL. 011-23456279, subba_rao@pfcindia.com

**\*\* This is not an Invoice**

__k l a	fd'r l a	ey/ku	C; kt	I fcl Mh esdVh	ifrc) rk i Hkj	Moratorium	Addl. Int.	th, l Vh dj				; kx
LOAN NO	INST NO	PRINCIPAL	INTEREST	RED.	SUBSIDY	COMM.	CHARGE Int.	due to Due_dt	CGST	SGST	IGST	TOTAL (')
								shifting				
62102002	171	69,29,556	7,23,026		0	0	0	0	0	0	0	76,52,582
<b>; kx /TOTAL :</b>		69,29,556	7,23,026		0	0	0	0	0	0	0	76,52,582

\*\* This is not an Invoice

**Annexure No. 7 – GOA Loan details for FY  
2020-21 and FY 2021-22**



(175)

**GOVERNMENT OF ASSAM  
FINANCE (BUDGET) DEPARTMENT  
DISPUR**

NO.BW.22/89/175

Dated Dispur the 27th March, 2006.

**OFFICE MEMORANDUM**

Sub : Loans and advance by State Government- interest rates and other terms and conditions.

The undersigned is directed to invite a reference this Department's O.M. No.BW.22/89/137 dtd. 22.05. 2003 and to say that the Governor of Assam is pleased to order that the following rates of interest shall be charged on various kind of loans and advances sanctioned by this State Government with effect from 1<sup>st</sup> April, 2004 to 31<sup>st</sup> March, 2005 and from 1<sup>st</sup> April, 2005 to 31<sup>st</sup> March, 2006 and until further orders. The rates of interest and other terms and conditions applicable are indicated below:-


	Nature of loan	Rates of interest	
		2004-05 w.e.f. (1.4.04 to 31.3.05)	2005-06 w.e.f. (1.4.05 to 31.3.06)
1.	Loan under Agricultural Loan Act Land Improvement Act and other types of loans to Agriculture and loan under development of live stock Industries	10%	10%
2.	Loans to Local Bodies	11.5%	11.5%
3.	Loans to Co-Operative Societies	11.5%	11.5%
4.	Loans to Land Mortgage Bank and other Cooperative Banks	11.5%	11.5%
5.	Education Loan	11.5%	11.5%
6.	Loans to Cottage Industries	11.5%	11.5%
7.	Loans to Assam State Electricity Board	10%	10%
8.	Loans to Housing Board		
	(a) Loans for relenting by Board to low income group	11.5%	11.5%
	(b) Other Housing Scheme	11.5%	11.5%
9.	Loans to Financial Institution for Construction of Buildings	11.5%	11.5%
10.	Loans to Financial Institution in Public Sector	11.5%	11.5%
11.	Industrial loan to Medium and large scale Industries, Loans to Industrial & Commercial undertakings in Public Sector having equity capital not exceeding Rs.1.00 crore	12.5%	11.5%
12.	Industrial and Commercial undertaking in Public Sector having equity capital exceeding Rs.1.00 crore		
	(a) For loans other than working capital in cash deficit	12.5%	11.5%
	(b) For working capital loan loans for meeting cash deficit	15.5%	14.5%
13.	Industrial & Commercial undertaking in Public Sector	15.5%	14.5%

Contd/-2

D/C

While issuing loans to different Corporation/ Bodies etc. following terms and conditions should be strictly adhered to:-

1. In case of loans given by the Government of India, Financial Institutions i.e. Reserve Bank of India, Nationalised Bank, Life Insurance Corporation of India, National Co-operative Development Corporation (NCDC) National Bank of Agricultural and Rural Development etc. to the State government for specific purpose or scheme for relenting by the State Government for same purpose the rate of interest on such loan shall be charged 1/2% (half percent) above the rate charged by the Government of India on the sponsoring financial institutions lending the loan to the State Government.
2. The interest rate prescribed above assumes timely repayment and interest payments and hence no further rebate in rates is to be allowed for timely repayments.
3. No loan should be granted for a period of exceeding 10 years. If any longer period for repayment is sought, prior concurrence of Finance Department should be obtained.
4. The recovery should ordinarily be affected in annual equal instalment of principal and interest, No moratorium should be allowed in respect of interest payment on loan.
5. The loan sanctions/ agreements should invariably include a penalty clause providing for levy a higher rate of interest in the event of default the repayment of installments of principal or interest. The higher penal rate of interest should not be less than 2.75% (two and three fourth) above the normal rate of interest at which the loan is sanctioned.
6. In the event of a default, the recovery of interest at penal rate may not be waived unless there are special reasons justifying a waiver.
7. Whenever a fresh loan is to be sanctioned/ granted to a borrower who has earlier defaulted, the loan sanctioning authority must consider the question of recovery of defaulted dues.
8. The repayment schedule indicating all terms and conditions should be drawn up to by the concerned controlling branches of Finance at the time of concurring the proposal.

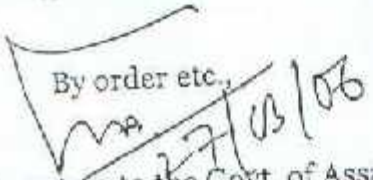
  
 Deputy Secretary to the Govt. of Assam,  
 Finance (Budget) Department,

Dated Dispur the 27th March, 2006.

Memo NO. BW. 22/89/175-A

Copy forwarded for information and necessary action to :-

1. The Accountant General, Assam (E&E), Guwahati-28.
2. The Accountant General, Assam (Audit), Guwahati-28.
3. All Commissioners of Divisions.
4. All Commissioner & Secretary to the Govt. of Assam.
5. All Administrative Department.
6. All Head of Department.
7. All Deputy Commissioners/ Sub-Divisional Officers.
8. All Finance Advisers/ Treasury Officers/ Sub-Treasury Officers.
9. All Branches of Finance Department.

By order etc.  
  
 Deputy Secretary to the Govt. of Assam,  
 Finance (Budget) Department.

**Annexure No. 8 – SLDC certificate for FY 2021-  
22**



**TO WHOM IT MAY CONCERN**

This is to certify that the plant wise Gross Generation, Import, Export, Auxiliary Consumption and Plant Availability Factor of LTPS, LRPP, NTPS, NRPP and KLHEP of APGCL for the period from April'21 to September'21 are as stated below:

**APGCL GENERATION DATA FOR THE FY 2021-22  
FOR LTPS, LRPP, NTPS, NRPP and KLHEP  
(Gross Gen., Export, Import, Auxiliary Consumption and Plant Availability Factor)**

STATION	CAPACITY (MW)	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	TOTAL
<b>LTPS+LRPP Import &amp; Export</b>								
Energy Imported (MU)		0.691	1.246	2.175	4.814	4.826	6.149	19.901
Energy Exported (MU)		76.041	69.224	77.953	72.636	71.949	78.844	446.648
Actual Energy Sent Out (MU)		75.350	67.466	75.565	67.598	67.123	72.696	425.798
<b>LTPS</b>								
LTPS Actual Gross (MU)	97.2	36.351	26.206	34.491	29.653	25.179	33.734	185.614
LTPS Pro-rata Energy Sent out (MU)		33.436	23.598	31.225	26.497	22.752	30.618	168.126
Total Aux. Cons. (MU)		2.915	2.608	3.266	3.156	2.426	3.116	17.487
LTPS Avg. Declared Capacity(MW)		57.43	47.78	47.52	44.70	35.57	49.210	46.964
Plant Availability LTPS(%)		62.52%	52.02%	51.73%	48.66%	38.72%	53.57%	51.13%
<b>LRPP</b>								
LRPP Actual Gross (MU)	69.755	42.374	44.762	44.787	42.179	45.044	42.878	262.023
LRPP Pro-rata Energy Sent out (MU)		41.915	43.868	44.339	41.102	44.117	41.959	257.300
Total Aux. Cons. (MU)		0.459	0.894	0.447	1.078	0.927	0.918	4.724
LRPP Avg. Declared Capacity(MW)		64.28	62.63	60.90	56.71	56.45	64.46	60.87
Plant Availability LRPP(%)		95.49%	93.04%	90.47%	84.25%	83.86%	95.76%	90.42%
<b>NTPS</b>								
NTPS Actual Gross (MU)	64.5	18.125	19.818	11.079	8.022	12.596	16.811	86.451
NTPS Energy Imported (MU)		0.544	0.938	2.273	2.613	1.722	1.700	9.789
NTPS Energy Exported (MU)		17.717	19.910	12.668	10.088	13.602	17.487	91.472
NTPS Energy Sent out (MU)		17.177	18.972	10.395	7.475	11.880	15.787	81.687
Total Aux. Cons. (MU)		0.952	0.846	0.684	0.547	0.716	1.024	4.768
NTPS Avg. Declared Capacity(MW)		25.59	28.07	18.64	14.08	18.90	22.39	21.26
Plant Availability NTPS(%)		54.03%	59.26%	39.35%	29.73%	39.90%	47.27%	44.89%
<b>NRPP</b>								
NRPP Actual Gross (MU)	98.4				35.552	48.511	30.939	115.002
NRPP Energy Imported (MU)					0.087	2.079	10.640	12.806
NRPP Energy Exported (MU)					34.035	49.083	39.769	122.887
NRPP Energy Sent out (MU)					33.948	46.163	29.129	109.240
Total Aux. Cons. (MU)					1.604	2.419	1.810	5.833
NRPP Avg. Declared Capacity(MW)					89.07	62.32	47.31	62.03
Plant Availability NRPP(%)					95.28%	66.67%	50.61%	66.36%
<b>KLHEP</b>								
KLHEP Actual Gross (MU)	100	13.286	31.453	33.123	54.501	67.883	61.810	262.056
KLHEP Energy Sent out (MU)		13.220	31.296	32.957	54.228	67.544	61.501	260.746
KLHEP Energy Imported (MU)								
KLHEP Energy Exported (MU)		13.220	31.296	32.957	54.228	67.544	61.501	260.746
Total Aux. Cons. (MU)		0.066	0.157	0.166	0.273	0.339	0.309	1.310
KLHEP Avg. Declared Capacity (MW)		71.33	100.00	100.00	96.13	100.00	100.00	94.64
Plant Availability KLHEP(%)		71.69%	100.50%	100.50%	96.61%	100.5%	100.5%	95.12%



## Assam Electricity Grid Corporation Limited

Registered Office: 1<sup>st</sup> Floor, Bijulee Bhawan, Paltanbazar, Guwahati-781 001

CIN: U40101AS2003SGC007238

Phone-036 1-2739520 / Fax-0361 -2739513 Web: www.aegcl.co.in

**Note:** For LTPS and LRPP the Export and Import are shown commonly as both the power stations are exporting and importing power through the common Switchyard. The Sent out energy has been derived on pro-rata basis as already submitted to the SLDC in the monthly Sent out Energy statements.

Date:

The gross generation, export, Import Auxiliary consumption & Plant availability as submitted by LTPS, LRPP, NTPS, NRPP & KLHEP are found to be correct.

Chief General Manager, SLDC  
AEGCL, Kahilipara, Guwahati-19

Chief General Manager, SLDC  
AEGCL, Kahilipara, Guwahati-19

24/11/2021  
Assistant Manager, SLDC  
AEGCL, Kahilipara, Ghy-19



**TO WHOM IT MAY CONCERN**

This is to certify that the Gross Generation of NTPS and LTPS in open cycle and combined cycle mode for FY 2020-21 and FY 2021-22 (Up to September'2021) are as stated below:

**APGCL GENERATION DATA FOR THE FY 2020-21 & FY 2021-22 (Till Sep'2021)**  
**Gross Generation of NTPS & LTPS in OPEN CYCLE and COMBINED CYCLE MODE**

Open cycle and Combined cycle generation of NTPS for the FY 2020-21 :

NTPS		Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	TOTAL
NTPS Open Cycle Generation	MU	16.5	8.9	16.9	11.3	9.6	11.0	17.1	15.8	20.1	20.921	18.324	19.873	186.318
NTPS Closed Generation	MU	3.9	1.7	1.3	3.1	2.4	2.2	4.8	3.1	5.5	5.781	5.279	5.627	44.687
NTPS Total Generation	MU	20.4	10.7	18.2	14.4	12.1	13.3	21.8	18.9	25.6	26.7	23.6	25.5	231.079

Open cycle and Combined cycle generation of LTPS for the FY 2020-21 :

LTPS		Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	TOTAL
LTPS Open Cycle Generation	MU	13.7	19.6	23.2	26.7	18.6	22.4	28.1	24.3	27.9	35.469	30.803	34.054	304.792
LTPS Closed Generation	MU	6.0	9.1	11.3	13.5	8.6	10.9	14.3	12.5	11.8	17.285	13.525	13.943	142.781
LTPS Total Generation	MU	19.7	28.7	34.5	40.2	27.2	33.3	42.4	36.8	39.7	52.8	44.3	48.0	447.573

Open cycle and Combined cycle generation of NTPS for the FY 2021-22 :

NTPS		Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	TOTAL
NTPS Open Cycle Generation	MU	14.715	17.349	10.703	8.022	11.465	14.310	76.564
NTPS Closed Generation	MU	3.410	2.469	0.376	0.000	1.131	2.507	9.893
NTPS Total Generation	MU	18.125	19.818	11.079	8.022	12.596	16.817	86.457

Open cycle and Combined cycle generation of LTPS for the FY 2021-22 :

LTPS		Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	TOTAL
LTPS Open Cycle Generation	MU	25.650	18.290	24.103	20.604	21.694	22.610	132.951
LTPS Closed Cycle Generation	MU	10.701	7.916	10.388	9.049	3.485	11.124	52.663
LTPS Total Generation	MU	36.351	26.206	34.491	29.653	25.179	33.734	185.614

Date:

*The gross generation as submitted by NTPS & LTPS are found to be correct.*

*11/11/2021*  
 Assistant Manager, SLDC  
 AEGCL, Kahilipara, Ghy-19

*[Signature]*  
 Chief General Manager, SLDC  
 AEGCL, Kahilipara, Guwahati-19  
 AEGCL, Kahilipara, Guwahati-19  
 AEGCL, Kahilipara, Guwahati-19

**Annexure No. 9 – PFC Loan details for FY 2021-  
22**

Identified Loan

POWER FINANCE CORPORATION LIMITED  
(A Govt. of India Undertaking)  
CIN No.:L65910DL1986GOI024862  
Regd.Office:Urja Nidhi, 1,Barakhamba Lane, New Delhi-110001  
E-Mail:loanrecovery@pfcindia.com Website:www.pfcindia.com

Rep.Name:dem\_not\_hindi\_pnl\_em\_gst  
PageNo : 1 / 4

GSTIN 07AAACP1570H1ZM

Dated : 09/04/2021

Ref. No 04:06: (624):2021-2022

MR. C.D.GOGOI

CHIEF GENERAL MANAGER (F&A)

ASSAM POWER GENERATION CORPORATION LTD.  
ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR,GUWAHATI-781 001  
ASSAM

Dear Sir/Madam,

fnukal - 15@04@2021 dksns eyw/ku] C; kt] I fcl Mh eadVks'h] ifrc) rk i Hkkj] bR; kfn dk Hkqrku 15@04@2021 rd djs

PAYMENT OF PRINCIPAL, INTEREST, REDUCTION SUB., COMMITMENT CHARGES ETC. DUE ON : 15/04/2021 TO BE PAID ON OR BEFORE 15/04/2021

fuEufyf[kr \_\_.kksd'fy, fnukal 15@04@2021 dkseyw/ku] C; kt] I fcl Mh eadVks'h] ifrc) rk i Hkkj] bR; kfn dh fd'rkadk Hkqrku ns gS

The instalments of Principal, Interest, Reduction Sub., Commitment Charges ect. are due for payment on or before 15/04/2021 as per details given below :

**The Summary of Dues is as under:**

Due for the current month	20,15,02,002
(+)Overdue of Previous demands - if any	0
(+)Interest & Penal Interest on overdue	0
<b>Total Amount to be paid</b>	<b>20,15,02,002</b>

50 djsM : i ; svlj ml l svf|d dsfdl h Hkh Hkqrku dsfy, ih, Ql h , ybZ/kbZ 3358003Q6D9LIJZ1614 bkr djs  
Quote PFC LEI 3358003Q6D9LIJZ1614 for any payment of Rs.50 cr and above.

d)di ; k ukS djsfd ns jkf'k dk Hkqrku u djustij ] fdl h \_\_.k jokrsdks, u ih , ds: i esoxh'dr djusdh vof| vc 90 fnu dj nh xbZ gSA

a) Kindly note that, the period for classifying a loan account as NPA/Stage 3 on account of non-payment of dues has been reduced to 90 days.

[k)mi ; Dr i jv jkf'k tek djkuh gks'h rFkk ns l sfd, x, vFkok de fd, x, Hkqrku ij ; Fkk ykxvdaLo: i C; kt rFkk C; kt ij C; kt i Hkkfjr fd; k tk, xkA vi Ekr Li "Vhdj.k] ; fn dksZ gJckn esiklr fd; k tk l drk gA Hkqrku l adh vumSk rFkk x.kuk bl dsl kFk l gXu gA



x) ;g ekā i= vki dksf'k"Vkpjko'k Hksk tk jgk gā ekā l pāk dh i kfr u gksk@ vl; dksz xyrh foya l shkxrk dju@Hkxrk u djustk vf/kdkj ughansh rFkk \_\_.kdrkz dks muds nlf; Ro l sfoePr ughadjrhA

b) The above amount is to be remitted in full and penal interest/Int on Int. as applicable shall be charged for delayed and short payments. Clarifications required, if any, may be sought subsequently. Payment instructions and calculations are enclosed herewith.

c) This Demand Notice is being sent as a matter of courtesy. Non-Receipt of Demand Notice/any mistake does not give any right for late payment/non payment and will not absolve from the obligations of Borrower.

?k) ih, Qih dksHkxrk djrs l e; dl; k cā-dfku ea "APGCL - 624" vādr djā

d) Kindly Indicate "APGCL - 624" in Bank Narration while making all the payments to PFC.

M) bl dsvfrfjDr] ;g Hkh fuosu gSfd] \_\_.k&drrkz 11-30 ctsl siwih, Qih [kkrse dS/V djuk l fuf'Pkr djavk ftl Hkh fof/k l shkxrk jk'k tek djkbz gk's ml dh l pāk QDI @bley ds}kjk Hkh nsnā

e) Further it is requested that, THE BORROWER MAY ENSURE CREDIT TO PFC'S A/C BEFORE 11.30 AM. Please also inform the same by Fax /email regarding remittances.

Hky&pd/ysh nshA

Errors and Omissions are excepted.

/kl; okn A Thanking you,

Hkonh;~, Yours faithfully,

ikoj Okbus dWksu fyevā dsfy, / FOR POWER FINANCE CORPORATION LIMITED

D.V.SUBBA RAO  
SENIOR GENERAL MANAGER (FINANCE)  
LOAN RECOVERY UNIT

Copy To :

MR NAWJIT BARMAN  
ASSAM POWER GENERATION CORPORATION LTD.  
FINANCE OFFICER

ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR, GUWAHATI-781 001  
ASSAM

Hkkqrku vumSk / PAYMENT INSTRUCTIONS

1. \_\_.kdrk{ka}kjk n\$ frffk ij l Hkh izdkj dk l afdkr Hkkqrku fuEukuq kj fuxe ds[kkrseafdk; k tk, %

1.All monies payable by the borrower to the Corporation shall be paid on due dates of the relevant payments to the Corporation's Accounts as given below:

1 Account No. 00030350000790 of HDFC Bank K G Marg, New Delhi (IFSC code ..... HDFC0000003)

2. ih, Ql h \_\_.kdrk{ka}kjk n\$ jkf'k dk Hkkqrku b&Hkkqrku@vkjVhth, l izkkyh }kjk fd, tkusdksi kFkfedrk nsk gS rFkk i kkl kfgR djrk gA

2.PFC would prefer and encourage the Borrowers in remitting the dues through e-Payment/ RTGS System, For which you may like to take up with your Bankers.

3 \_\_.kdrkz i vkr-% l fuf'Pkr djafdk n\$ frffk ij fuxe ds[kkrseafdk Hkkqrku dj fn; k x; k gA

3.The Borrower will fully ensure that the monies are duly credited on the due dates to the Corporations's above said Accounts.

4 \_\_.knkrk dsi {k eans l afdkr Hkkqrku rc vnk ekuk tk, xk ; fn og jkf'k n\$ frffk dks fuxe ds[kkrseatek gkstk, xhA

4.The amount due from the borrower on the due dates of the relevant payments will be construed to have been paid only if such amount is duly credited to the Corporation's said Accounts on the due date.

5 n\$ jkf'k dk Hkkqrku n\$ frffk ij u gkdsdh l fkr eabl s\_\_k dh 'kriksapdv ekuk t; sk rFkk \_\_.kdrkz pav dh rkjh[k rd \_\_.k dh 'kriksdsvud kj nhl Lo: i C; kt dk Hkkqrku djusdsfy; smRrjnk; h gkzka

5.In the event the amount due is not credited to the said Accounts on the due dates of the relevant payments, such non-payment will constitute a default within the terms of the loan and the borrower will be liable to pay penal interest from the date of default till the date on which the amount is duly credited to the said accounts calculated at the rate and in the manner as specified in terms of the sanction of loan.

6 di; k ukS djafdk ih, Ql h ubz fnYyh dk GSTIN 07AAACP1570H1ZM gA

6.GSTIN of PFC New Delhi is 07AAACP1570H1ZM which may please be updated in Your records.

7 mDr ij i=kpkj rFkk vl; dksz Li "Vhdj.k fuEufyf[kr vf/kdkfj; kal si klr fd; k tk l drk gA

7.Correspondences on the above, and any clarification that may be required may be addressed to :

uke	inuke	Oks@QDI @bl ey
i) D.V.SUBBA RAO	SENIOR GENERAL MANAGER (FINANCE)	TEL. 011-23456279, subba_rao@pfcindia.com
ii) D.V.SUBBA RAO	SENIOR GENERAL MANAGER (FINANCE)	TEL. 011-23456279, subba_rao@pfcindia.com
iii) D.V.SUBBA RAO	SENIOR GENERAL MANAGER (FINANCE)	TEL. 011-23456279, subba_rao@pfcindia.com

**\*\* This is not an Invoice**

LOAN NO	INST NO	PRINCIPAL	INTEREST	RED.	SUBSIDY	COMM.	CHARGE	Moratorium Int.	Addl. Int. due to Due_dt shifting	CGST	SGST	IGST	TOTAL (₹)
62102002	172	69,29,556	5,76,801					0	0	0	0	0	75,06,357
62401001	52	3,03,25,984	80,85,946					0	0	0	0	0	3,84,11,930
62401003	11	6,17,79,538	8,96,95,698					0	0	0	0	0	15,14,75,236
62404001	49	30,47,387	10,61,092					0	0	0	0	0	41,08,479
;kx /TOTAL :		10,20,82,465	9,94,19,537					0	0	0	0	0	20,15,02,002

\*\* This is not an Invoice

Identified Loan

POWER FINANCE CORPORATION LIMITED  
(A Govt. of India Undertaking)  
CIN No.:L65910DL1986GOI024862  
Regd.Office:Urja Nidhi, 1,Barakhamba Lane, New Delhi-110001  
E-Mail:loanrecovery@pfcindia.com Website:www.pfcindia.com

Rep.Name:dem\_not\_hindi\_pnl\_em\_gst  
PageNo : 1 / 4

GSTIN 07AAACP1570H1ZM

Ref. No 04:06: (624):2021-2022

Dated : 15/05/2021

MR. C.D.GOGOI

CHIEF GENERAL MANAGER (F&A)  
ASSAM POWER GENERATION CORPORATION LTD.  
ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR,GUWAHATI-781 001  
ASSAM

Dear Sir/Madam,

fnukel - 15@05@2021 dksns eyw/ku] C; kt] I fcl Mh eadVks-h] ifrc) rk i Hkkj] bR; kfn dk Hkqrku 15@05@2021 rd dja

PAYMENT OF PRINCIPAL, INTEREST, REDUCTION SUB., COMMITMENT CHARGES ETC. DUE ON : 15/05/2021 TO BE PAID ON OR BEFORE 15/05/2021

fuEufyf[kr \_\_.kksdfy, fnukel 15@05@2021 dkseyw/ku] C; kt] I fcl Mh eadVks-h] ifrc) rk i Hkkj] bR; kfn dh fd'rkadk Hkqrku ns gS

The instalments of Principal, Interest, Reduction Sub., Commitment Charges ect. are due for payment on or before 15/05/2021 as per details given below :

The Summary of Dues is as under:

Due for the current month	75,05,807
(+)Overdue of Previous demands - if any	20,15,02,002
(+)Interest & Penal Interest on overdue	0
<b>Total Amount to be paid</b>	<b>20,90,07,809</b>

50 dja : i ; svlj ml l svf|d dsfdl h Hkh Hkqrku dsfy, ih, Ql h , ybZ/kbZ 3358003Q6D9LIJZ1614 bkr dja  
Quote PFC LEI 3358003Q6D9LIJZ1614 for any payment of Rs.50 cr and above.

d)di ; k ukS djafd ns jkf'k dk Hkqrku u djustij ] fdl h \_\_.k jokrsdks, u ih , ds: i esoxhdr djusdh vof| vc 90 fnu dj nh xbZ gSA

a) Kindly note that, the period for classifying a loan account as NPA/Stage 3 on account of non-payment of dues has been reduced to 90 days.

[k)mi ; Dr i jv jkf'k tek djkuh gksx rFkk ns l sfd, x, vFkok de fd, x, Hkqrku ij ; Fkk ykxvnaLo: i C; kt rFkk C; kt ij C; kt i Hkkfjr fd; k tk, xkA vi Ekr Li "Vhdj.k] ; fn dksZ gJckn esiklr fd; k tk l drk gA Hkqrku l adh vumSk rFkk x.kuk bl dsl kFk l gXu gA

x) ;g ekā i= vki dksf'k"Vkpjko'k Hksk tk jgk gā ekā l pāk dh i kfr u gksk@ vl; dksz xyrh foya l shkxrk dju@shkxrk u djusdk vf/kdkj ughansh rFkk \_\_.kdrkz dks muds nlf; Ro l sfoepr ughadjrhA

b) The above amount is to be remitted in full and penal interest/Int on Int. as applicable shall be charged for delayed and short payments. Clarifications required, if any, may be sought subsequently. Payment instructions and calculations are enclosed herewith.

c) This Demand Notice is being sent as a matter of courtesy. Non-Receipt of Demand Notice/any mistake does not give any right for late payment/non payment and will not absolve from the obligations of Borrower.

?k) ih, Qih dks shkxrk djrs l e; dl; k cā-dfku ea "APGCL - 624" vādr djā

d) Kindly Indicate "APGCL - 624" in Bank Narration while making all the payments to PFC.

M) bl ds vfrfjDr] ;g Hkh fuosu gSfd] \_\_.k&drrkz 11-30 ctsl si vā ih, Qih [kkrse dS/V djuk l fuf'Pkr djavk] ftl Hkh fof/k l shkxrk jk'k tek djkbz gk] ml dh l pāk QDI @bley ds] jk Hkh nsrā

e) Further it is requested that, THE BORROWER MAY ENSURE CREDIT TO PFC'S A/C BEFORE 11.30 AM. Please also inform the same by Fax /email regarding remittances.

Hky&pd/ ysh nshA

Errors and Omissions are excepted.

/ku; okn A Thanking you,

Hkonh; -, Yours faithfully,

ikoj Okbuā dkk] s ku fyevā dsy, / FOR POWER FINANCE CORPORATION LIMITED

D.V.SUBBA RAO  
SENIOR GENERAL MANAGER (FINANCE)  
LOAN RECOVERY UNIT

Copy To :

MR NAWJIT BARMAN  
ASSAM POWER GENERATION CORPORATION LTD.  
FINANCE OFFICER

ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR, GUWAHATI-781 001  
ASSAM

Hkkqrku vumSk / PAYMENT INSTRUCTIONS

1. \_\_.kdrk{ka}kjk n\$ frffk ij l Hkh izdkj dk l afdkr Hkkqrku fuEukuq kj fuxe ds[kkrseafdk; k tk, %

1.All monies payable by the borrower to the Corporation shall be paid on due dates of the relevant payments to the Corporation's Accounts as given below:

1 Account No. 00030350000790 of HDFC Bank K G Marg, New Delhi (IFSC code ..... HDFC0000003)

2. ih, Ql h \_\_.kdrk{ka}kjk n\$ jkf'k dk Hkkqrku b&Hkkqrku@vkjVhth, l izkkyh }kjk fd, tkusdksi kFkfedrk nsk gS rFkk i kkl kfgR djrk gA

2.PFC would prefer and encourage the Borrowers in remitting the dues through e-Payment/ RTGS System, For which you may like to take up with your Bankers.

3 \_\_.kdrkz i vkr-% l fuf'Pkr djafd n\$ frffk ij fuxe ds[kkrseafdk Hkkqrku dj fn; k x; k gA

3.The Borrower will fully ensure that the monies are duly credited on the due dates to the Corporations's above said Accounts.

4 \_\_.knkrk dsi {k eans l afdkr Hkkqrku rc vnk ekuk tk, xk ; fn og jkf'k n\$ frffk dks fuxe ds[kkrseatek gkstk, xhA

4.The amount due from the borrower on the due dates of the relevant payments will be construed to have been paid only if such amount is duly credited to the Corporation's said Accounts on the due date.

5 n\$ jkf'k dk Hkkqrku n\$ frffk ij u gkasdh l fkr eabl s\_\_k dh 'kriksapav ekuk t; sk rFkk \_\_.kdrkz pav dh rkjh[k rd \_\_.k dh 'kriksdsvud kj nA Lo: i C; kt dk Hkkqrku djusdsfy; smRrjnk; h gkzka

5.In the event the amount due is not credited to the said Accounts on the due dates of the relevant payments, such non-payment will constitute a default within the terms of the loan and the borrower will be liable to pay penal interest from the date of default till the date on which the amount is duly credited to the said accounts calculated at the rate and in the manner as specified in terms of the sanction of loan.

6 di; k ukS djafd ih, Ql h ubz fnYyh dk GSTIN 07AAACP1570H1ZM gA

6.GSTIN of PFC New Delhi is 07AAACP1570H1ZM which may please be updated in Your records.

7 mDr ij i=kpkj rFkk vl; dksz Li "Vhdj.k fuEufyf[kr vf/kdkfj; kal si klr fd; k tk l drk gA

7.Correspondences on the above, and any clarification that may be required may be addressed to :

uke	inuke	Oks@QDI @bl ey
i) D.V.SUBBA RAO	SENIOR GENERAL MANAGER (FINANCE)	TEL. 011-23456279, subba_rao@pfcindia.com
ii) D.V.SUBBA RAO	SENIOR GENERAL MANAGER (FINANCE)	TEL. 011-23456279, subba_rao@pfcindia.com
iii) D.V.SUBBA RAO	SENIOR GENERAL MANAGER (FINANCE)	TEL. 011-23456279, subba_rao@pfcindia.com

**\*\* This is not an Invoice**

LOAN NO	INST NO	PRINCIPAL	INTEREST	RED.	SUBSIDY	COMM.	CHARGE	Moratorium Int.	Addl. Int. due to Due_dt shifting	CGST	SGST	IGST	TOTAL (₹)
62102002	173	69,29,556	5,58,196		18,055		0	0	0	0	0	0	75,05,807
<b>;/kx /TOTAL :</b>		69,29,556	5,58,196		18,055		0	0	0	0	0	0	75,05,807

\*\* This is not an Invoice

Identified Loan

POWER FINANCE CORPORATION LIMITED  
(A Govt. of India Undertaking)  
CIN No.:L65910DL1986GOI024862  
Regd.Office:Urja Nidhi, 1,Barakhamba Lane, New Delhi-110001  
E-Mail:loanrecovery@pfcindia.com Website:www.pfcindia.com

Rep.Name:dem\_not\_hindi\_pnl\_em\_gst  
PageNo : 1 / 4

GSTIN 07AAACP1570H1ZM

Ref. No 04:06: (624):2021-2022

Dated : 10/06/2021

MR. C.D.GOGOI

CHIEF GENERAL MANAGER (F&A)  
ASSAM POWER GENERATION CORPORATION LTD.  
ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR,GUWAHATI-781 001  
ASSAM

Dear Sir/Madam,

fnukal - 15@06@2021 dksns eyw/ku] C; kt] I fcl Mh eadVks'h] ifrc) rk i Hkkj] bR; kfn dk Hkqrku 15@06@2021 rd djA

PAYMENT OF PRINCIPAL, INTEREST, REDUCTION SUB., COMMITMENT CHARGES ETC. DUE ON : 15/06/2021 TO BE PAID ON OR BEFORE 15/06/2021

fuEufyf[kr \_\_.kksd'fy, fnukal 15@06@2021 dkseyw/ku] C; kt] I fcl Mh eadVks'h] ifrc) rk i Hkkj] bR; kfn dh fd'rkadk Hkqrku ns gS&

The instalments of Principal, Interest, Reduction Sub., Commitment Charges ect. are due for payment on or before 15/06/2021 as per details given below :

The Summary of Dues is as under:

Due for the current month	73,92,540
(+)Overdue of Previous demands - if any	0
(+)Interest & Penal Interest on overdue	0
<b>Total Amount to be paid</b>	<b>73,92,540</b>

50 djM : i ; svlj ml l svf|d dsfdl h Hkh Hkqrku dsfy, ih, Ql h , ybZ/kbZ 3358003Q6D9LIJZ1614 bAr djA  
Quote PFC LEI 3358003Q6D9LIJZ1614 for any payment of Rs.50 cr and above.

d)di ; k ukS djafd ns jkf'k dk Hkqrku u djusi j ] fdl h \_\_.k jokrsdks, u ih , ds: i eaoxh'dr djusdh vof| vc 90 fnu dj nh xbZ gSA

a) Kindly note that, the period for classifying a loan account as NPA/Stage 3 on account of non-payment of dues has been reduced to 90 days.

[k)mi ; Dr i jv jkf'k tek djkuh gks'h rFkk ns l sfd, x, vFkok de fd, x, Hkqrku ij ; Fkk ykxvnaLo: i C; kt rFkk C; kt ij C; kt i Hkkfjr fd; k tk, xkA vi Ekr Li "Vhdj.k] ; fn dksZ gJckn esiklr fd; k tk l drk gA Hkqrku l adh vumSk rFkk x.kuk bl dsl kFk l gXu gA



x) ;g ekā i= vki dksf'k"Vkpjjo'k Hksk tk jgk gā ekā l pāk dh i kfr u gksk@ vl; dksz xyrh foya l shkxrk dju@Hkxrk u djustk vf/kdkj ughansh rFkk \_\_.kdrkz dks muds nlf; Ro l sfoePr ughadjrhA

b) The above amount is to be remitted in full and penal interest/Int on Int. as applicable shall be charged for delayed and short payments. Clarifications required, if any, may be sought subsequently. Payment instructions and calculations are enclosed herewith.

c) This Demand Notice is being sent as a matter of courtesy. Non-Receipt of Demand Notice/any mistake does not give any right for late payment/non payment and will not absolve from the obligations of Borrower.

?k) ih, Qih dksHkxrk djrs l e; dl; k cā-dfku ea "APGCL - 624" vādr djā

d) Kindly Indicate "APGCL - 624" in Bank Narration while making all the payments to PFC.

M) bl ds vfrfjDr] ;g Hkh fuosu gSfd] \_\_.k&drrkz 11-30 ctsl si vā ih, Qih [kkrse dS/V djuk l fuf'Pkr djavk ft l Hkh fof/k l shkxrk jk'k tek djkbz gk's ml dh l pāk ODI @bley ds}kjk Hkh nsnā

e) Further it is requested that, THE BORROWER MAY ENSURE CREDIT TO PFC'S A/C BEFORE 11.30 AM. Please also inform the same by Fax /email regarding remittances.

Hky&pd/ ysh nshA

Errors and Omissions are excepted.

/kl; okn A Thanking you,

Hkonh; -, Yours faithfully,

ikoj Okbus dWk'sku fyevā dsfy, / FOR POWER FINANCE CORPORATION LIMITED

D.V.SUBBA RAO  
CHIEF GENERAL MANAGER (LOAN RECOVERY)  
LOAN RECOVERY UNIT

Copy To :

MR NAWJIT BARMAN  
ASSAM POWER GENERATION CORPORATION LTD.  
FINANCE OFFICER

ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR, GUWAHATI-781 001  
ASSAM

Hkkqrku vumSk / PAYMENT INSTRUCTIONS

1. \_\_.kdrk{ka}kjk n\$ frffk ij l Hkh izdkj dk l afdkr Hkkqrku fuEukuq kj fuxe ds[kkrseafdk; k tk, %

1.All monies payable by the borrower to the Corporation shall be paid on due dates of the relevant payments to the Corporation's Accounts as given below:

1 Account No. 00030350000790 of HDFC Bank K G Marg, New Delhi (IFSC code ..... HDFC0000003)

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2.PFC would prefer and encourage the Borrowers in remitting the dues through e-Payment/ RTGS System, For which you may like to take up with your Bankers.

3 \_\_.kdrkz i vkr-% l fuf'Pkr djafdk n\$ frffk ij fuxe ds[kkrseafdk Hkkqrku dj fn; k x; k gA

3.The Borrower will fully ensure that the monies are duly credited on the due dates to the Corporations's above said Accounts.

4 \_\_.knkrk dsi {k eans l afdkr Hkkqrku rc vnk ekuk tk, xk ; fn og jkf'k n\$ frffk dksfuxe ds[kkrseatek gkstk, xhA

4.The amount due from the borrower on the due dates of the relevant payments will be construed to have been paid only if such amount is duly credited to the Corporation's said Accounts on the due date.

5 n\$ jkf'k dk Hkkqrku n\$ frffk ij u gkasdhi flFkr eabl s\_\_k dh 'kriksapad ekuk t; sk rFkk \_\_.kdrkz pav dh rkjh[k rd \_\_.k dh 'kriksdsvud kj nA Lo: i C; kt dk Hkkqrku djusdsfy; smRrjnk; h gkzka

5.In the event the amount due is not credited to the said Accounts on the due dates of the relevant payments, such non-payment will constitute a default within the terms of the loan and the borrower will be liable to pay penal interest from the date of default till the date on which the amount is duly credited to the said accounts calculated at the rate and in the manner as specified in terms of the sanction of loan.

6 di; k ukS djafdk ih, Ql h ubz fnYyh dk GSTIN 07AAACP1570H1ZM gA

6.GSTIN of PFC New Delhi is 07AAACP1570H1ZM which may please be updated in Your records.

7 mDr ij i=kpkj rFkk vU; dksz Li "Vhdj.k fuEufyf[kr vf/kdkfj; kal si klr fd; k tk l drk gA

7.Correspondences on the above, and any clarification that may be required may be addressed to :

- |                    |                                       |   |
|--------------------|---------------------------------------|---|
| uke                | inuke                                 | Oks@QDI @bl ey                            |
| i) D.V.SUBBA RAO   | CHIEF GENERAL MANAGER (LOAN RECOVERY) | TEL. 011-23456279, subba_rao@pfcindia.com |
| ii) D.V.SUBBA RAO  | CHIEF GENERAL MANAGER (LOAN RECOVERY) | TEL. 011-23456279, subba_rao@pfcindia.com |
| iii) D.V.SUBBA RAO | CHIEF GENERAL MANAGER (LOAN RECOVERY) | TEL. 011-23456279, subba_rao@pfcindia.com |

**\*\* This is not an Invoice**

LOAN NO	INST NO	PRINCIPAL	INTEREST	RED.	SUBSIDY	COMM.	CHARGE	Moratorium Int.	Addl. Int. due to Due_dt shifting	CGST	SGST	IGST	TOTAL (₹)
62102002	174	69,29,556	4,62,984					0	0	0	0	0	73,92,540
<b>₹ /TOTAL :</b>		69,29,556	4,62,984					0	0	0	0	0	73,92,540

\*\* This is not an Invoice

Identified Loan

POWER FINANCE CORPORATION LIMITED  
(A Govt. of India Undertaking)  
CIN No.:L65910DL1986GOI024862  
Regd.Office:Urja Nidhi, 1,Barakhamba Lane, New Delhi-110001  
E-Mail:loanrecovery@pfcindia.com Website:www.pfcindia.com

Rep.Name:dem\_not\_hindi\_pnl\_em\_gst  
PageNo : 1 / 4

GSTIN 07AAACP1570H1ZM

Ref. No 04:06: (624):2021-2022

Dated : 09/07/2021

MR. C.D.GOGOI

CHIEF GENERAL MANAGER (F&A)  
ASSAM POWER GENERATION CORPORATION LTD.  
ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR,GUWAHATI-781 001  
ASSAM

Dear Sir/Madam,

fnukal - 15@07@2021 dksns eyw/ku] C; kt] I fcl Mh eadVks'h] ifrc) rk i Hkkj] bR; kfn dk Hkqrku 15@07@2021 rd djs

PAYMENT OF PRINCIPAL, INTEREST, REDUCTION SUB., COMMITMENT CHARGES ETC. DUE ON : 15/07/2021 TO BE PAID ON OR BEFORE 15/07/2021

fuEufyf[kr \_\_.kksd'fy, fnukal 15@07@2021 dkseyw/ku] C; kt] I fcl Mh eadVks'h] ifrc) rk i Hkkj] bR; kfn dh fd'rkadk Hkqrku ns gS

The instalments of Principal, Interest, Reduction Sub., Commitment Charges ect. are due for payment on or before 15/07/2021 as per details given below :

The Summary of Dues is as under:

Due for the current month	20,36,19,373
(+)Overdue of Previous demands - if any	0
(+)Interest & Penal Interest on overdue	0
<b>Total Amount to be paid</b>	<b>20,36,19,373</b>

50 djsM : i ; svlj ml l svf|d dsfdl h Hkh Hkqrku dsfy, ih, Ql h , ybZ/kbZ 3358003Q6D9LIJZ1614 bkr djs  
Quote PFC LEI 3358003Q6D9LIJZ1614 for any payment of Rs.50 cr and above.

d)di ; k ukS djsfd ns jkf'k dk Hkqrku u djustij ] fdl h \_\_.k jokrsdks, u ih , ds: i esoxh'dr djusdh vof| vc 90 fnu dj nh xbZ gSA

a) Kindly note that, the period for classifying a loan account as NPA/Stage 3 on account of non-payment of dues has been reduced to 90 days.

[k)mi ; Dr i jv jkf'k tek djkuh gks'h rFkk ns l sfd, x, vFkok de fd, x, Hkqrku ij ; Fkk ykxvvalLo: i C; kt rFkk C; kt ij C; kt i Hkkfjr fd; k tk, xkA vi Ekr Li "Vhdj.k] ; fn dksZ gJckn esiklr fd; k tk l drk gA Hkqrku l adh vumSk rFkk x.kuk bl dsl kFk l gXu gA

x) ;g ekā i= vki dksf'k"Vkpjjo'k Hksk tk jgk gā ekā l pāk dh i kfr u gksk@ vl; dksz xyrh foya l shkxrk dju@Hkxrk u djustk vf/kdkj ughansh rFkk \_\_.kdrkz dks muds nlf; Ro l sfoePr ughadjrhA

b) The above amount is to be remitted in full and penal interest/Int on Int. as applicable shall be charged for delayed and short payments. Clarifications required, if any, may be sought subsequently. Payment instructions and calculations are enclosed herewith.

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M) bl ds vfrfjDr] ;g Hkh fuosu gSfd] \_\_.k&drrkz 11-30 ctsl si vā ih, Qih [kkrse dS/V djuk l fuf'Pkr djavk ft l Hkh fof/k l shkxrk jk'k tek djkbz gk's ml dh l pāk ODI @bley ds}kjk Hkh nsnā

e) Further it is requested that, THE BORROWER MAY ENSURE CREDIT TO PFC'S A/C BEFORE 11.30 AM. Please also inform the same by Fax /email regarding remittances.

Hky&pd/ ysh nshA

Errors and Omissions are excepted.

/kl; okn A Thanking you,

Hkonh; -, Yours faithfully,

ikoj Okbus dWk'sku fyevā dsfy, / FOR POWER FINANCE CORPORATION LIMITED

D.V.SUBBA RAO  
CHIEF GENERAL MANAGER (LOAN RECOVERY)  
LOAN RECOVERY UNIT

Copy To :  
MR NAWJIT BARMAN  
ASSAM POWER GENERATION CORPORATION LTD.  
FINANCE OFFICER

ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR, GUWAHATI-781 001  
ASSAM

Hkkqrku vumSk / PAYMENT INSTRUCTIONS

1. \_\_.kdrk{ka}kjk n\$ frffk ij l Hkh izdkj dk l afdkr Hkkqrku fuEukuq kj fuxe ds[kkrseafdk; k tk, %

1.All monies payable by the borrower to the Corporation shall be paid on due dates of the relevant payments to the Corporation's Accounts as given below:

1 Account No. 00030350000790 of HDFC Bank K G Marg, New Delhi (IFSC code ..... HDFC0000003)

2. ih, Ql h \_\_.kdrk{ka}kjk n\$ jkf'k dk Hkkqrku b&Hkkqrku@vkjVhth, l izkkyh }kjk fd, tkusdksi kFkfedrk nsk g\$ rFkk i kkl kfgj djrk gA

2.PFC would prefer and encourage the Borrowers in remitting the dues through e-Payment/ RTGS System, For which you may like to take up with your Bankers.

3 \_\_.kdrkz i vkr-% l fuf'Pkr djafd n\$ frffk ij fuxe ds[kkrseafdk Hkkqrku dj fn; k x; k gA

3.The Borrower will fully ensure that the monies are duly credited on the due dates to the Corporations's above said Accounts.

4 \_\_.knkrk dsi {k eans l afdkr Hkkqrku rc vnk ekuk tk, xk ; fn og jkf'k n\$ frffk dksfuxe ds[kkrseatek gkstk, xhA

4.The amount due from the borrower on the due dates of the relevant payments will be construed to have been paid only if such amount is duly credited to the Corporation's said Accounts on the due date.

5 n\$ jkf'k dk Hkkqrku n\$ frffk ij u gkasdh l fkr eabl s\_\_k dh 'krisepav ekuk t; sk rFkk \_\_.kdrkz pav dh rkjh[k rd \_\_.k dh 'krisdsvuq kj n\$ Lo: i C; kt dk Hkkqrku djusdsfy; smRrjnk; h gkzka

5.In the event the amount due is not credited to the said Accounts on the due dates of the relevant payments, such non-payment will constitute a default within the terms of the loan and the borrower will be liable to pay penal interest from the date of default till the date on which the amount is duly credited to the said accounts calculated at the rate and in the manner as specified in terms of the sanction of loan.

6 di; k uk\$ djafd ih, Ql h ubz fnYyh dk GSTIN 07AAACP1570H1ZM gA

6.GSTIN of PFC New Delhi is 07AAACP1570H1ZM which may please be updated in Your records.

7 mDr ij i=kpkj rFkk vl; dksz Li "Vhdj.k fuEufyf[kr vf/kdkfj; kal si klr fd; k tk l drk gA

7.Correspondences on the above, and any clarification that may be required may be addressed to :

uke i nuke Oks@QDI @bl ey

i) D.V.SUBBA RAO CHIEF GENERAL MANAGER (LOAN RECOVERY) TEL. 011-23456279, subba\_rao@pfcindia.com

ii) D.V.SUBBA RAO CHIEF GENERAL MANAGER (LOAN RECOVERY) TEL. 011-23456279, subba\_rao@pfcindia.com

iii) D.V.SUBBA RAO CHIEF GENERAL MANAGER (LOAN RECOVERY) TEL. 011-23456279, subba\_rao@pfcindia.com

**\*\* This is not an Invoice**

LOAN NO	INST NO	PRINCIPAL	INTEREST	RED.	SUBSIDY	COMM.	CHARGE	Moratorium Int.	Addl. Int. due to Due_dt shifting	CGST	SGST	IGST	TOTAL (₹)
62102002	175	69,29,557	3,97,645					0	0	0	0	0	73,27,202
62401001	53	3,03,25,984	73,49,024					0	0	0	0	0	3,76,75,008
62401003	12	6,30,01,916	9,15,73,334					0	0	0	0	0	15,45,75,250
62404001	50	30,47,387	9,94,526					0	0	0	0	0	40,41,913
;kx /TOTAL :		10,33,04,844	10,03,14,529					0	0	0	0	0	20,36,19,373

\*\* This is not an Invoice

Identified Loan

POWER FINANCE CORPORATION LIMITED  
(A Govt. of India Undertaking)  
CIN No.:L65910DL1986GOI024862  
Regd.Office:Urja Nidhi, 1,Barakhamba Lane, New Delhi-110001  
E-Mail:loanrecovery@pfcindia.com Website:www.pfcindia.com

Rep.Name:dem\_not\_hindi\_pnl\_em\_gst  
i"Bl a/ PageNo : 1 / 4

GSTIN 07AAACP1570H1ZM

f nukal / Dated : 13/08/2021

Ref. No 04:06: (624):2021-2022

MR. C.D.GOGOI

CHIEF GENERAL MANAGER (F&A)

ASSAM POWER GENERATION CORPORATION LTD.  
ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR,GUWAHATI-781 001  
ASSAM

Dear Sir/Madam,

f nukal - 16@08@2021 dksns eyw/ku] C; kt] I fcl Mh eadVks'h] ifrc) rk i Hkkj] bR; kfn dk Hkqrku 16@08@2021 rd djA

PAYMENT OF PRINCIPAL, INTEREST, REDUCTION SUB., COMMITMENT CHARGES ETC. DUE ON : 16/08/2021 TO BE PAID ON OR BEFORE 16/08/2021

fuEufyf[kr \_\_.kksd'fy, f nukal 16@08@2021 dkseyw/ku] C; kt] I fcl Mh eadVks'h] ifrc) rk i Hkkj] bR; kfn dh fd'rkadk Hkqrku ns gS&

The instalments of Principal, Interest, Reduction Sub., Commitment Charges ect. are due for payment on or before 16/08/2021 as per details given below :

**The Summary of Dues is as under:**

Due for the current month	73,78,010
(+)Overdue of Previous demands - if any	-1
(+)Interest & Penal Interest on overdue	0
<b>Total Amount to be paid</b>	<b>73,78,009</b>

50 djM : i ; svlj ml l svf|d dsfdl h Hkh Hkqrku dsfy, ih, Ql h , ybZ/kbZ 3358003Q6D9LIJZ1614 bAr djA  
Quote PFC LEI 3358003Q6D9LIJZ1614 for any payment of Rs.50 cr and above.

d)di ; k ukS djafd ns jkf'k dk Hkqrku u djusi j ] fdl h \_\_.k jokrsdks, u ih , ds: i eaoxh'dr djusdh vof| vc 90 fnu dj nh xbZ gSA

a) Kindly note that, the period for classifying a loan account as NPA/Stage 3 on account of non-payment of dues has been reduced to 90 days.

[k)mi ; Dr i jv jkf'k tek djkuh gks'h rFkk ns l sfd, x, vFkok de fd, x, Hkqrku ij ; Fkk ykxvnaLo: i C; kt rFkk C; kt ij C; kt i Hkkfjr fd; k tk, xkA vi Ekr Li "Vhdj.k] ; fn dksZ gJckn esiklr fd; k tk l drk gA Hkqrku l adh vumSk rFkk x.kuk bl dsl kFk l gXu gA



x) ;g ekā i= vki dksf'k"Vkpjko'k Hksk tk jgk gā ekā I pāk dh i kfr u gksk@ vll; dksz xyrh foya I shkxrk dju@Hkxrk u djustk vf/kdkj ughansh rFkk \_\_.kdrkz dks muds nlf; Ro I sfoePr ughadjrhA

b) The above amount is to be remitted in full and penal interest/Int on Int. as applicable shall be charged for delayed and short payments. Clarifications required, if any, may be sought subsequently. Payment instructions and calculations are enclosed herewith.

c) This Demand Notice is being sent as a matter of courtesy. Non-Receipt of Demand Notice/any mistake does not give any right for late payment/non payment and will not absolve from the obligations of Borrower.

?k) ih, Qih dksHkxrk djrsle; dl;k cā-dfku ea "APGCL - 624" vādr djā

d) Kindly Indicate "APGCL - 624" in Bank Narration while making all the payments to PFC.

M) bl dsvfrfjDr] ;g Hkh fuosu gSfd] \_\_.k&drrkz 11-30 ctsl siwih, Qih [krsesdS/V djuk I fuf'Pkr djavk ftI Hkh fof/k I shkxrk jk'k tek djkbz gk's ml dh I pāk ODI @bley ds}kjk Hkh nsrā

e) Further it is requested that, THE BORROWER MAY ENSURE CREDIT TO PFC'S A/C BEFORE 11.30 AM. Please also inform the same by Fax /email regarding remittances.

Hky&pd/ysh nshA

Errors and Omissions are excepted.

/kl; okn A Thanking you,

Hkonh;~, Yours faithfully,

ikoj Okbus dWk'sku fyevā dsfy, / FOR POWER FINANCE CORPORATION LIMITED

D.V.SUBBA RAO  
CHIEF GENERAL MANAGER (LOAN RECOVERY)  
LOAN RECOVERY UNIT

Copy To :  
MR NAWJIT BARMAN  
ASSAM POWER GENERATION CORPORATION LTD.  
FINANCE OFFICER

ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR, GUWAHATI-781 001  
ASSAM

Hkkqrku vumSk / PAYMENT INSTRUCTIONS

1. \_\_.kdrk{ka}kjk n\$ frffk ij l Hkh izdkj dk l afdkr Hkkqrku fuEukuq kj fuxe ds[kkrseafdk; k tk, %

1.All monies payable by the borrower to the Corporation shall be paid on due dates of the relevant payments to the Corporation's Accounts as given below:

1 Account No. 00030350000790 of HDFC Bank K G Marg, New Delhi (IFSC code ..... HDFC0000003)

2. ih, Ql h \_\_.kdrk{ka}kjk n\$ jkf'k dk Hkkqrku b&Hkkqrku@vkjVhth, l izkkyh }kjk fd, tkusdksi kFkfedrk nsk g\$ rFkk i kkl kfgj djrk gA

2.PFC would prefer and encourage the Borrowers in remitting the dues through e-Payment/ RTGS System, For which you may like to take up with your Bankers.

3 \_\_.kdrkz i vkr-% l fuf'Pkr djafd n\$ frffk ij fuxe ds[kkrseafdk Hkkqrku dj fn; k x; k gA

3.The Borrower will fully ensure that the monies are duly credited on the due dates to the Corporations's above said Accounts.

4 \_\_.knkrk dsi {k eans l afdkr Hkkqrku rc vnk ekuk tk, xk ; fn og jkf'k n\$ frffk dksfuxe ds[kkrseatek gkstk, xhA

4.The amount due from the borrower on the due dates of the relevant payments will be construed to have been paid only if such amount is duly credited to the Corporation's said Accounts on the due date.

5 n\$ jkf'k dk Hkkqrku n\$ frffk ij u gkasdh l fkr eabl s\_\_k dh 'kriksapav ekuk t; sk rFkk \_\_.kdrkz pav dh rkjh[k rd \_\_.k dh 'kriksdsvud kj nkl Lo: i C; kt dk Hkkqrku djusdsfy; smRrjnk; h gkzka

5.In the event the amount due is not credited to the said Accounts on the due dates of the relevant payments, such non-payment will constitute a default within the terms of the loan and the borrower will be liable to pay penal interest from the date of default till the date on which the amount is duly credited to the said accounts calculated at the rate and in the manner as specified in terms of the sanction of loan.

6 di; k uk\$ djafd ih, Ql h ubz fnYyh dk GSTIN 07AAACP1570H1ZM gA

6.GSTIN of PFC New Delhi is 07AAACP1570H1ZM which may please be updated in Your records.

7 mDr ij i=kpkj rFkk vl; dksz Li "Vhdj.k fuEufyf[kr vf/kdkfj; kal si klr fd; k tk l drk gA

7.Correspondences on the above, and any clarification that may be required may be addressed to :

- |                    |                                       |   |
|--------------------|---------------------------------------|---|
| uke                | inuke                                 | Oks@QDI @bl ey                            |
| i) D.V.SUBBA RAO   | CHIEF GENERAL MANAGER (LOAN RECOVERY) | TEL. 011-23456279, subba_rao@pfcindia.com |
| ii) D.V.SUBBA RAO  | CHIEF GENERAL MANAGER (LOAN RECOVERY) | TEL. 011-23456279, subba_rao@pfcindia.com |
| iii) D.V.SUBBA RAO | CHIEF GENERAL MANAGER (LOAN RECOVERY) | TEL. 011-23456279, subba_rao@pfcindia.com |

**\*\* This is not an Invoice**

LOAN NO	INST NO	PRINCIPAL	INTEREST	RED.	SUBSIDY	COMM.	CHARGE	Moratorium Int.	Addl. Int. due to Due_dt shifting	CGST	SGST	IGST	TOTAL (₹)
62102002	176	69,29,556	4,24,154		24,300		0		0	0	0	0	73,78,010
<b>₹ /TOTAL :</b>		69,29,556	4,24,154		24,300		0		0	0	0	0	73,78,010

\*\* This is not an Invoice

Identified Loan

POWER FINANCE CORPORATION LIMITED  
(A Govt. of India Undertaking)  
CIN No.:L65910DL1986GOI024862  
Regd.Office:Urja Nidhi, 1,Barakhamba Lane, New Delhi-110001  
E-Mail:loanrecovery@pfcindia.com Website:www.pfcindia.com

Rep.Name:dem\_not\_hindi\_pnl\_em\_gst  
PageNo : 1 / 4

GSTIN 07AAACP1570H1ZM

Dated : 09/09/2021

Ref. No 04:06: (624):2021-2022

MR. C.D.GOGOI

CHIEF GENERAL MANAGER (F&A)  
ASSAM POWER GENERATION CORPORATION LTD.  
ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR,GUWAHATI-781 001  
ASSAM

Dear Sir/Madam,

fnukal - 15@09@2021 dksns eywku] C; kt] l fcl Mh eadVks'h] ifrc) rk i Hkkj] bR; kfn dk Hkqrku 15@09@2021 rd djA

PAYMENT OF PRINCIPAL, INTEREST, REDUCTION SUB., COMMITMENT CHARGES ETC. DUE ON : 15/09/2021 TO BE PAID ON OR BEFORE 15/09/2021

fuEufyf[kr \_\_.kkadsfy, fnukal 15@09@2021 dkseywku] C; kt] l fcl Mh eadVks'h] ifrc) rk i Hkkj] bR; kfn dh fd'rkadk Hkqrku ns gSA

The instalments of Principal, Interest, Reduction Sub., Commitment Charges ect. are due for payment on or before 15/09/2021 as per details given below :

The Summary of Dues is as under:

Due for the current month	72,25,379
(+)Overdue of Previous demands - if any	-1
(+)Interest & Penal Interest on overdue	0
<b>Total Amount to be paid</b>	<b>72,25,378</b>

\* : i; s50 djkm vlij ml l svf|d dsfdl h Hkh Hkqrku dsfy, ih, Ql h , ybZ/kbz 3358003Q6D9LIJZZ1614 bAkr djA

Quote PFC LEI 3358003Q6D9LIJZZ1614 for any payment of Rs.50 cr and above.

\*\* ih, Ql h dksHkqrku djrs l e; dl; k cA+dFku ea "APGCL - 624" vA dr djA

Kindly Indicate "APGCL - 624" in Bank Narration while making all the payments to PFC.

d) di; k ukS djAfd ns jkf'k dk Hkqrku u djustij ] fdl h \_\_.k jokrsdks, u ih , ds: i eAoxhZdr djusd h vof| vc 90 fnu dj nh xbZ gSA

a) Kindly note that, the period for classifying a loan account as NPA/Stage 3 on account of non-payment of dues has been reduced to 90 days.

[k] mi; dr i jv jkf'k tek djkuh gksh rFkk ns l sfd, x, vFkok de fd, x, Hkqrku ij ; Fkk ykxv Lo: i C; kt rFkk C; kt ij C; kt i Hkkfjr fd; k tk, xkA vi Ekr Li "Vhdj.k] ; fn dksZ g]ckn esiklr fd; k tk l drk gA Hkqrku l ead h vumSk rFkk x.kuk bl dsl kFk l gXu gA

b) The above amount is to be remitted in full and penal interest/Int on Int. as applicable shall be charged for delayed and short payments. Clarifications required, if any, may be sought subsequently. Payment instructions and calculations are enclosed herewith.

x) ;g ek i= vki dks'k"Vkpjjo'k Hksk tk jgk gA ek I pzk dh i kflr u gksk@ vl; dksl xyrh foya I shkxrku dju@Hkxrku u djusdk vf/kdkj ughansh rFkk \_\_.kdrkz dks muds

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d)Further it is requested that, **THE BORROWER MAY ENSURE CREDIT TO PFC's A/C BEFORE 11.30 AM.** Please also inform the same by Fax /email regarding remittances.

Hky&pd/ ysh nshA

Errors and Omissions are excepted.

/kl; okn A Thanking you,

Hkonh;~, Yours faithfully,

i koj Okbub dkkjsu fyfeM dsy, / FOR POWER FINANCE CORPORATION LIMITED

D.V.SUBBA RAO  
CHIEF GENERAL MANAGER (LOAN RECOVERY)  
LOAN RECOVERY UNIT

Copy To :  
MR NAWJIT BARMAN  
ASSAM POWER GENERATION CORPORATION LTD.  
FINANCE OFFICER

ASSAM POWER GENERATION CORPORATION LIMITED,  
3RD FLOOR, BIJULEE BHAVAN,  
PALTAN BAZAR, GUWAHATI-781 001  
ASSAM

Hkkqrku vuqfSk / PAYMENT INSTRUCTIONS

1. \_\_.kdrk{ks}kjk ns frffk ij l Hkh idkj dk l afkr Hkkqrku fuEkuq kj fuxe ds[kkrseaf; k tk, %

1.All monies payable by the borrower to the Corporation shall be paid on due dates of the relevant payments to the Corporation's Accounts as given below:

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2- ih, QI h \_\_.kdrk{ks}kjk ns jkf'k dk Hkkqrku b&Hkkqrku@vkjVhth, l izkkyh }kjk fd, tkusdksi kFkfedrk nsk gsrFkk i k&l kfgR djrk gA

2.PFC would prefer and encourage the Borrowers in remitting the dues through e-Payment/ RTGS System, For which you may like to take up with your Bankers.

3 \_\_.kdrkz i w% l fuf' Pkr djaf; ns frffk ij fuxe ds[kkrseaf Hkkqrku dj fn; k x; k gA

3.The Borrower will fully ensure that the monies are duly credited on the due dates to the Corporations's above said Accounts.

4 \_\_.knkrk dsi {k eans l afkr Hkkqrku rc vnk ekuk tk, xk ; fn og jkf'k ns frffk dksfuxe ds[kkrseatek gkstk, xhA

4.The amount due from the borrower on the due dates of the relevant payments will be construed to have been paid only if such amount is duly credited to the Corporation's said Accounts on the due date.

5 ns jkf'k dk Hkkqrku ns frffk ij u gksdhl fLFkr eabl s \_\_.k dh 'krkzseapw ekuk t; sk rFkk \_\_.kdrkz pav dh rkjh[k rd \_\_.k dh 'krkzsdsvud kj n&lLo: i C; kt dk Hkkqrku djustsfy; smRrjnk; h gkskA

5.In the event the amount due is not credited to the said Accounts on the due dates of the relevant payments, such non-payment will constitute a default within the terms of the loan and the borrower will be liable to pay penal interest from the date of default till the date on which the amount is duly credited to the said accounts calculated at the rate and in the manner as specified in terms of the sanction of loan.

6 di ; k ukz djaf; ih, QI h ubz fnYyh dk GSTIN 07AAACP1570H1ZM gA

6.GSTIN of PFC New Delhi is 07AAACP1570H1ZM which may please be updated in Your records.

7 mDr ij i=kpkj rFkk vl; dksz Li "Vhdj.k fuEufyf[kr vf/kdkfj; kal si klr fd; k tk l drk gA

7.Correspondences on the above, and any clarification that may be required may be addressed to :

- |                    |  |                        |
|--------------------|--|------------------------|
| uke                | i nuke   | Oks@ODI @bl ey         |
| i) D.V.SUBBA RAO   | CHIEF GENERAL MANAGER (LOAN RECOVERY) TEL. 011-23456279, | subba_rao@pfcindia.com |
| ii) D.V.SUBBA RAO  | CHIEF GENERAL MANAGER (LOAN RECOVERY) TEL. 011-23456279, | subba_rao@pfcindia.com |
| iii) D.V.SUBBA RAO | CHIEF GENERAL MANAGER (LOAN RECOVERY) TEL. 011-23456279, | subba_rao@pfcindia.com |

LOAN NO	INST NO	PRINCIPAL	INTEREST	RED.	SUBSIDY	COMM.	CHARGE	Moratorium Int.	Addl. Int. due to Due_dt shifting	CGST	SGST	IGST	TOTAL (₹)
62102002	177	69,29,556	2,95,823	0	0	0	0	0	0	0	0	0	72,25,379
;kx /TOTAL :		69,29,556	2,95,823	0	0	0	0	0	0	0	0	0	72,25,379

\*\* This is not an Invoice

## **Annexure No. 10 – Regulatory Formats**



Name of Company: Assam Power Generation Corporation Limited  
Name of Plant/ Station: Namrup Thermal Power Station

**INDEX OF FORMATS**

	Formats		PARTICULARS
1	Form	F1	Annual Revenue Requirement Summary
2	Form	F2a	Plant Characteristics-Thermal
3	Form	F2b	Plant Characteristics-Hydro
4	Form	F3a	Normative Parameters Considered for Tariff Computations-Thermal
5	Form	F3b	Normative Parameters Considered for Tariff Computations-Hydro
6	Form	F4	Generation Details and Variable Cost
7	Form	F5	Abstract of admitted Capital Cost for the existing Project
8	Form	F5a	Statement showing claimed capital cost
9	Form	F6	Details of Foreign Loans
10	Form	F7	Details of Foreign Equity
11	Form	F8	Capital Cost Estimates and Schedule of Commissioning for New projects
12	Form	F9a	Break-up of Capital Cost for Coal/ Lignite based projects
13	Form	F9b	Break-up of Capital Cost for Gas/ Liquid fuel based Projects
14	Form	F9c	Break-up of Capital Cost for Hydro projects
15	Form	F9d	Break-up of Capital Cost for Plant & Equipment of New Hydro projects
16	Form	F10	Break-up of Construction/ Supply/ Service packages
17	Form	F11	Draw Down Schedule for Calculation of IDC & Financing Charges
18	Form	F12	Financial Package Upto CoD
19	Form	F13	Details of Project Specific Loans
20	Form	F14a	Calculation of Weighted Average Rate of Interest on Actual Loans
21	Form	F14b	Calculation of Interest on Normative Loan
22	Form	F15	Details of Allocation of corporate loans to various projects
23	Form	F16	Statement of Additional Capitalisation after COD
24	Form	F16a	Details of Assets De-capitalized during the period
25	Form	F17	Financing of Additional Capitalisation
26	Form	F18	Statement of Capital Cost
27	Form	F19	Statement of Capital Works in Progress
28	Form	F20	R&M Expenses
29	Form	F21	Employee Expenses
30	Form	F22	Administration & General Expenses
31	Form	F23	Fixed Assets and Depreciation
32	Form	F24	Details computation of Interest on Loan
33	Form	F25	Return on Equity
34	Form	F26	Working Capital Requirements
35	Form	F27	Detailed Information in respect of fuel for computation of Energy Charges
36	Form	F28	Expenses Capitalised
37	Form	F29	Income Tax Provisions
38	Form	F30	Non-Tariff Income

Instructions for the Applicant

- 1) Electronic copy in the form of CD/ Floppy Disc shall also be furnished
- 2) These formats are indicative in nature and the utility may align the line items to its chart of accounts

<b>Name of Company: Assam Power Generation Corporation Limited</b>									
<b>Name of Plant/ Station: Namrup Thermal Power Station</b>									
<b>Annual Revenue Requirement Summary</b>								<b>Form No: F1</b>	
Rs Crore									
		<b>Form</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>	<b>2022-23</b>	<b>2023-24</b>	<b>2024-25</b>
			<b>Actual</b>	<b>Actual</b>	<b>Actual</b>	<b>Estimated</b>	<b>Projected</b>		
<b>A</b>	<b>Generation</b>								
1	Gross Generation (MU)	F4	314.37	252.86	231.08	145.21	195.09	195.09	195.09
2	Aux Consumption (%)	F4	6.7%	5.9%	5.3%	5.1%	4.5%	4.5%	4.5%
3	Net Generation (MU)	F4	293.17	237.85	218.73	137.80	186.31	186.31	186.31
<b>B</b>	<b>Capacity Charges (Annual Fixed Charges)</b>								
1	O&M expenses (including Increase in AERC Tariff Fees)								
a	Employee Expenses	F21	41.06	32.58					
b	R & M Expense	F20	4.84	4.63	36.07	24.36	20.86	21.81	22.80
c	A&G Expense	F22	3.61	1.83					
2	Depreciation	F23	1.50	1.46	1.45	0.88	0.92	0.95	0.98
3	Interest on Loans	F14B	0.10	0.10	0.10	0.06	0.05	0.13	0.08
4	Return on Equity	F25	8.53	8.53	8.53	8.53	8.53	8.53	8.53
5	Interest on Working Capital	F26	5.79	4.06	3.16	2.21	2.45	2.46	2.50
6	Income Tax	F29	1.66	0.21	0.00	0.00	0.00	0.00	0.00
7	Cost of secondary fuel (only for coal based stations)	F4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Special allowance in lieu of R&M or separate compensation allowance				0.00	0.00	4.25	1.60	0.80
9	Capacity Building			0.11	0.00	0.13	0.06	0.04	0.04
10	Less: Other Income	F30	-17.83	-15.44	-8.54	-7.13	-7.13	-7.13	-7.13
	<b>Total</b>		<b>49.25</b>	<b>38.08</b>	<b>40.76</b>	<b>29.03</b>	<b>29.98</b>	<b>28.38</b>	<b>28.59</b>
<b>C</b>	<b>Variable Charges (Energy Charges)</b>								
	Energy Charges from Primary Fuel (Rs Cr) <sup>C1, C2, C3, C4</sup>	F4	95.19	80.88	43.88	31.67	45.89	45.89	45.90
	Energy Charges from Primary Fuel (Rs/ kWh)	F4	3.25	3.40	2.01	2.30	2.46	2.46	2.46
					3.87	4.40	4.07	3.99	4.00
	C1 - If multifuel is used simultaneously, energy charges to be given in respect of every fuel individually								
	C2 - Energy charge shall be computed for open cycle operation and combined cycle operation separately in case of gas/ liquid fuel fired plants								
	C3 - Energy charge shall be worked out based on ex-bus energy scheduled to be sent out								
									<b>Petitioner</b>







Name of Company: Assam Power Generation Corporation Limited  
Name of Plant/ Station: Namrup Thermal Power Station

Abstract of admitted Capital Cost for the existing Project

Form No:

F5

	Particulars	Unit	Details
	<b>Last date of order of Commission for the project as on 31.03.2020</b>		
1	Capital Cost as admitted by AERC	Rs Lakhs	<b>19189</b>
2	Amount of un-discharged liabilities included in above (& forming part of admitted capital cost)	Rs Lakhs	<b>NIL</b>
3	Amount of un-discharged liabilities corresponding to above admitted capital cost (but not forming part of admitted capital cost being allowed on cash basis)	Rs Lakhs	<b>NIL</b>
4	Gross Normative Debt	Rs Lakhs	<b>12373</b>
5	Cumulative Repayment	Rs Lakhs	<b>14431.00</b>
6	Net Normative Debt	Rs Lakhs	<b>-2058.00</b>
7	Normative Equity	Rs Lakhs	<b>5500</b>
8	Cumulative Depreciation	Rs Lakhs	<b>14431.00</b>
9	Freehold land	Rs Lakhs	<b>NIL</b>

Petitioner

**Name of Company: Assam Power Generation Corporation**

**Name of Plant/ Station: Namrup Thermal Power Station**

**Statement showing claimed capital cost**

**Form No:**

**F5a**

	<b>Particulars</b>	<b>Unit</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>	<b>2022-23</b>	<b>2023-24</b>	<b>2024-25</b>
1	Opening Capital Cost	Rs Lakhs	18902.04	19049.01	18873.99	19038.82	19038.82	19210.52	19367.77
2	Add: Addition during the year / period	Rs Lakhs	148.44	139.54	164.82	0.00	171.70	157.25	113.35
3	Less: Decapitalisation during the year / period	Rs Lakhs	0.00	213.41	0.00	0.00	0.00	0.00	0.00
4	Less: Reversal during the year / period	Rs Lakhs	-1.47	0.00					
5	Add: Discharges during the year / period	Rs Lakhs	0.00	0.00					
6	Closing Capital Cost	Rs Lakhs	19049.01	18975.14	19038.82	19038.82	19210.52	19367.77	19481.12
7	Average Capital Cost	Rs Lakhs	18975.52	19012.07	18956.41	19038.82	19124.67	19289.14	19424.44

**Petitioner**

Name of Company: Assam Power Generat  
 Name of Plant/ Station: Namrup Thermal f

Details of Project Specific Loans

Form No: F13

Rs. Lakhs

Particulars	R&M NTPS	Package 2	Package 3	Package 4	Package 5	Package 6
Source of Loan <sup>1</sup>	I GOA -Loans					
Currency <sup>2</sup>	INR					
Amount of Loan sanctioned	19471					
Amount of Gross Loan drawn upto 31.03.2021 COD <sup>3,4,5,13,15</sup>	19518					
Interest Type <sup>6</sup>	Fixed					
Fixed Interest Rate, if applicable	10%					
Base Rate, if Floating Interest <sup>7</sup>						
Margin, if Floating Interest <sup>8</sup>	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
Are there any Caps/Floor <sup>9</sup>						
If above is yes,specify caps/floor						
Moratorium Period <sup>10</sup>						
Moratorium effective from						
Repayment Period <sup>11</sup>						
Repayment effective from						
Repayment Frequency <sup>12</sup>						
Repayment Instalment <sup>13,14</sup>						
Base Exchange Rate <sup>16</sup>						
Are foreign currency loan hedged?						
If above is yes,specify details <sup>17</sup>						

Note:

<sup>1</sup> Source of loan means the agency from whom the loan has been taken such as WB, ADB, WMB, PNB, SBI, ICICI, IFC, PFC etc.

<sup>2</sup> Currency refers to currency of loan such as US\$, DM, Yen, Indian Rupee etc.

<sup>3</sup> Details are to be submitted as on 31.03.2015 for existing assets and as on COD for the remaining assets.

<sup>4</sup> Where the loan has been refinanced, details in the Form is to be given for the loan refinanced. However, the details of the original loan is to be given seperately in the same form.

<sup>5</sup> If the Tariff in the petition is claimed seperately for various units, details in the Form is to be given seperately for all the units in the same form.

<sup>6</sup> Interest type means whether the interest is fixed or floating.

<sup>7</sup> Base rate means the base as PLR, LIBOR etc. over which the margin is to be added. Applicable base rate on different dates from the date of drawl may also be enclosed.

<sup>8</sup> Margin means the points over and above the floating rate.

<sup>9</sup> At times caps/ floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.

<sup>10</sup> Moratorium period refers to the period during which loan servicing liability is not required.

<sup>11</sup> Repayment period means the repayment of loan such as 7 years, 10 years, 25 years etc.

<sup>12</sup> Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual, etc.

<sup>13</sup> Where there is more than one drawal/repayment for a loan, the date & amount of each drawal/repayment may also be given seperately

<sup>14</sup> If the repayment instalment amount and repayment date can not be worked out from the data furnished above, the repayment schedule to be

<sup>15</sup> In case of Foreign loan, date of each drawal & repayment alongwith exchange rate at that date may be given.

<sup>16</sup> Base exchange rate means the exchange rate prevailing as on 31.03.2015 for existing assets and as on COD for the remaining assets.

<sup>17</sup> In case of hedging, specify details like type of hedging, period of hedging, cost of heging, etc.

<sup>18</sup> In case of foreign loans, provide details of exchange rate considered on date of each repayment of principal and date of interest payment.

<sup>19</sup> At the time of truing up rate of interest with relevant reset date (if any) to be furnished seperately.

<sup>20</sup> At the time of truing up provide details of refinancing of loans considered earlier. Details such as date on which refinancing done, amount of refinanced loan, terms and conditions of refinanced loan, financing and other charges incurred for refinancing etc.

Petitioner



<b>Name of Company: Assam Power Generation Corporation</b>								
<b>Name of Plant/ Station: Namrup Thermal Power Station</b>								
<b>Calculation of Weighted Average Rate of Interest on Actual Loans</b>							Form No:	F14a
		<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>	<b>2022-23</b>	<b>2023-24</b>	<b>2024-25</b>
	<b>Particulars</b>	<b>Actual</b>	<b>Actual</b>	<b>Actual</b>	<b>Estimated</b>	<b>Projected</b>		
	<b>Loan-1 from PFCL</b>							
	Gross loan - Opening							
	Cumulative repayments of Loans upto previous year							
	Net loan - Opening	414.02	387.03	364.92	346.12	476.25	437.34	407.53
	Add: Drawal(s) during the Year	0.00	21.28	26.38	173.26	0.00	0.00	0.00
	Less: Repayment (s) of Loans during the year	32.08	43.39	45.18	43.13	38.91	29.81	25.56
	Net loan - Closing	381.94	364.92	346.12	476.25	437.34	407.53	381.97
	Average Net Loan	397.98	375.97	355.52	411.19	456.80	422.44	394.75
	Rate of Interest on Loan on annual basis	11.64%	11.54%	11.97%	14.54%	11.71%	11.77%	11.80%
	Interest on loan	48.20	44.68	43.66	50.33	55.76	51.48	48.09
	<b>Loan-2 Govt. of Assam</b>							
	Gross loan - Opening							
	Cumulative repayments of Loans upto previous year							
	Net loan - Opening	206.75	239.80	278.95	603.22	603.28	645.47	683.35
	Add: Drawal(s) during the Year	27.98	9.98	-18.26	0.29	42.19	37.88	29.26
	Less: Repayment (s) of Loans during the year	-10.39	-21.69	-23.51	0.00	0.00	0.00	0.00
	Net loan - Closing	245.12	271.48	284.20	603.51	645.47	683.35	712.61
	Average Net Loan	225.93	255.64	281.57	603.37	624.38	664.41	697.98
	Rate of Interest on Loan on annual basis	6.93%	7.61%	7.55%	10.00%	10.35%	10.29%	10.21%
	Interest on loan	14.33	18.25	21.06	60.31	62.44	66.44	69.80
	<b>Loan-3 and so on</b>							
	Gross loan - Opening							
	Cumulative repayments of Loans upto previous year							
	Net loan - Opening							
	Add: Drawal(s) during the Year							
	Less: Repayment (s) of Loans during the year							
	Net loan - Closing							
	Average Net Loan							
	Rate of Interest on Loan on annual basis							
	Interest on loan							
	<b>Total Loan</b>							
	Gross loan - Opening							
	Cumulative repayments of Loans upto previous year							
	Net loan - Opening	620.77	626.83	643.87	949.34	1079.53	1082.81	1090.88
	Add: Drawal(s) during the Year	27.98	31.26	8.13	173.55	42.19	37.88	29.26
	Less: Repayment (s) of Loans during the year	21.69	21.69	21.67	43.13	38.91	29.81	25.56
	Net loan - Closing	627.05	636.40	630.32	1079.76	1082.81	1090.88	1094.58
	Average Net Loan	623.91	631.61	637.09	1014.55	1081.17	1086.85	1092.73
	Interest on loan	62.53	62.93	64.73	110.64	118.19	117.93	117.89
	<b>Weighted average Rate of Interest on Loans</b>	10.07%	10.04%	10.16%	10.91%	10.93%	10.85%	10.79%
	Note:							
	1. In case of Foreign Loans, the calculations in Indian Rupees is to be furnished. However, the calculations in Original currency is also to be furnished separately in the same form.							
							<b>Petitioner</b>	



Name of Company: Assam Power Gene

Name of Plant/ Station: Namrup Therm

Details of Allocation of corporate loans to various projects

Form No: F15

Rs. Lakhs

Particulars	Revival of TPS	EAP consulting service	Solar NTPS	NTPS(R&M)	Station heat Rate	Package 6
Source of Loan <sup>1</sup>	I GOA -Loans	I GOA -Loans	I GOA -Loans	I PFC Loans	I GOA -Loans	
Currency <sup>2</sup>	INR	INR	INR	INR	INR	
Amount of Loan sanctioned	74.45	37.45	404.00	0	13955.98	
Amount of Gross Loan drawn upto 31.03.2021/ COD <sup>3,4,5,13,15</sup>	74.45	37.45	404.00	0.00	13955.98	
Interest Type <sup>6</sup>						
Fixed Interest Rate, if applicable	10%	10%	10%	0.00%	10%	
Base Rate, if Floating Interest <sup>7</sup>						
Margin, if Floating Interest <sup>8</sup>	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
Are there any Caps/Floor <sup>9</sup>						
If above is yes,specify caps/floor						
Moratorium Period <sup>10</sup>						
Moratorium effective from						
Repayment Period <sup>11</sup>						
Repayment effective from						
Repayment Frequency <sup>12</sup>						
Repayment Instalment <sup>13,14</sup>						
Base Exchange Rate <sup>16</sup>						
Are foreign currency loan hedged?						
If above is yes,specify details <sup>17</sup>						

Distribution of loan packages to various projects

Name of the Projects						Total
Project 1						
Project 2						
Project 3 and so on						

Note:

<sup>1</sup> Source of loan means the agency from whom the loan has been taken such as WB, ADB, WMB, PNB, SBI, ICICI, IFC, PFC etc.

<sup>2</sup> Currency refers to currency of loan such as US\$, DM, Yen,Indian Rupee etc.

<sup>3</sup> Details are to be submitted as on 31.03.2015 for existing assets and as on COD for the remaining assets.

<sup>4</sup> Where the loan has been refinanced, details in the Form is to be given for the loan refinanced. However, the details of the original loan is to be given seperately in the same form.

<sup>5</sup> If the Tariff in the petition is claimed seperately for various units, details in the Form is to be given seperately for all the units in the

<sup>6</sup> Interest type means whether the interest is fixed or floating.

<sup>7</sup> Base rate means the base as PLR, LIBOR etc. over which the margin is to be added. Applicable base rate on different dates from the date of drawl may also be enclosed.

<sup>8</sup> Margin means the points over and above the floating rate.

<sup>9</sup> At times caps/ floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.

<sup>10</sup> Moratorium period refers to the period during which loan servicing liability is not required.

<sup>11</sup> Repayment period means the repayment of loan such as 7 years, 10 years, 25 years etc.

<sup>12</sup> Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual,

<sup>13</sup> Where there is more than one drawal/repayment for a loan, the date & amount of each drawal/repayment may also be given

<sup>14</sup> If the repayment instalment amount and repayment date can not be worked out from the data furnished above, the repayment

<sup>15</sup> In case of Foreign loan,date of each drawal & repayment alongwith exchange rate at that date may be given.

<sup>16</sup> Base exchange rate means the exchange rate prevailing as on 31.03.2015 for existing assets and as on COD for the remaining

<sup>17</sup> In case of hedging, specify details like type of hedging, period of hedging, cost of heging, etc.

<sup>18</sup> In case of foreign loans, provide details of exchange rate considered on date of each repayment of principal and date of interest payment.

<sup>19</sup> At the time of truing up rate of interest with relevant reset date (if any) to be furnished seperately.

<sup>20</sup> At the time of truing up provide details of refinancing of loans considered earlier. Details such as date on which refinancing done, amount of refinanced loan, terms and conditions of refinanced loan, financing and other charges incurred for refinancing etc.

Petitioner

Name of Company: Assam Power Generation C  
Name of Plant/ Station: Namrup Thermal Power

Statement of Additional Capitalisation after COD									Form No:	F16	
Rs. Lakhs											
No	Head of Work/ Equipment	Actual/ Projected additional capital expenditure claimed							Regulations under which claimed	Justification	Admitted Cost by Commission if any
		2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25			
1	Land	-	-	-	-	-	-	-			
2	Building	-	-	-	-	-	-	-			
3	Hydraulic works	-	-	-	-	-	-	-			
4	Other civil works	117.51	73.62	42.78	-	-	-	-			
5	Plant & machinery- Gas	20.68	41.04	106.30	-	171.70	157.25	113.35			
6	Plant & machinery- Hydel	-	-	-	-	-	-	-			
7	Lines & cables	-	-	-	-	-	-	-			
8	Vehicle	-	-	-	-	-	-	-			
9	Furniture	3.95	5.81	5.46	-	-	-	-			
10	Other office equipment	6.29	19.07	10.28	-	-	-	-			
11	Roads on land belonging to others	-	-	-	-	-	-	-			
12	Capital spares at Generating Stations	-	-	-	-	-	-	-			

Note:

- 1 Fill the form in chronological order year wise along with detailed justification clearly bring out the necessity and the benefits accruing to the beneficiaries.
- 2 In case initial spares are purchased alongwith any equipment, then the cost of such spares should be indicated separately. e.g. Rotor - 50 Crs. Initial spares- 5 Crs.
- 3 Actual/Projected additional capital expenditure claimed for past period shall be governed by Tariff Regulation for the relevant period

Petitioner

Name of Company: Assam Power Generation (

Name of Plant/ Station: Namrup Thermal Pow

Date of Commercial Operation:

Financing of Additional Capitalisation

Form No:

F17

Rs. Crore

Financial Year (Starting from COD)							
	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
Amount capitalised in Work/ Equipment							
Financing Details							
GOA Loan	1.48	1.40	1.65	0.00	1.72	1.57	1.13
Loan-2							
<b>Total Loan<sup>2</sup></b>	<b>1.48</b>	<b>1.40</b>	<b>1.65</b>	<b>0.00</b>	<b>1.72</b>	<b>1.57</b>	<b>1.13</b>
Grant	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Equity	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Internal Resources							
Others							
<b>Total</b>	<b>1.48</b>	<b>1.40</b>	<b>1.65</b>	<b>0.00</b>	<b>1.72</b>	<b>1.57</b>	<b>1.13</b>

<sup>1</sup> Year 1 refers to Financial Year of COD and Year 2, Year 3 etc. are the subsequent financial years respectively.

<sup>2</sup> Loan details for meeting the additional capitalisation requirement should be given as per Form 14 and Form 15 which



Name of Company: Assam Power Generation Corporation Ltd							
Name of Plant/ Station: Namrup Thermal Power Station							
<b>Employee Expenses</b>						Form No: F21	
							Rs. Crore
	<b>Particulars</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>	<b>2022-23</b>	<b>2023-24</b>
		<b>Actual</b>	<b>Actual</b>	<b>Actual</b>	<b>Estimated</b>	<b>Projected</b>	
1	Salaries	29.56	17.82				
2	Additional Pay	-	-				
3	Dearness Allowance (DA)	1.90	4.03				
4	Other Allowances & Relief	3.16	3.70				
5	Addl. Pay & C.Off Encashment	-	-				
6	Interim Relief / Wage Revision	-	-				
7	Honorarium/Overtime	0.35	0.78				
8	Bonus/ Exgratia To Employees	0.08	0.07				
9	Medical Expenses Reimbursement	0.06	0.07				
10	Travelling Allowance(Conveyance Allowance)	-	-				
11	Leave Travel Assistance	0.03	0.01				
12	Earned Leave Encashment	0.48	2.05				
13	Payment Under Workman's Compensation And Gratuity	-	-				
14	Subsidised Electricity To Employees	-	-				
15	Any Other Item	-	-				
16	Staff Welfare Expenses	0.04	0.05				
	Capacity Building Expenses	-	-				
17	Apprentice And Other Training Expenses	-	-				
18	Contribution To Terminal Benefits	5.39	4.00				
19	Provident Fund Contribution	-	-				
20	Provision for PF Fund	-	-				
21	Any Other Items (ROP)	-	0.00				
	<b>Total Employee Costs</b>	<b>41.06</b>	<b>32.58</b>				
22	Less: Employee expenses capitalised	0.00	0.00				
	<b>Net Employee expenses (D)-(E)</b>	<b>41.06</b>	<b>32.58</b>				
							<b>Petitioner</b>

APGCL is claiming normative O&M expenses as a whole for FY2020-21 to FY2024-25. Breakup of Actual R&M, Employee Expenses and A&G expenses are shown in the Excel True Up 2020-21\_vfinal.xlsx - Sheet "O&M"

<b>Name of Company: Assam Power Generation Corporation Limited</b>								
<b>Name of Plant/ Station: Namrup Thermal Power Station</b>								
<b>Administration &amp; General Expenses</b>							<b>Form No:</b>	<b>F22</b>
								Rs. Crore
	<b>Particulars</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>	<b>2022-23</b>	<b>2023-24</b>	<b>2024-25</b>
		<b>Actual</b>	<b>Actual</b>	<b>Actual</b>	<b>Estimated</b>	<b>Projected</b>		
1	Lease/ Rent	0.07	0.13					
2	Insurance	0.59	0.21					
3	Revenue Stamp Expenses Account	-	-					
4	Telephone, Postage, Telegram & Telex Charges	0.03	0.02					
5	Incentive & Award To Employees/Outsiders	-	-					
6	Consultancy Charges	0.36	0.23					
7	Technical Fees	-	-					
8	Other Professional Charges	0.10	0.02					
9	Conveyance And Travelling	0.27	0.12					
10	License and Registration Fees	-	-					
11	Vehicle Expenses	0.54	0.37					
12	Security / Service Charges Paid To Outside Agencies	-	-					
13	Fee And Subscriptions Books And Periodicals	0.36	0.05					
14	Fees paid to AERC	-	0.33					
15	Printing And Stationery	0.05	0.04					
16	Advertisement Expenses	0.14	0.09					
17	Contributions/Donations To Outside Institutes / Associations	0.07	0.06					
18	Electricity Charges To Offices	0.73	0.00					
19	Water Charges	0.00	0.00					
20	Entertainment Charges	0.03	0.03					
21	Miscellaneous Expenses	0.12	0.06					
22	Legal Charges	0.03	0.03					
23	Auditor's Fee	0.01	0.02					
24	Freight On Capital Equipments	-	-					
25	Purchase Related Advertisement Expenses	-	-					
26	Vehicle Running Expenses Truck / Delivery Van	-	-					
27	Vehicle Hiring Expenses Truck / Delivery Van	-	-					
28	Other Freight	0.00	-					
29	Transit Insurance	-	-					
30	Octroi	-	-					
31	Incidental Stores Expenses	-	-					
32	Fabrication Charges	-	-					
33	CSR	0.10	0.04					
	<b>Total A&amp;G Expenses</b>	<b>3.61</b>	<b>1.83</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Less: A&G Expenses Capitalised	0.00	0.00				5.00	
	<b>Total A&amp;G Expenses</b>	<b>3.61</b>	<b>1.83</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>-5.00</b>	<b>0.00</b>
							<b>Petitioner</b>	

APGCL is claiming normative O&M expenses as a whole for FY2020-21 to FY2024-25. Breakup of Actual R&M, Employee Expenses and A&G expenses are shown in the Excel True Up 2020-21\_vfinal.xlsx - Sheet "O&M"



Name of Company: Assam Power Gen																
Name of Plant/ Station: Namrup Thermal Power Station																
Fixed Assets and Depreciation															Form No:	F23
																Rs. Crore
Name of Asset	Depreciation rate <sup>1</sup>	2018-19					2019-20					2020-21				
		Actuals					Actuals					Actuals				
		Opening	Addition	Adjustment & Deduction	Depreciation	Closing	Opening	Addition	Adjustment & Deduction	Depreciation	Closing	Opening	Addition	Adjustment & Deduction	Depreciation	Closing
1 Land	0.00%	9.71	-	-	-	9.71	9.71	-	-	-	9.71	9.18	-	-	-	9.18
2 Building	3.34%	11.18	-	-	0.07	11.18	11.18	-	-	0.00	11.18	10.98	-	-	0.00	10.98
3 Hydraulic works	5.28%	0.04	-	-	0.00	0.04	0.04	-	-	0.00	0.04	0.04	-	-	0.00	0.04
4 Other civil works	3.34%	25.65	1.18	-	0.38	26.82	26.82	0.74	(2.03)	0.40	25.53	25.53	0.43	-	0.41	25.96
5 Plant & machinery- Gas	5.28%	96.17	0.21	-	0.32	96.38	96.38	0.41	-	0.33	96.79	96.79	1.06	-	0.35	97.85
6 Plant & machinery- Hydel	5.28%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7 Lines & cables	5.28%	1.95	-	-	0.06	1.95	1.95	-	-	0.05	1.95	1.95	-	-	0.05	1.95
8 Vehicle	9.50%	0.55	-	-	0.02	0.55	0.55	-	(0.11)	0.01	0.45	0.40	-	-	0.01	0.40
9 Furniture	6.33%	1.09	0.04	-	0.03	1.13	1.13	0.06	-	0.04	1.19	0.96	0.05	-	0.04	1.01
10 Other office equipment	6.33%	1.23	0.06	(0.01)	0.08	1.28	1.28	0.19	-	0.08	1.47	1.46	0.10	-	0.09	1.56
11 Roads on land belonging to others	3.34%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12 Capital spares at Generating Stations	5.28%	41.46	-	-	0.66	41.46	41.46	-	-	0.65	41.46	41.46	-	-	0.62	41.46
	0.00%	189.02	1.48	(0.01)	1.62	190.49	190.49	1.40	(2.13)	1.56	189.75	188.74	1.65	-	1.56	190.39
<b>Less: Depreciation on Grant</b>					-					-					-	
<b>Total Grant in Capital Asset</b>					13.16					13.16					13.16	
<b>Rate of Depreciation</b>					0.01					0.01					0.01	
<b>Assets funded by Grants/subsidies</b>					0.11					0.11					0.11	
<b>Net Depreciation</b>					1.50					1.46					1.45	
<sup>1</sup> Depreciation Rates as per AERC's Depreciation Rate Schedule																
<sup>2</sup> Name of the Assets should conform to the description of the assets mentioned in Depreciation schedule of AERC																
																Petitioner



Name of Company: Assam Power Corporation Limited													
Name of Plant/ Station: Namrup													
Details computation of Interest on Loans							Details computation of Interest on Loans						
Loan Details	Loan Tenure (yrs)	2018-19						2019-20					
		Actual						Actual					
		Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance
<b>A Secured Loans</b>													
<b>I PFC Loans</b>													
KLHEP	15	10%	3128.52	0.00	-834.27	267.52	2294.25	10%	2294	0	-834	190	1460
NTPS(R&M)	13	0%	0.00	0.00	0.00	0.00	0.00	0%	0	0	0	0	0
LTPS(R&M)	20	12%	7099.83	0.00	-1335.06	782.20	5764.77	12%	5765	0	-1335	611	4430
NRPP	15	12%	31173.72	0.00	-1039.12	3769.92	30134.59	12%	30643	2128	-2169	3667	30602
<b>Sub-total</b>	<b>0</b>	<b>12%</b>	<b>41402.07</b>	<b>0.00</b>	<b>-3208.46</b>	<b>4819.64</b>	<b>38193.61</b>	<b>12%</b>	<b>38703</b>	<b>2128</b>	<b>-4339</b>	<b>4468</b>	<b>36492</b>
<b>B Unsecured Loans</b>													
<b>I GOA -Loans</b>													
Rural electrification	10	10%	10.00	0.00	0.00	1.00	10.00	10%	10	0	0	1	10
NRPP Ph-I	10	10%	1472.50	0.00	0.00	147.25	1472.50	10%	1473	264	0	147	1737
LWHRP	10	10%	886.30	0.00	0.00	88.63	886.30	10%	886	0	0	89	886
Lower Kopili HEP	10	10%	1975.00	0.00	0.00	197.50	1975.00	10%	1975	0	0	198	1975
R&M NTPS	10	10%	3374.26	735.00	0.00	337.54	4109.26	10%	4109	166	0	411	4275
R&M LTPS	10	10%	2867.00	124.89	0.00	287.13	2991.89	10%	2992	1129	0	300	4121
LRPP	10	10%	153.05	0.00	0.00	15.30	153.05	10%	153	0	0	15	153
Lungnit SHEP	10	10%	400.00	0.00	0.00	40.00	400.00	10%	400	0	0	40	400
Myntriang SHEP	10	10%	1165.19	0.00	0.00	116.52	1165.19	10%	1165	0	0	117	1165
LTPS, Ph-II	10	10%	1805.00	0.00	0.00	180.50	1805.00	10%	1805	0	0	181	1805
Development of SHEP	10	10%	100.00	0.00	0.00	10.00	100.00	10%	100	0	0	10	100
Survey & Investigation of HEP	10	10%	70.00	0.00	0.00	7.00	70.00	10%	70	0	0	7	70
Non-Conventional source of HEP	10	10%	40.00	0.00	0.00	4.00	40.00	10%	40	0	0	4	40
KLHEP	10	10%	7867.48	1733.31	0.00	787.89	9600.80	10%	9601	1698	0	972	11299
KLHEP (upper)	10	10%	215.00	0.00	0.00	21.50	215.00	10%	215	0	0	22	215
KLHEP (intermediate)	10	10%	250.00	0.00	0.00	25.00	250.00	10%	250	0	0	25	250
Dhansiri HEP	10	10%	104.00	0.00	0.00	10.40	104.00	10%	104	0	0	10	104
Setting up of a 200MW (CCGT)	10	10%	15.00	0.00	0.00	1.50	15.00	10%	15	0	0	2	15
Borgolai	10	10%	425.00	0.00	0.00	42.50	425.00	10%	425	0	0	43	425
Revival of TPS	10	10%	50.00	24.45	0.00	5.01	74.45	10%	74	0	0	7	74
Development of Amguri	10	10%	50.00	0.00	0.00	5.00	50.00	10%	50	0	0	5	50
EAP consulting service	10	10%	37.45	0.00	0.00	3.75	37.45	10%	37	0	0	4	37
Golaghat	10	10%	37.00	0.00	0.00	3.70	37.00	10%	37	0	0	4	37
Boundary wall of Jagiroad	10	10%	53.79	0.00	0.00	5.38	53.79	10%	54	0	0	5	54
Station heat Rate	10	10%	31325.00	0.00	0.00	3132.50	31325.00	10%	31325	0	0	3133	31325
Solar NTPS	10	10%	404.00	0.00	0.00	40.40	404.00	10%	404	0	0	40	404
Disaster	0	0%	0.00	0.00	0.00	0.00	0.00	10%	0	2	0	0	2
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>55152.02</b>	<b>2617.65</b>	<b>0.00</b>	<b>5516.90</b>	<b>57769.67</b>	<b>0%</b>	<b>57770</b>	<b>3260</b>	<b>0</b>	<b>5789</b>	<b>61029</b>
<b>C II GOA -Loans (Source AD)</b>													
LRPP	0	10%	2161.49	155.85	0.00	227.80	2317.34	10%	2317	126	0	242	2444
ADB Consultancy	0	10%	37.61	1.53	0.00	3.83	39.13	10%	39	7	0	4	46
Lower Kopili HEP	0	10%	7.83	74.54	0.00	5.33	82.36	10%	82	58	0	12	140
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>2206.92</b>	<b>231.91</b>	<b>0.00</b>	<b>236.95</b>	<b>2438.83</b>	<b>0%</b>	<b>2439</b>	<b>191</b>	<b>0</b>	<b>258</b>	<b>2630</b>
<b>D Other Interest &amp; Finance Charges</b>													
Cost of raising Finance / Bank Charges	0	0%	0.00	0.00	0.00	5.18	0.00	0%	0	0	0	7	0
Interest on Security Deposit	0	0%	0.00	0.00	0.00	0.00	0.00	0%	0	0	0	0	0
Penal Interest Charges	0	0%	0.00	0.00	0.00	0.00	0.00	0%	0	0	0	0	0
Lease Rentals	0	0%	0.00	0.00	0.00	0.00	0.00	0%	0	0	0	0	0
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5.18</b>	<b>0.00</b>	<b>0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>0</b>
<b>E Grand Total Of Interest &amp; Finance Charges (A + B + C+ D)</b>													
	<b>0</b>	<b>0%</b>	<b>98761.01</b>	<b>2849.56</b>	<b>-3208.46</b>	<b>10578.67</b>	<b>98402.11</b>	<b>0%</b>	<b>98911</b>	<b>5578</b>	<b>-4339</b>	<b>10522</b>	<b>100151</b>

Name of Company: Assam Po														
Name of Plant/ Station: Namr														
ils computation of Interest on I							Details computation of Interest on I							
Loan Details	Loan Tenure (yrs)	2018-19						2019-20						
		Actual						Actual						
		Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	
F														
Less: Interest & Finance Charges Capitalised	0	0%	0.00	0.00	0.00	4251.48	0.00	0%	0	0	0	0	4193	0
<b>Net Total Of Interest &amp; Finance Charges (E-F)</b>	<b>0</b>	<b>0%</b>	<b>98761.01</b>	<b>2849.56</b>	<b>-3208.46</b>	<b>6327.20</b>	<b>98402.11</b>	<b>0%</b>	<b>98911</b>	<b>5578</b>	<b>-4339</b>	<b>6329</b>	<b>100151</b>	

Name of Company: Assam Power Corporation Limited													
Name of Plant/ Station: Namrup													
Is computation of Interest on Loan													
Loan Details	Loan Tenure (yrs)	2020-21						2021-22					
		Actual						Estimated					
		Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance
<b>A Secured Loans</b>													
<b>I PFC Loans</b>													
KLHEP	15	12%	1460	0	-832	126	628	12%	628	0	-628	38	0
NTPS(R&M)	13	0%	0	0	0	0	0	0%	0	0	0	0	0
LTPS(R&M)	20	13%	4430	0	-1335	495	3095	13%	3095	0	-1335	319	1760
NRPP	15	12%	30602	2638	-2351	3746	30890	12%	30890	17326	-2351	4675	45865
<b>Sub-total</b>	<b>0</b>	<b>12%</b>	<b>36492</b>	<b>2638</b>	<b>-4518</b>	<b>4366</b>	<b>34612</b>	<b>12%</b>	<b>34612</b>	<b>17326</b>	<b>-4313</b>	<b>5033</b>	<b>47625</b>
<b>B Unsecured Loans</b>													
<b>I GOA -Loans</b>													
Rural electrification	10	10%	10	0	0	1	10	10%	10	0	0	1	10
NRPP Ph-I	10	10%	1013	0	0	101	1013	10%	1013	0	0	101	1013
LWHRP	10	10%	886	0	0	89	886	10%	886	0	0	89	886
Lower Kopili HEP	10	10%	1975	0	0	198	1975	10%	1975	0	0	198	1975
R&M NTPS	10	10%	4999	47	0	500	5046	10%	5046	0	0	505	5046
R&M LTPS	10	10%	4121	635	0	413	4755	10%	4755	0	0	476	4755
LRPP	10	10%	153	0	0	15	153	10%	153	0	0	15	153
Lungnit SHEP	10	10%	400	0	0	40	400	10%	400	0	0	40	400
Myntriang SHEP	10	10%	1165	305	0	117	1470	10%	1470	0	0	147	1470
LTPS, Ph-II	10	10%	1805	0	0	181	1805	10%	1805	0	0	181	1805
Development of SHEP	10	10%	100	0	0	10	100	10%	100	0	0	10	100
Survey & Investigation of HE	10	10%	70	0	0	7	70	10%	70	0	0	7	70
Non-Conventional source of	10	10%	40	0	0	4	40	10%	40	0	0	4	40
KLHEP	10	10%	11299	131	0	1130	11430	10%	11430	29	0	1144	11460
KLHEP (upper)	10	10%	215	0	0	22	215	10%	215	0	0	22	215
KLHEP (intermediate)	10	10%	250	0	0	25	250	10%	250	0	0	25	250
Dhansiri HEP	10	10%	104	0	0	10	104	10%	104	0	0	10	104
Setting up of a 200MW (CC	10	10%	15	0	0	2	15	10%	15	0	0	2	15
Borgolai	10	10%	425	0	0	43	425	10%	425	0	0	43	425
Revival of TPS	10	10%	74	0	0	7	74	10%	74	0	0	7	74
Development of Amguri	10	10%	50	0	0	5	50	10%	50	0	0	5	50
EAP consulting service	10	10%	37	0	0	4	37	10%	37	0	0	4	37
Golaghat	10	10%	37	0	0	4	37	10%	37	0	0	4	37
Boundary wall of Jagiroad	10	10%	54	0	0	5	54	10%	54	0	0	5	54
Station heat Rate	10	10%	31325	0	0	3133	31325	10%	31325	0	0	3133	31325
Solar NTPS	10	10%	404	0	0	40	404	10%	404	0	0	40	404
Disaster	0	10%	2	0	0	0	2	10%	2	0	0	0	2
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>61052</b>	<b>1118</b>	<b>0</b>	<b>6104</b>	<b>62170</b>	<b>0%</b>	<b>62170</b>	<b>29</b>	<b>0</b>	<b>6216</b>	<b>62176</b>
<b>C II GOA -Loans (Source AD</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
LRPP	0	10%	2444	0	0	244	2444	10%	2444	0	0	244	2444
ADB Consultancy	0	10%	46	0	0	5	46	10%	46	0	0	5	46
Lower Kopili HEP	0	10%	140	0	0	14	140	10%	140	0	0	14	140
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>2630</b>	<b>0</b>	<b>0</b>	<b>263</b>	<b>2630</b>	<b>0%</b>	<b>2630</b>	<b>0</b>	<b>0</b>	<b>263</b>	<b>2630</b>
<b>D Other Interest &amp; Finance Charges</b>													
Cost of raising Finance / Bank Charges	0	0%	0	0	0	4	0	0%	0	0	0	0	0
Interest on Security Deposit	0	0%	0	0	0	0	0	0%	0	0	0	0	0
Penal Interest Charges	0	0%	0	0	0	0	0	0%	0	0	0	0	0
Lease Rentals	0	0%	0	0	0	0	0	0%	0	0	0	0	0
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>E Grand Total Of Interest &amp; Finance Charges (A + B + C+ D)</b>	<b>0</b>	<b>0%</b>	<b>100174</b>	<b>3756</b>	<b>-4518</b>	<b>10738</b>	<b>99412</b>	<b>0%</b>	<b>99412</b>	<b>17355</b>	<b>-4313</b>	<b>11512</b>	<b>112431</b>

Name of Company: Assam Po														
Name of Plant/ Station: Namr														
Is computation of Interest on loan														
Loan Details	Loan Tenure (yrs)	2020-21						2021-22						
		Actual						Estimated						
		Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	
F														
	Less: Interest & Finance Charges Capitalised	0	0%	0	0	0	4247	0	0%	0	0	0	0	0
	<b>Net Total Of Interest &amp; Finance Charges (E-F)</b>	<b>0</b>	<b>0%</b>	<b>100174</b>	<b>3756</b>	<b>-4518</b>	<b>6491</b>	<b>99412</b>	<b>11%</b>	<b>99412</b>	<b>17355</b>	<b>-4313</b>	<b>11512</b>	<b>112431</b>

Name of Company: Assam Power Corporation Limited													
Name of Plant/ Station: Namrup													
Is computation of Interest on													
Loan Details	Loan Tenure (yrs)	2022-23							2023-24				
		Projected							Projected				
		Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance
<b>A Secured Loans</b>													
<b>I PFC Loans</b>													
KLHEP	15	12%	0	0	0	0	0	12%	0	0	0	0	0
NTPS(R&M)	13	0%	0	0	0	0	0	0%	0	0	0	0	0
LTPS(R&M)	20	13%	1760	0	-1335	144	425	13%	425	0	-425	28	0
NRPP	15	12%	45865	0	-2556	5432	43309	12%	43309	0	-2556	5121	40753
<b>Sub-total</b>	<b>0</b>	<b>12%</b>	<b>47625</b>	<b>0</b>	<b>-3891</b>	<b>5576</b>	<b>43734</b>	<b>12%</b>	<b>43734</b>	<b>0</b>	<b>-2981</b>	<b>5148</b>	<b>40753</b>
<b>B Unsecured Loans</b>													
<b>I GOA -Loans</b>													
Rural electrification	10	10%	10	0	0	1	10	10%	10	0	0	1	10
NRPP Ph-I	10	10%	1013	95	0	106	1107	10%	1107	107	0	116	1214
LWHRP	10	10%	886	0	0	89	886	10%	886	0	0	89	886
Lower Kopili HEP	10	10%	1975	0	0	198	1975	10%	1975	0	0	198	1975
R&M NTPS	10	10%	5046	172	0	513	5218	10%	5218	157	0	530	5375
R&M LTPS	10	10%	4755	1802	0	566	6558	10%	6558	1649	0	738	8206
LRPP	10	10%	153	85	0	20	238	10%	238	80	0	28	318
Lungnit SHEP	10	10%	400	0	0	40	400	10%	400	0	0	40	400
Myntriang SHEP	10	10%	1470	0	0	147	1470	10%	1470	0	0	147	1470
LTPS, Ph-II	10	10%	1805	0	0	181	1805	10%	1805	0	0	181	1805
Development of SHEP	10	10%	100	0	0	10	100	10%	100	0	0	10	100
Survey & Investigation of HE	10	10%	70	0	0	7	70	10%	70	0	0	7	70
Non-Conventional source of	10	10%	40	0	0	4	40	10%	40	0	0	4	40
KLHEP	10	10%	11460	2065	0	1249	13525	10%	13525	1795	0	1442	15320
KLHEP (upper)	10	10%	215	0	0	22	215	10%	215	0	0	22	215
KLHEP (intermediate)	10	10%	250	0	0	25	250	10%	250	0	0	25	250
Dhansiri HEP	10	10%	104	0	0	10	104	10%	104	0	0	10	104
Setting up of a 200MW (CC	10	10%	15	0	0	2	15	10%	15	0	0	2	15
Borgolai	10	10%	425	0	0	43	425	10%	425	0	0	43	425
Revival of TPS	10	10%	74	0	0	7	74	10%	74	0	0	7	74
Development of Amguri	10	10%	50	0	0	5	50	10%	50	0	0	5	50
EAP consulting service	10	10%	37	0	0	4	37	10%	37	0	0	4	37
Golaghat	10	10%	37	0	0	4	37	10%	37	0	0	4	37
Boundary wall of Jagiroad	10	10%	54	0	0	5	54	10%	54	0	0	5	54
Station heat Rate	10	10%	31325	0	0	3133	31325	10%	31325	0	0	3133	31325
Solar NTPS	10	10%	404	0	0	40	404	10%	404	0	0	40	404
Disaster	0	10%	2	0	0	0	2	10%	2	0	0	0	2
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>62176</b>	<b>0</b>	<b>0</b>	<b>6429</b>	<b>66395</b>	<b>0%</b>	<b>66395</b>	<b>3788</b>	<b>0</b>	<b>6829</b>	<b>70183</b>
<b>C II GOA -Loans (Source AD</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
LRPP	0	10%	2444	0	0	244	2444	10%	2444	0	0	244	2444
ADB Consultancy	0	10%	46	0	0	5	46	10%	46	0	0	5	46
Lower Kopili HEP	0	10%	140	0	0	14	140	10%	140	0	0	14	140
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>2630</b>	<b>0</b>	<b>0</b>	<b>263</b>	<b>2630</b>	<b>0%</b>	<b>2630</b>	<b>0</b>	<b>0</b>	<b>263</b>	<b>2630</b>
<b>D Other Interest &amp; Finance Charges</b>													
Cost of raising Finance / Bank Charges	0	0%	0	0	0	0	0	0%	0	0	0	0	0
Interest on Security Deposit	0	0%	0	0	0	0	0	0%	0	0	0	0	0
Penal Interest Charges	0	0%	0	0	0	0	0	0%	0	0	0	0	0
Lease Rentals	0	0%	0	0	0	0	0	0%	0	0	0	0	0
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>E Grand Total Of Interest &amp; Finance Charges (A + B + C+ D)</b>	<b>0</b>	<b>0%</b>	<b>112431</b>	<b>0</b>	<b>-3891</b>	<b>12267</b>	<b>112759</b>	<b>0%</b>	<b>112759</b>	<b>3788</b>	<b>-2981</b>	<b>12240</b>	<b>113566</b>

Name of Company: Assam Po														
Name of Plant/ Station: Namr														
Is computation of Interest on I														
Loan Details	Loan Tenure (yrs)	2022-23						2023-24						
		Projected						Projected						
		Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	
F	Less: Interest & Finance Charges Capitalised	0	0%	0	0	0	0	0%	0	0	0	0	0	
	<b>Net Total Of Interest &amp; Finance Charges (E-F)</b>	<b>0</b>	<b>11%</b>	<b>112431</b>	<b>0</b>	<b>-3891</b>	<b>12267</b>	<b>112759</b>	<b>11%</b>	<b>112759</b>	<b>3788</b>	<b>-2981</b>	<b>12240</b>	<b>113566</b>



Name of Company: Assam Power Corporation Limited								
Name of Plant/ Station: Namrup								
This computation of Interest on							Form No: F24	
								Rs. Lakhs
Loan Details		Loan Tenure (yrs)	2024-25					Closing Balance
			Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	
<b>A Secured Loans</b>								
<b>I PFC Loans</b>								
	KLHEP	15	12%	0	0	0	0	0
	NTPS(R&M)	13	0%	0	0	0	0	0
	LTPS(R&M)	20	13%	0	0	0	0	0
	NRPP	15	12%	40753	0	-2556	4809	38197
	<b>Sub-total</b>	<b>0</b>	<b>12%</b>	<b>40753</b>	<b>0</b>	<b>-2556</b>	<b>4809</b>	<b>38197</b>
<b>B Unsecured Loans</b>								
<b>I GOA -Loans</b>								
	Rural electrification	10	10%	10	0	0	1	10
	NRPP Ph-I	10	10%	1214	505	0	147	1719
	LWHRP	10	10%	886	0	0	89	886
	Lower Kopili HEP	10	10%	1975	0	0	198	1975
	R&M NTPS	10	10%	5375	113	0	543	5489
	R&M LTPS	10	10%	8206	968	0	869	9174
	LRPP	10	10%	318	30	0	33	348
	Lungnit SHEP	10	10%	400	0	0	40	400
	Myntriang SHEP	10	10%	1470	0	0	147	1470
	LTPS, Ph-II	10	10%	1805	0	0	181	1805
	Development of SHEP	10	10%	100	0	0	10	100
	Survey & Investigation of HE	10	10%	70	0	0	7	70
	Non-Conventional source of	10	10%	40	0	0	4	40
	KLHEP	10	10%	15320	1310	0	1597	16630
	KLHEP (upper)	10	10%	215	0	0	22	215
	KLHEP (intermediate)	10	10%	250	0	0	25	250
	Dhansiri HEP	10	10%	104	0	0	10	104
	Setting up of a 200MW (CC	10	10%	15	0	0	2	15
	Borgolai	10	10%	425	0	0	43	425
	Revival of TPS	10	10%	74	0	0	7	74
	Development of Amguri	10	10%	50	0	0	5	50
	EAP consulting service	10	10%	37	0	0	4	37
	Golaghat	10	10%	37	0	0	4	37
	Boundary wall of Jagiroad	10	10%	54	0	0	5	54
	Station heat Rate	10	10%	31325	0	0	3133	31325
	Solar NTPS	10	10%	404	0	0	40	404
	Disaster	0	10%	2	0	0	0	2
	<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>70183</b>	<b>2926</b>	<b>0</b>	<b>7165</b>	<b>73109</b>
<b>C II GOA -Loans (Source AD</b>								
	LRPP	0	10%	2444	0	0	244	2444
	ADB Consultancy	0	10%	46	0	0	5	46
	Lower Kopili HEP	0	10%	140	0	0	14	140
	<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>2630</b>	<b>0</b>	<b>0</b>	<b>263</b>	<b>2630</b>
<b>D Other Interest &amp; Finance Charges</b>								
	Cost of raising Finance / Bank Charges	0	0%	0	0	0	0	0
	Interest on Security Deposit	0	0%	0	0	0	0	0
	Penal Interest Charges	0	0%	0	0	0	0	0
	Lease Rentals	0	0%	0	0	0	0	0
	<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>E Grand Total Of Interest &amp; Finance Charges (A + B + C+ D)</b>		<b>0</b>	<b>0%</b>	<b>113566</b>	<b>2926</b>	<b>-2556</b>	<b>12237</b>	<b>113936</b>

Name of Company: Assam Pot								
Name of Plant/ Station: Namr								
Its computation of Interest on I							Form No:	F24
								Rs. Lakhs
Loan Details		Loan Tenure (yrs)	2024-25					
			Projected					
			Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance
F	Less: Interest & Finance Charges Capitalised	0	0%	0	0	0	0	0
<b>Net Total Of Interest &amp; Finance Charges (E-F)</b>		<b>0</b>	<b>11%</b>	<b>113566</b>	<b>2926</b>	<b>-2556</b>	<b>12237</b>	<b>113936</b>



<b>Name of Company: Assam Power Generation Corp</b>									
<b>Name of Plant/ Station: Namrup Thermal Power Sta</b>									
<b>Working Capital Requirements</b>						<b>Form No: F26</b>			
	Particulars	Unit	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
			Actual	Actual	Actual	Estimated	Projected		
<b>For Open-cycle Gas Turbine/ Combined Cycle thermal generating stations</b>									
1	Fuel expenses for 1 month *	Rs Crore	7.93	6.74	3.66	2.64	3.82	3.82	3.82
2	Liquid fuel stock for 15 days*	Rs Crore	-	-					
3	Maintenance spares @ 30% of O&M	Rs Crore	12.10	10.97	10.82	7.31	6.26	6.54	6.84
4	O&M expenses for 1 month	Rs Crore	3.36	3.05	3.01	2.03	1.74	1.82	1.90
5	Receivables equivalent to 2 months of capacity and energy charge^	Rs Crore	24.07	19.83	14.11	10.12	12.64	12.38	12.41
<b>Total Working Capital Requirement</b>		Rs Crore	<b>47.46</b>	<b>40.58</b>	<b>31.59</b>	<b>22.09</b>	<b>24.46</b>	<b>24.56</b>	<b>24.98</b>
Rate of Interest #		%	12.20%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
<b>Interest on Normative Working Capital Requirement</b>		Rs Crore	<b>5.79</b>	<b>4.06</b>	<b>3.16</b>	<b>2.21</b>	<b>2.45</b>	<b>2.46</b>	<b>2.50</b>
* corresponding to target availability									
^ calculated on target availability									
# shall be equal to the interest rate equivalent to State Bank of India base rate as on 1st April of the respective year plus 350 basis points.									
							<b>Petitioner</b>		

<b>Name of Company: Assam Power Generation Corporation Limited</b>					
<b>Name of Plant/ Station: Namrup Thermal Power Station</b>					
<b>Detailed Information in respect of fuel for computation of Energy Charges</b>				<b>Form No: F27</b>	
<b>Particulars</b>		<b>Unit</b>	<b>Preceding 3rd Month*</b>	<b>Preceding 2nd Month*</b>	<b>Preceding 1st Month*</b>
1	Quantity of Coal/ Lignite supplied by Coal/ Lignite Company	MMT	Gas Price sheets included separately (Sheet:Gas Price)		
2	Adjustment (+/-) in quantity supplied made by Coal/ Lignite Company	MMT			
3	Coal supplied by Coal/ Lignite Company (1+2)	MMT			
4	Normative Transit & Handling Losses (For Coal/ Lignite Projects)	MMT			
5	Net coal / Lignite Supplied (3-4)	MMT			
6	Amount charged by the Coal /Lignite Company	Rs Lakhs			
7	Adjustment (+/-) in amount charged made by Coal/Lignite Company	Rs Lakhs			
8	Total amount Charged (6+7)	Rs Lakhs			
9	Transportation charges by rail/ship/road transport	Rs Lakhs			
10	Adjustment (+/-) in amount charged made by Railways/Transport Company	Rs Lakhs			
11	Demurrage Charges, if any	Rs Lakhs			
12	Cost of diesel in transporting coal through MGR system, if applicable	Rs Lakhs			
13	Total Transportation Charges (9+/-10-11+12)	Rs Lakhs			
14	Total amount Charged for coal/lignite supplied including Transportation (8+13)	Rs Lakhs			
15	Landed cost of coal/ Lignite	Rs./MT			
16	Blending Ratio (Domestic/Imported)				
17	Weighted average cost of coal/ Lignite for preceding three months	Rs./MT			
18	GCV of Domestic Coal as per bill of Coal Company				
19	GCV of Imported Coal as per bill Coal Company				
20	Weighted average GCV of coal/ Lignite as Billed	kCal/ kg			
21	GCV of Domestic Coal as received at Station				
22	GCV of Imported Coal as received at Station				
23	Weighted average GCV of coal/ Lignite as Received	kCal/ kg			
* From COD of 1/4/2016 as the case may be					
Similar details to be furnished for natural gas/liquid fuel for CCGT station and secondary fuel oil for coal/lignite based thermal plants					
<b>Petitioner</b>					

<b>Name of Company: Assam Power Generation Corporation L</b>								
<b>Name of Plant/ Station: Namrup Thermal Power Station</b>								
<b>Income Tax Provisions</b>								<b>Form No: F29</b>
								(Rs Crore)
		<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>	<b>2022-23</b>	<b>2023-24</b>	<b>2024-25</b>
		<b>Actual</b>	<b>Actual</b>	<b>Actual</b>	<b>Estimated</b>	<b>Projected</b>		
1	Income Tax on the Retun on Equity	0.00	0.00					
2	As Per Return Filed For The Year	1.66	0.21	0.00	0.00	0.00	0.00	0.00
3	As Assessed For The Year	0.00	0.00					
4	Credit/Debit Of Assessment Year(s) (Give Details)	0.00	0.00					
	<b>Total</b>	<b>1.66</b>	<b>0.21</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Note: 'Income Tax Provisions' details which could not be provided by the Generation Company at the time of this filing shall be furnished as and when they become due/ available.								

<b>Name of Company: Assam Power Genera</b>								
<b>Name of Plant/ Station: Namrup Thermal</b>								
<b>Non-Tariff Income</b>							<b>Form No: F30</b>	
							<b>(Rs Crore)</b>	
S. No.	Particulars	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
		Actual	Actual	Actual	Estimated	Projected		
<b>A</b>	<b>Income from Investment, Fixed &amp; Call Deposits</b>							
	Income from Investments:							
	Interest on securities							
	Interest on fixed deposits	15.89	14.01	6.93				
	Income on other investments							
	Interest from Banks	0.00	0.00	0.00				
	Interest on (any other items)							
	<b>Sub-Total</b>	<b>15.89</b>	<b>14.01</b>	<b>6.93</b>				
<b>B</b>	<b>Other Non-Tariff Income</b>							
	Interest on Loans and Advances to staff	0.00	0.00	0.00				
	Interest on Loans and Advances to Licensee							
	Interest on Loans and Advances to Lessors							
	Interest on Loans and Advances to Suppliers/ Contractors				7.13	7.13	7.13	7.13
	Income from trading	0.00	0.00	0.18				
	Gain on sale of Fixed Assets							
	Income/Fees /Collections against staff welfare activities:							
	Miscellaneous Receipts:	1.94	0.46	1.23				
	Delayed Payment charges from Beneficiaries		0.9618	0.20				
	Net profit from UI charges							
	Penalty for contractor/ supplier for delay etc							
	Misc Charges							
	<b>Sub-Total</b>	<b>1.94</b>	<b>1.43</b>	<b>1.62</b>				
	<b>Grand Total</b>	<b>17.83</b>	<b>15.44</b>	<b>8.54</b>	<b>7.13</b>	<b>7.13</b>	<b>7.13</b>	<b>7.13</b>

Namrup Thermal Power Station		2021-22 (from Oct 2021 onwards)	2022-23	2023-24	2024-25	Remarks
<b>A. Gas supplied by OIL, Duliajan (APM)</b>						
1.00	Basic Price (for G.C.V. 10000)/ 1000 SCM	5079.38	5079.38	5079.38	5079.38	As per new gas price implemented from Oct'21
2.00	Basic Price after adjustment with CV	4675.47	4675.47	4675.47	4675.47	
3.00	Marketing Margin (for NCV 10000) /1000 SCM	200.00	200.00	200.00	200.00	
4.00	Marketing Margin after adjustment with CV	165.88	165.88	165.88	165.88	
	<b>Total</b>	<b>4841.35</b>	<b>4841.35</b>	<b>4841.35</b>	<b>4841.35</b>	
5.00	VAT @ 14.5% on above	702.00	702.00	702.00	702.00	
	<b>Total (A)</b>	<b>5543.34</b>	<b>5543.34</b>	<b>5543.34</b>	<b>5543.34</b>	
<b>B. T.C. for Transportation of the OIL Gas by AGCL</b>						
1.00	T.C./ 1000 SCM @ Rs. 1.81 / MMBTU	70.14	72.24	74.41	76.64	
2.00	GST @ 12%	8.42	8.67	8.93	9.20	
	<b>Total (B)</b>	<b>78.56</b>	<b>8.67</b>	<b>8.93</b>	<b>9.20</b>	
<b>C. Landed price of gas supplied to NTPS (A+B)/ 1000 SCM</b>		<b>5621.90</b>	<b>5552.01</b>	<b>5552.27</b>	<b>5552.54</b>	
<b>Lakwa Thermal Power Station</b>		<b>2021-22 (from Oct 2021 onwards)</b>	<b>2022-23</b>	<b>2023-24</b>	<b>2024-25</b>	<b>Remarks</b>
<b>A. Gas supply by GAIL (APM)</b>						
1.00	Basic Price (for G.C.V. 10000)/ 1000 SCM	5079.38	5079.38	5079.38	5079.38	As per new gas price implemented from Oct'21
2.00	10% Royalty /1000 SCM	Included	Included	Included	Included	
	<b>Total</b>	<b>5079.38</b>	<b>5079.38</b>	<b>5079.38</b>	<b>5079.38</b>	
3.00	Basic Price after adjustment with CV	4860.79	4860.79	4860.79	4860.79	
4.00	Marketing Margin (for NCV 10000) /1000 SCM @ Rs. 5.04 / MMBTU	200.00	200.00	200.00	200.00	
5.00	Marketing Margin after adjustment with CV	172.71	172.71	172.71	172.71	
6.00	<b>Monthly Metering charge(Rs./ 1000 SCM)</b>	<b>24.67</b>	<b>25.41</b>	<b>26.17</b>	<b>26.95</b>	Yearly escalation 3% on TC as per agreement.
7.00	Sales Tax @ 14.5 % on above	733.43	733.54	733.65	733.77	
	<b>Landed price of gas supply to LTPS by GAIL / 1000 SCM(A)</b>	<b>5766.93</b>	<b>5767.04</b>	<b>5767.15</b>	<b>5767.26</b>	
<b>B. Gas supplied by OIL Duliajan (Non APM)</b>						
1.00	Basic Price (for G.C.V. 10000)/ 1000 SCM	8465.63	8465.63	8465.63	8465.63	As per new gas price implemented from Oct'21 - excluding North east discount as per contract
2.00	Basic Price after adjustment with CV	7792.45	7792.45	7792.45	7792.45	
3.00	Marketing Margin (for NCV 10000) /1000 SCM	200.00	200.00	200.00	200.00	
4.00	Marketing Margin after adjustment with CV	165.88	165.88	165.88	165.88	
	<b>Total</b>	<b>7958.33</b>	<b>7958.33</b>	<b>7958.33</b>	<b>7958.33</b>	
5.00	VAT @ 14.5 % on above	1153.96	1153.96	1153.96	1153.96	
	<b>Landed price of gas supply to LTPS by OIL (B)</b>	<b>9112.28</b>	<b>9112.28</b>	<b>9112.28</b>	<b>9112.28</b>	
<b>C. T.C for Transportation of OIL gas by AGCL</b>						
1.00	T.C./ 1000 SCM @ Rs. 1.81 / MMBTU	70.14	72.24	74.41	76.64	TC @ 3% escalation
2.00	GST @ 12% on TC	8.42	8.67	8.93	9.20	
	<b>Total T.C. (C)</b>	<b>78.56</b>	<b>80.91</b>	<b>83.34</b>	<b>85.84</b>	
<b>D. Landed price of gas supply to LTPS by OIL (B+C)/ 1000 SCM</b>		<b>9190.84</b>	<b>9193.20</b>	<b>9195.62</b>	<b>9198.13</b>	
<b>Wtd Avg landed price of LTPS gas</b>		<b>7935.55</b>	<b>7937.08</b>	<b>7938.66</b>	<b>7940.29</b>	



			Projections		
<b>OIL GAS for NTPS / NRPP</b>	<b>Unit</b>	<b>2021-22</b>	<b>2022-23</b>	<b>2023-24</b>	<b>2024-25</b>
Non-APM rate/MMBTU (effective from October of FY) and before discount of 40% of the price as per Pricing Policy of Gol	Rs./ MMBTU	2.90	2.90	2.90	2.90
Non-APM rate/MMBTU (effective from October of FY) and after discount of 40% of the price as per Pricing Policy of Gol	Rs./ MMBTU	1.74	1.74	1.74	1.74
Conversion factor	Factor	39.68	39.68	39.68	39.68
<b>\$ exchange rate for the month of September of Financial Year in Rs as obtained from RBI website</b>	<b>Rs per Dollar</b>	<b>73.56</b>	<b>73.56</b>	<b>73.56</b>	<b>73.56</b>
<b>Avg. GCV till September of Financial Year - OIL Gas for NTPS</b>	kcal / scm	9204.80	9204.80	9204.80	9204.80
<b>Avg. NCV till September of Financial year - OIL Gas for NTPS</b>	kcal / scm	<b>8294.06</b>	<b>8294.06</b>	<b>8294.06</b>	<b>8294.06</b>

LTPS			Projections		
<b>GAIL Gas for LTPS / LRPP</b>	<b>Unit</b>	<b>2021-22</b>	<b>2022-23</b>	<b>2023-24</b>	<b>2024-25</b>
<b>Avg. GCV till September of Financial Year</b>	kcal / scm	9569.65	9569.65	9569.65	9569.65
<b>Avg. NCV till September of Financial year</b>	kcal / scm	8635.56	8635.56	8635.56	8635.56
<b>Marketing Margin</b>	Rs / 1000 scm	<b>5.04</b>	<b>5.04</b>	<b>5.04</b>	<b>5.04</b>
<b>Monthly Metering charge(Rs./ 1000 SCM)</b>	Rs/ 1000 scm	24.67	25.41	26.17	26.95
GAIL Gas MMSCM received til September of the financial year in MMSCM	MMSCM	39.70	39.70	39.70	39.70
Oil Gas MMSCM received til September of the financial year in MMSCM	MMSCM	68.59	68.59	68.59	68.59

**Name of Company: Assam Power Generation Corporation Limited**  
**Name of Plant/ Station: Lakwa Thermal Power Station**

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13	Form	F9b	Break-up of Capital Cost for Gas/ Liquid fuel based Projects
14	Form	F9c	Break-up of Capital Cost for Hydro projects
15	Form	F9d	Break-up of Capital Cost for Plant & Equipment of New Hydro projects
16	Form	F10	Break-up of Construction/ Supply/ Service packages
17	Form	F11	Draw Down Schedule for Calculation of IDC & Financing Charges
18	Form	F12	Financial Package Upto CoD
19	Form	F13	Details of Project Specific Loans
20	Form	F14a	Calculation of Weighted Average Rate of Interest on Actual Loans
21	Form	F14b	Calculation of Interest on Normative Loan
22	Form	F15	Details of Allocation of corporate loans to various projects
23	Form	F16	Statement of Additional Capitalisation after COD
24	Form	F16a	Details of Assets De-capitalized during the period
25	Form	F17	Financing of Additional Capitalisation
26	Form	F18	Statement of Capital Cost
27	Form	F19	Statement of Capital Works in Progress
28	Form	F20	R&M Expenses
29	Form	F21	Employee Expenses
30	Form	F22	Administration & General Expenses
31	Form	F23	Fixed Assets and Depreciation
32	Form	F24	Details computation of Interest on Loan
33	Form	F25	Return on Equity
34	Form	F26	Working Capital Requirements
35	Form	F27	Detailed Information in respect of fuel for computation of Energy Charges
36	Form	F28	Expenses Capitalised
37	Form	F29	Income Tax Provisions
38	Form	F30	Non-Tariff Income

Instructions for the Applicant

- 1) Electronic copy in the form of CD/ Floppy Disc shall also be furnished
- 2) These formats are indicative in nature and the utility may align the line items to its chart of accounts

<b>Name of Company: Assam Power Generation Corporation Limited</b>									
<b>Name of Plant/ Station: Lakwa Thermal Power Station</b>									
<b>Annual Revenue Requirement Summary</b>								<b>Form No: F1</b>	
									<b>Rs Crore</b>
		<b>Form</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>	<b>2022-23</b>	<b>2023-24</b>	<b>2024-25</b>
			<b>Actual</b>	<b>Actual</b>	<b>Actual</b>	<b>Estimated</b>	<b>Projected</b>		
<b>A</b>	<b>Generation</b>								
1	Gross Generation (MU)	F4	472.09	362.01	447.57	397.90	425.74	425.74	425.74
2	Aux Consumption (%)	F4	10.3%	10.4%	8.3%	7.3%	5.5%	5.5%	5.5%
3	Net Generation (MU)	F4	423.49	324.39	410.61	368.74	402.32	402.32	402.32
<b>B</b>	<b>Capacity Charges (Annual Fixed Charges)</b>								
1	O&M expenses (including Increase in AERC Tariff Fees)								
a	Employee Expenses	F21	27.59	28.54	41.19	43.73	42.57	44.51	46.54
b	R & M Expense	F20	5.93	8.96					
c	A&G Expense	F22	5.01	4.02					
2	Depreciation	F23	11.25	11.15	11.45	11.47	11.64	11.28	11.53
3	Interest on Loans	F14B	0.25	0.03	0.18	0.18	0.35	0.97	1.15
4	Return on Equity	F25	22.18	22.18	22.18	22.18	22.18	22.18	22.18
5	Interest on Working Capital	F26	6.10	5.11	4.36	5.02	6.00	6.30	6.47
6	Income Tax	F29	2.28	0.41	0.00	0.00	0.00	0.00	0.00
7	Cost of secondary fuel (only for coal based stations)	F4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Special allowance in lieu of R&M or separate compensation allowance				0.00	5.00	15.00	26.05	28.80
9	Capacity Building		0.00	0.11	0.00	0.13	0.13	0.09	0.09
10	Less: Other Income	F30	-24.00	-25.37	-17.38	-9.22	-9.22	-9.22	-9.22
	<b>Total</b>		<b>56.60</b>	<b>55.15</b>	<b>61.98</b>	<b>78.50</b>	<b>88.66</b>	<b>102.18</b>	<b>107.55</b>
<b>C</b>	<b>Variable Charges (Energy Charges)</b>								
	Energy Charges from Primary Fuel (Rs Cr) <sup>C1, C2, C3, C4</sup>	F4	116.16	108.21	69.97	81.41	115.80	115.82	115.85
	Energy Charges from Primary Fuel (Rs/ kWh)	F4	2.74	3.34	1.70	2.21	2.88	2.88	2.88
			4.08	5.04	3.21	4.34	5.08	5.42	5.55
	C1 - If multifuel is used simultaneously, energy charges to be given in respect of every fuel individually								
	C2 - Energy charge shall be computed for open cycle operation and combined cycle operation separately in case of gas/ liquid fuel fired plants								
	C3 - Energy charge shall be worked out based on ex-bus energy scheduled to be sent out								
									<b>Petitioner</b>

Name of Company: Assam Power Generation								
Name of Plant/ Station: Lakwa Thermal Power								
Plant Characteristics-Thermal						Form No:		F2a
Unit(s)/ Block(s) Parameters	Unit I	Unit II	Unit III	Unit IV	Unit V	Unit VI	Unit VII	Unit VIII
Installed Capacity ( MW)	15	15	15	15	20	20	20	37.2
Schedule COD as per Investment Approval								30/06/2008
Actual COD /Date of Taken Over (as applicable)	30/07/1983	26/04/1981	08-02-81	28/11/1986	01-03-94	26/07/1994	24/05/1999	17/01/2012
Pit Head or Non Pit Head	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Name of the Boiler Manufacture	N/A	N/A	N/A	N/A	N/A	N/A	N/A	BHEL,TRICHI
Name of Turbine Generator Manufacture	Westinhouse Canada Ltd.	WCL	WCL	Mitsubishi Heavy Industries	BHEL HYD	BHEL HYD	BHEL HYD	BHEL HYDERABAD
Main Steams Pressure at Turbine inlet (kg/Cm2) abs <sup>1</sup> .	N/A	N/A	N/A	N/A	N/A	N/A	N/A	HP-60 Kg/CM <sup>2</sup> LP-4.5 Kg/CM <sup>2</sup>
Main Steam Temperature at Turbine inlet (oC) <sup>1</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	HP-460 <sup>o</sup> C LP-200 <sup>o</sup> C
Reheat Steam Pressure at Turbine inlet (kg/Cm2) <sup>1</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Reheat Steam Temperature at Turbine inlet (oC) <sup>1</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Main Steam flow at Turbine inlet under MCR condition (tons /hr) <sup>2</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	HP-122.84 TPH LP-31.64 TPH
Main Steam flow at Turbine inlet under VWO condition (tons /hr) <sup>2</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	HP-122.84 TPH LP-31.64 TPH
Unit Gross electrical output under MCR /Rated condition (MW) <sup>2</sup>	15	15	15	15	20	20	20	37.2
Unit Gross electrical output under VWO condition (MW) <sup>2</sup>	15	15	15	15	20	20	20	N/A
Guaranteed Design Gross Turbine Cycle Heat Rate (kCal/kWh) <sup>3</sup>	3513	3513	3513	3589	3292	3292	3292	N/A
Conditions on which design turbine cycle heat rate guaranteed	NCV	NCV	NCV	NCV	NCV	NCV	NCV	
% MCR	N/A	N/A	N/A	N/A	N/A	N/A	N/A	100%
% Makeup Water Consumption	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.72%
Design Capacity of Make up Water System	N/A	N/A	N/A	N/A	N/A	N/A	N/A	256 m <sup>3</sup> /hr
Design Capacity of Inlet Cooling System	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8700 TPH
Design Cooling Water Temperature (OC)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	32 <sup>o</sup> C
Back Pressure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.098 Kg/cm <sup>2</sup> (ABS)
Steam flow at super heater outlet under BMCR condition (tons/hr)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	HP-123.6 TPH LP-33 TPH
Steam Pressure at super heater outlet under BMCR condition) (kg/Cm2)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	HP-63 Kg/CM <sup>2</sup> LP-5 Kg/CM <sup>2</sup>
Steam Temperature at super heater outlet under BMCR condition (OC)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	HP-463 <sup>o</sup> C LP-202 <sup>o</sup> C
Steam Temperature at Reheater outlet at BMCR condition (OC)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Design / Guaranteed Boiler Efficiency (%) <sup>4</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	78.16%
Design Fuel with and without Blending of domestic/imported coal	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Type of Cooling Tower	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Mechanical Draft Cooling Tower
Type of cooling system <sup>5</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Induced draft cooling
Type of Boiler Feed Pump <sup>6</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Motor driver
Fuel Details <sup>7</sup>								
-Primary Fuel	Natural gas	Natural gas	Natural gas	Natural gas	Natural gas	Natural gas	Natural gas	Flue gas of GT #5,#6,#7 of LTPS
-Secondary Fuel	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
-Alternate Fuels	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Special Features/ Site Specific Features <sup>8</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Intake Water pump house
Special Technological Features <sup>9</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Environmental Regulation related features <sup>10</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Any other special features	N/A							
1: At Turbine MCR condition.								
2: with 0% (Nil) make up and design Cooling water temperature								
3: at TMCR output based on gross generation, 0% (Nil) makeup and design Cooling water temperature.								
4: With Performance coal based on Higher Heating Value (HHV) of fuel and at BMCR) out put								
5: Closed circuit cooling, once through cooling, sea cooling, natural draft cooling, induced draft cooling etc.								
6: Motor driven, Steam turbine driven etc.								
7: Coal or natural gas or Naptha or lignite etc.								
8: Any site specific feature such as Merry-Go-Round, Vicinity to sea, Intake /makeup water systems etc. scrubbers etc. Specify all such features								
9: Any Special Technological feature like Advanced class FA technology in Gas Turbines, etc.								
10: Environmental Regulation related features like FGD, ESP etc.,								
Note 1: In case of deviation from specified conditions in Regulation, correction curve of manufacturer may also be submitted.								
Note 2: Heat Balance Diagram has to be submitted along with above information in case of new stations.								
Note 3: The Terms – MCR, BMCR, HHV, Performance coal, are as defined in CEA Technical Standards for Construction of Electric Plants and Electric Lines Regulations – 2010 notified by the Central Electricity								
	<b>Petitioner</b>							



<b>Name of Company: Assam Power Generation Corporation</b>									
<b>Name of Plant/ Station: Lakwa Thermal Power Station</b>									
<b>Generation Details and Variable Cost</b>								<b>Form No: F4</b>	
	<b>Particulars</b>	<b>Unit</b>	<b>2018-19 Actual</b>	<b>2019-20 Actual</b>	<b>2020-21 Actual</b>	<b>2021-22 Estimated</b>	<b>2022-23 2023-24 2024-25 Projected</b>		
1	Installed Capacity	MW	127.20	97.20	97.20	97.20	97.20	97.20	97.20
2	Plant Load Factor	%	51.54%	40.21%	51.03%	45.84%	66.00%	66.00%	66.00%
3	Gross Generation	MU	472.09	362.01	447.57	397.90	425.74	425.74	425.74
4	Auxiliary Consumption	%	10.30%	10.39%	8.26%	7.33%	5.50%	5.50%	5.50%
5	Auxiliary Consumption	MU	48.603	37.612	36.959	29.163	23.415	23.415	23.415
6	Net Generation	MU	423.488	324.393	410.61	368.74	402.32	402.32	402.32
7	Station Heat Rate	kCal/ kWh	2812	3397	2502	2789	3200	3200	3200
	<b>Primary Fuel Consumption (Gas/ LNG/ Liquid)</b>								
16	GCV of Gas/ LNG/ Liquid Fuel	kCal/ SCM	9154.40	9388.83	9281.86	9337.66	9337.66	9337.66	9337.66
17	Quantity of Gas/ LNG/ Liquid Fuel	MMSCM	145.00	130.96	120.64	118.84	145.90	145.90	145.90
18	Specific Fuel Consumption	SCM/ kWh	0.31	0.36	0.27	0.30	0.34	0.34	0.34
19	Rate of Gas/ LNG/ Liquid Fuel	Rs/ SCM	8.01	8.26	5.80	6.47	7.94	7.94	7.94
20	Cost of Gas/ LNG/ Liquid Fuel	Rs. Lakhs	11616.32	10821.50	6996.51	8141.34	11580.12	11582.42	11584.79
	<b>Primary Fuel Cost (Coal/ Lignite)</b>	<b>Rs Lakhs</b>							
	<b>Primary Fuel Cost (Gas/ LNG/ Liquid)</b>	<b>Rs Lakhs</b>	<b>11616.32</b>	<b>10821.50</b>	<b>6996.51</b>	<b>8141.34</b>	<b>11580.12</b>	<b>11582.42</b>	<b>11584.79</b>
	<b>Secondary Fuel Cost</b>	<b>Rs Lakhs</b>							
<b>C</b>	<b>Variable Charges (Energy Charges)</b>								
	Energy Charges from Primary Fuel (Coal/ Lignite)	Rs/ kWh							
	Energy Charges from Primary Fuel (Gas/ LNG/ Liquid)	Rs/ kWh	2.74	3.34	1.70	2.21	2.88	2.88	2.88
									<b>Petitioner</b>

Name of Company: Assam Power Generation Corporation Limited  
Name of Plant/ Station: Lakwa Thermal Power Station

Abstract of admitted Capital Cost for the existing Project

Form No:

F5

	Particulars	Unit	Details
	<b>Last date of order of Commission for the project as on 31.03.2020</b>		
1	Capital Cost as admitted by AERC	Rs Lakhs	<b>48089</b>
2	Amount of un-discharged liabilities included in above (& forming part of admitted capital cost)	Rs Lakhs	<b>NIL</b>
3	Amount of un-discharged liabilities corresponding to above admitted capital cost (but not forming part of admitted capital cost being allowed on cash basis)	Rs Lakhs	<b>NIL</b>
4	Gross Normative Debt	Rs Lakhs	<b>27231</b>
5	Cumulative Repayment	Rs Lakhs	<b>29891.00</b>
6	Net Normative Debt	Rs Lakhs	<b>-2660.00</b>
7	Normative Equity	Rs Lakhs	<b>14308</b>
8	Cumulative Depreciation	Rs Lakhs	<b>29891.00</b>
9	Freehold land	Rs Lakhs	<b>NIL</b>

Petitioner

**Name of Company: Assam Power Generation Corporation**  
**Name of Plant/ Station: Lakwa Thermal Power Station**

**Statement showing claimed capital cost**

**Form No: F5a**

	<b>Particulars</b>	<b>Unit</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>	<b>2022-23</b>	<b>2023-24</b>	<b>2024-25</b>
1	Opening Capital Cost	Rs Lakhs	<b>47,851.06</b>	<b>48,252.52</b>	48586.52	50059.88	50059.88	51861.98	53510.92
2	Add: Addition during the year / period	Rs Lakhs	<b>36.55</b>	<b>338.07</b>	1473.35	0.00	1802.10	1648.94	967.90
3	Less: Decapitalisation during the year / period	Rs Lakhs	0	0	0.00	0.00	0.00	0.00	0.00
4	Less: Reversal during the year / period	Rs Lakhs	364.46	0.00					
5	Add: Discharges during the year / period	Rs Lakhs	0	0					
6	Closing Capital Cost	Rs Lakhs	<b>48,252.07</b>	<b>48,590.59</b>	50059.88	50059.88	51861.98	53510.92	54478.82
7	Average Capital Cost	Rs Lakhs	48,051.57	48,421.56	49323.20	50059.88	50960.93	52686.45	53994.87

**Petitioner**



Name of Company: Assam Power Generat

Name of Plant/ Station: Lakwa Thermal Pc

Details of Project Specific Loans

Form No:

F13

Rs. Lakhs

Particulars	LTPS	LTPS	Package 3	Package 4	Package 5	Package 6
Source of Loan <sup>1</sup>	I GOA -Loans	PFC loan				
Currency <sup>2</sup>	INR	INR				
Amount of Loan sanctioned	24333	4429.96				
Amount of Gross Loan drawn upto 31.03.2021 COD <sup>3,4,5,13,15</sup>	24968	3095.03				
Interest Type <sup>6</sup>	Fixed	Floating				
Fixed Interest Rate, if applicable	10%	13.16%				
Base Rate, if Floating Interest <sup>7</sup>						
Margin, if Floating Interest <sup>8</sup>	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
Are there any Caps/Floor <sup>9</sup>						
If above is yes,specify caps/floor						
Moratorium Period <sup>10</sup>						
Moratorium effective from						
Repayment Period <sup>11</sup>						
Repayment effective from						
Repayment Frequency <sup>12</sup>						
Repayment Instalment <sup>13,14</sup>						
Base Exchange Rate <sup>16</sup>						
Are foreign currency loan hedged?						
If above is yes,specify details <sup>17</sup>						

Note:

<sup>1</sup> Source of loan means the agency from whom the loan has been taken such as WB, ADB, WMB, PNB, SBI, ICICI, IFC, PFC etc.

<sup>2</sup> Currency refers to currency of loan such as US\$, DM, Yen, Indian Rupee etc.

<sup>3</sup> Details are to be submitted as on 31.03.2015 for existing assets and as on COD for the remaining assets.

<sup>4</sup> Where the loan has been refinanced, details in the Form is to be given for the loan refinanced. However, the details of the original loan is to be given separately in the same form.

<sup>5</sup> If the Tariff in the petition is claimed separately for various units, details in the Form is to be given separately for all the units in the same form.

<sup>6</sup> Interest type means whether the interest is fixed or floating.

<sup>7</sup> Base rate means the base as PLR, LIBOR etc. over which the margin is to be added. Applicable base rate on different dates from the date of draw may also be enclosed.

<sup>8</sup> Margin means the points over and above the floating rate.

<sup>9</sup> At times caps/ floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.

<sup>10</sup> Moratorium period refers to the period during which loan servicing liability is not required.

<sup>11</sup> Repayment period means the repayment of loan such as 7 years, 10 years, 25 years etc.

<sup>12</sup> Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual, etc.

<sup>13</sup> Where there is more than one drawal/repayment for a loan, the date & amount of each drawal/repayment may also be given separately

<sup>14</sup> If the repayment instalment amount and repayment date can not be worked out from the data furnished above, the repayment schedule to be

<sup>15</sup> In case of Foreign loan, date of each drawal & repayment alongwith exchange rate at that date may be given.

<sup>16</sup> Base exchange rate means the exchange rate prevailing as on 31.03.2015 for existing assets and as on COD for the remaining assets.

<sup>17</sup> In case of hedging, specify details like type of hedging, period of hedging, cost of hedging, etc.

<sup>18</sup> In case of foreign loans, provide details of exchange rate considered on date of each repayment of principal and date of interest payment.

<sup>19</sup> At the time of truing up rate of interest with relevant reset date (if any) to be furnished separately.

<sup>20</sup> At the time of truing up provide details of refinancing of loans considered earlier. Details such as date on which refinancing done, amount of refinanced loan, terms and conditions of refinanced loan, financing and other charges incurred for refinancing etc.

Petitioner

<b>Name of Company: Assam Power Generation Corporation</b>								
<b>Name of Plant/ Station: Lakwa Thermal Power Station</b>								
<b>Calculation of Weighted Average Rate of Interest on Actual Loans</b>							Form No:	F14a
	<b>Particulars</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>	<b>2022-23</b>	<b>2023-24</b>	<b>Rs. Crores</b>
		<b>Actual</b>	<b>Actual</b>	<b>Actual</b>	<b>Estimated</b>	<b>Projected</b>		
	<b>Loan-1 from PFCL</b>							
	Gross loan - Opening							
	Cumulative repayments of Loans upto previous year							
	Net loan - Opening	414.02	387.03	364.92	346.12	476.25	437.34	407.53
	Add: Drawal(s) during the Year	0.00	21.28	26.38	173.26	0.00	0.00	0.00
	Less: Repayment (s) of Loans during the year	32.08	43.39	45.18	43.13	38.91	29.81	25.56
	Net loan - Closing	381.94	364.92	346.12	476.25	437.34	407.53	381.97
	Average Net Loan	397.98	375.97	355.52	411.19	456.80	422.44	394.75
	Rate of Interest on Loan on annual basis	11.64%	11.54%	11.97%	14.54%	11.71%	11.77%	11.80%
	Interest on loan	48.20	44.68	43.66	50.33	55.76	51.48	48.09
	<b>Loan-2 Govt. of Assam</b>							
	Gross loan - Opening							
	Cumulative repayments of Loans upto previous year							
	Net loan - Opening	206.75	239.80	278.95	603.22	603.28	645.47	683.35
	Add: Drawal(s) during the Year	27.98	9.98	-18.26	0.29	42.19	37.88	29.26
	Less: Repayment (s) of Loans during the year	-10.39	-21.69	-23.51	0.00	0.00	0.00	0.00
	Net loan - Closing	245.12	271.48	284.20	603.51	645.47	683.35	712.61
	Average Net Loan	225.93	255.64	281.57	603.37	624.38	664.41	697.98
	Rate of Interest on Loan on annual basis	6.93%	7.61%	7.55%	10.00%	10.35%	10.29%	10.21%
	Interest on loan	14.33	18.25	21.06	60.31	62.44	66.44	69.80
	<b>Total Loan</b>							
	Gross loan - Opening							
	Cumulative repayments of Loans upto previous year							
	Net loan - Opening	620.77	626.83	643.87	949.34	1079.53	1082.81	1090.88
	Add: Drawal(s) during the Year	27.98	31.26	8.13	173.55	42.19	37.88	29.26
	Less: Repayment (s) of Loans during the year	21.69	21.69	21.67	43.13	38.91	29.81	25.56
	Net loan - Closing	627.05	636.40	630.32	1079.76	1082.81	1090.88	1094.58
	Average Net Loan	623.91	631.61	637.09	1014.55	1081.17	1086.85	1092.73
	Interest on loan	62.53	62.93	64.73	110.64	118.19	117.93	117.89
	<b>Weighted average Rate of Interest on Loans</b>	10.07%	10.04%	10.16%	10.91%	10.93%	10.85%	10.79%
	Note:							
	1. In case of Foreign Loans, the calculations in Indian Rupees is to be furnished. However, the calculations in Original currency is also to be furnished separately in the same form.							
							<b>Petitioner</b>	



Name of Company: Assam Power Gene

Name of Plant/ Station: Lakwa Thermal

Details of Allocation of corporate loans to various projects

Form No: F15

Rs. Lakhs

Particulars	Rural electrification	Non-Conventional source of energy	Development of Amguri	LTPS(R&M)	Station heat Rate	Package 6
Source of Loan <sup>1</sup>	I GOA -Loans	I GOA -Loans	I GOA -Loans	I PFC Loans	I GOA -Loans	
Currency <sup>2</sup>	INR	INR	INR	INR	INR	
Amount of Loan sanctioned	10.00	40.00	50.00	4429.96	17369.02	
Amount of Gross Loan drawn upto 31.03.2021/ COD <sup>3,4,5,13,15</sup>	10.00	40.00	50.00	3095.03	17369.02	
Interest Type <sup>6</sup>						
Fixed Interest Rate, if applicable	10%	10%	10%	13.16%	10%	
Base Rate, if Floating Interest <sup>7</sup>						
Margin, if Floating Interest <sup>8</sup>	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
Are there any Caps/Floor <sup>9</sup>						
If above is yes,specify caps/floor						
Moratorium Period <sup>10</sup>						
Moratorium effective from						
Repayment Period <sup>11</sup>						
Repayment effective from						
Repayment Frequency <sup>12</sup>						
Repayment Instalment <sup>13,14</sup>						
Base Exchange Rate <sup>16</sup>						
Are foreign currency loan hedged?						
If above is yes,specify details <sup>17</sup>						

Distribution of loan packages to various projects

Name of the Projects						Total
Project 1						
Project 2						
Project 3 and so on						

Note:

<sup>1</sup> Source of loan means the agency from whom the loan has been taken such as WB, ADB, WMB, PNB, SBI, ICICI, IFC, PFC etc.

<sup>2</sup> Currency refers to currency of loan such as US\$, DM, Yen, Indian Rupee etc.

<sup>3</sup> Details are to be submitted as on 31.03.2015 for existing assets and as on COD for the remaining assets.

<sup>4</sup> Where the loan has been refinanced, details in the Form is to be given for the loan refinanced. However, the details of the original loan is to be given separately in the same form.

<sup>5</sup> If the Tariff in the petition is claimed separately for various units, details in the Form is to be given separately for all the units in the

<sup>6</sup> Interest type means whether the interest is fixed or floating.

<sup>7</sup> Base rate means the base as PLR, LIBOR etc. over which the margin is to be added. Applicable base rate on different dates from the date of drawl may also be enclosed.

<sup>8</sup> Margin means the points over and above the floating rate.

<sup>9</sup> At times caps/ floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.

<sup>10</sup> Moratorium period refers to the period during which loan servicing liability is not required.

<sup>11</sup> Repayment period means the repayment of loan such as 7 years, 10 years, 25 years etc.

<sup>12</sup> Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual, etc.

<sup>13</sup> Where there is more than one drawal/repayment for a loan, the date & amount of each drawal/repayment may also be given

<sup>14</sup> If the repayment instalment amount and repayment date can not be worked out from the data furnished above, the repayment

<sup>15</sup> In case of Foreign loan, date of each drawal & repayment alongwith exchange rate at that date may be given.

<sup>16</sup> Base exchange rate means the exchange rate prevailing as on 31.03.2015 for existing assets and as on COD for the remaining

<sup>17</sup> In case of hedging, specify details like type of hedging, period of hedging, cost of heging, etc.

<sup>18</sup> In case of foreign loans, provide details of exchange rate considered on date of each repayment of principal and date of interest payment.

<sup>19</sup> At the time of truing up rate of interest with relevant reset date (if any) to be furnished separately.

<sup>20</sup> At the time of truing up provide details of refinancing of loans considered earlier. Details such as date on which refinancing done, amount of refinanced loan, terms and conditions of refinanced loan, financing and other charges incurred for refinancing etc.

Petitioner

Name of Company: Assam Power Generation C

Name of Plant/ Station: Lakwa Thermal Power

Statement of Additional Capitalisation after COD

Form No:

F16

Rs. Lakhs

No	Head of Work/ Equipment	Actual/ Projected additional capital expenditure claimed							Regulations under which claimed	Justification	Admitted Cost by Commission if any
		2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25			
1	Land	-	-	-	-	-	-	-			
2	Building	-	-	-	-	100.00	100.00	100.00			
3	Hydraulic works	-	-	-	-	-	-	-			
4	Other civil works	-	44.01	7.13	-	165.50	40.00	40.00			
5	Plant & machinery- Gas	36.55	275.45	1,461.73	-	1,536.60	1,508.94	827.90			
6	Plant & machinery- Hydel	-	-	-	-	-	-	-			
7	Lines & cables	-	-	-	-	-	-	-			
8	Vehicle	-	-	-	-	-	-	-			
9	Furniture	-	14.04	2.71	-	-	-	-			
10	Other office equipment	-	4.57	1.79	-	-	-	-			
11	Roads on land belonging to others	-	-	-	-	-	-	-			
12	Capital spares at Generating Stations	-	-	-	-	-	-	-			

Note:

- 1 Fill the form in chronological order year wise along with detailed justification clearly bring out the necessity and the benefits accruing to the beneficiaries.
- 2 In case initial spares are purchased alongwith any equipment, then the cost of such spares should be indicated separately. e.g. Rotor - 50 Crs. Initial spares- 5 Crs.
- 3 Actual/Projected additional capital expenditure claimed for past period shall be governed by Tariff Regulation for the relevant period

Petitioner

Name of Company: Assam Power Generation (

Name of Plant/ Station: Lakwa Thermal Power

Date of Commercial Operation:

Financing of Additional Capitalisation

Form No:

F17

Rs. Crore

Financial Year (Starting from COD)							
	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
Amount capitalised in Work/ Equipment							
Financing Details							
GOA Loan	0.37	3.38	14.73	0.00	18.02	16.49	9.68
Loan-2							
<b>Total Loan<sup>2</sup></b>	<b>0.37</b>	<b>3.38</b>	<b>14.73</b>	<b>0.00</b>	<b>18.02</b>	<b>16.49</b>	<b>9.68</b>
Grant	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Equity	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Internal Resources							
Others							
<b>Total</b>	<b>0.37</b>	<b>3.38</b>	<b>14.73</b>	<b>0.00</b>	<b>18.02</b>	<b>16.49</b>	<b>9.68</b>

<sup>1</sup> Year 1 refers to Financial Year of COD and Year 2, Year 3 etc. are the subsequent financial years respectively.

<sup>2</sup> Loan details for meeting the additional capitalisation requirement should be given as per Form 14 and Form 15 which

<b>Name of Company: Assam Power Generation Corporation Ltd</b>							
<b>Name of Plant/ Station: Lakwa Thermal Power Station</b>							
<b>Employee Expenses</b>						<b>Form No: F21</b>	
							Rs. Crore
	<b>Particulars</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>	<b>2022-23</b>	<b>2023-24</b>
		<b>Actual</b>	<b>Actual</b>	<b>Actual</b>	<b>Estimated</b>	<b>Projected</b>	
1	Salaries	20.23	16.83				
2	Additional Pay	-	-				
3	Dearness Allowance (DA)	1.34	2.07				
4	Other Allowances & Relief	1.61	1.93				
5	Addl. Pay & C.Off Encashment	-	-				
6	Interim Relief / Wage Revision	-	-				
7	Honorarium/Overtime	0.44	0.55				
8	Bonus/ Exgratia To Employees	0.02	0.01				
9	Medical Expenses Reimbursement	0.02	0.02				
10	Travelling Allowance(Conveyance Allowance)	-	-				
11	Leave Travel Assistance	0.01	0.00				
12	Earned Leave Encashment	0.61	2.60				
13	Payment Under Workman's Compensation And Gratuity	-	-				
14	Subsidised Electricity To Employees	-	-				
15	Any Other Item	-	-				
16	Staff Welfare Expenses	0.04	0.12				
	Capacity Building Expenses	-	-				
17	Apprentice And Other Training Expenses	-	-				
18	Contribution To Terminal Benefits	3.26	4.40				
19	Provident Fund Contribution	-	-				
20	Provision for PF Fund	-	-				
21	Any Other Items (ROP)	-	0.00				
	<b>Total Employee Costs</b>	<b>27.59</b>	<b>28.54</b>				
22	Less: Employee expenses capitalised	0.00	0.00				
	<b>Net Employee expenses (D)-(E)</b>	<b>27.59</b>	<b>28.54</b>				
							<b>Petitioner</b>

APGCL is claiming normative O&M expenses as a whole for FY2020-21 to FY2024-25. Breakup of Actual R&M, Employee Expenses and A&G expenses are shown in the Excel True Up 2020-21\_vfinal.xlsx - Sheet "O&M"







Name of Company: Assam Power Gen																
Name of Plant/ Station: Lakwa Thermal Power Station																
Fixed Assets and Depreciation															Form No:	F23
Rs. Crore																
Name of Asset	Depreciation rate <sup>1</sup>	2018-19 Actuals					2019-20 Actuals					2020-21 Actuals				
		Opening	Addition	Adjustment & Deduction	Depreciation	Closing	Opening	Addition	Adjustment & Deduction	Depreciation	Closing	Opening	Addition	Adjustment & Deduction	Depreciation	Closing
1 Land	0.00%	4.75	-	-	-	4.75	4.75	-	-	-	4.75	4.75	-	-	-	4.75
2 Building	3.34%	33.58	-	-	0.69	33.58	33.58	-	-	0.69	33.58	33.58	-	-	0.67	33.58
3 Hydraulic works	5.28%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4 Other civil works	3.34%	42.75	-	-	1.34	42.75	42.75	0.44	-	1.20	43.19	43.19	0.07	-	1.19	43.26
5 Plant & machinery- Gas	5.28%	272.19	0.37	-	9.40	272.56	272.56	2.75	-	9.47	275.32	275.31	14.62	-	9.80	289.93
6 Plant & machinery- Hydel	5.28%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7 Lines & cables	5.28%	9.29	-	-	0.38	9.29	9.29	-	-	0.31	9.29	9.29	-	-	0.30	9.29
8 Vehicle	9.50%	0.24	-	-	-	0.24	0.24	-	-	-	0.24	0.20	-	-	-	0.20
9 Furniture	6.33%	0.46	-	-	0.02	0.46	0.46	0.14	-	0.02	0.60	0.60	0.03	-	0.03	0.63
10 Other office equipment	6.33%	0.33	-	-	0.02	0.33	0.33	0.05	-	0.02	0.37	0.38	0.02	-	0.02	0.39
11 Roads on land belonging to others	3.34%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12 Capital spares at Generating Stations	5.28%	114.93	-	3.64	1.19	118.57	118.57	-	-	1.19	118.57	118.57	-	-	1.19	118.57
	0.00%	478.51	0.37	3.64	13.04	482.52	482.53	3.38	-	12.89	485.91	485.87	14.73	-	13.20	500.60
<b>Less: Depreciation on Grant</b>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Grant in Capital Asset</b>		-	-	-	65.50	-	-	-	-	65.50	-	-	-	-	65.50	-
<b>Rate of Depreciation</b>		-	-	-	0.03	-	-	-	-	0.03	-	-	-	-	0.03	-
<b>Depreciation on 90% of the Assets funded by Grants/subsidies</b>		-	-	-	1.78	-	-	-	-	1.74	-	-	-	-	1.75	-
<b>Net Depreciation</b>		-	-	-	11.25	-	-	-	-	11.15	-	-	-	-	11.45	-
<sup>1</sup> Depreciation Rates as per AERC's Depreciation Rate Schedule																
<sup>2</sup> Name of the the Assets should conform to the description of the assets mentioned in Depreciation schedule of AERC																
															<b>Petitioner</b>	

Name of Company: Assam Power Generation Corporation Limited																						
Name of Plant/ Station: Lakwa Thermal Power Station																						
Fixed Assets and Depreciation																				Form No:	F23	
																					Rs. Crore	
Name of Asset	Depreciation rate <sup>1</sup>	2021-22					2022-23					2023-24					2024-25					
		Estimated					Projected					Projected					Projected					
		Opening	Addition	Adjustment & Deduction	Depreciation	Closing	Opening	Addition	Adjustment & Deduction	Depreciation	Closing	Opening	Addition	Adjustment & Deduction	Depreciation	Closing	Opening	Addition	Adjustment & Deduction	Depreciation	Closing	
1 Land	0.00%	4.75	-	-	-	4.75	4.75	-	-	-	4.75	4.75	-	-	-	4.75	4.75	-	-	-	4.75	
2 Building	3.34%	33.58	-	-	0.67	33.58	33.58	1.00	-	0.69	34.58	34.58	1.00	-	0.70	35.58	35.58	1.00	-	0.72	36.58	
Hydraulic works	5.28%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other civil works	3.34%	43.26	-	-	1.19	43.26	43.26	1.66	-	1.22	44.91	44.91	0.40	-	1.23	45.31	45.31	0.40	-	1.23	45.71	
3 Plant & machinery-Gas	5.28%	289.93	-	-	9.80	289.93	289.93	15.37	-	10.20	305.30	305.30	15.09	-	10.60	320.39	320.39	8.28	-	10.82	328.66	
4 Plant & machinery-Hydel	5.28%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5 Lines & cables	5.28%	9.29	-	-	0.30	9.29	9.29	-	-	0.30	9.29	9.29	-	-	0.30	9.29	9.29	-	-	0.30	9.29	
6 Vehicle	9.50%	0.20	-	-	0.20	0.20	0.20	-	-	0.20	0.20	0.20	-	-	0.20	0.20	0.20	-	-	0.20	0.20	
7 Furniture	6.33%	0.63	-	-	0.03	0.63	0.63	-	-	0.03	0.63	0.63	-	-	0.03	0.63	0.63	-	-	0.03	0.63	
Other office equipment	6.33%	0.39	-	-	0.02	0.39	0.39	-	-	0.02	0.39	0.39	-	-	0.02	0.39	0.39	-	-	0.02	0.39	
Roads on land belonging to others	3.34%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Capital spares at Generating Stations	5.28%	118.57	-	-	1.19	118.57	118.57	-	-	0.90	118.57	118.57	-	-	-	118.57	118.57	-	-	-	118.57	
		500.60	-	-	13.20	500.60	500.60	18.02	-	13.36	518.62	518.62	16.49	-	12.88	535.11	535.11	9.68	-	13.12	544.79	
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	65.50	-	-	-	-	-	65.50	-	-	-	-	65.50	-	-	-	-	65.50	
		-	-	-	0.03	-	-	-	-	0.03	-	-	-	-	0.02	-	-	-	-	-	0.02	
		-	-	-	1.73	-	-	-	-	1.72	-	-	-	-	1.60	-	-	-	-	-	1.59	
		-	-	-	11.47	-	-	-	-	11.64	-	-	-	-	11.28	-	-	-	-	-	11.53	
<sup>1</sup> Depreciation Rates as per AERC's Depreciation Rate Schedule																						
<sup>2</sup> Name of the the Assets should conform to the description of the assets mentioned in Depreciation schedule of AERC																						
																				Petitioner		

Name of Company: Assam Power Corporation Limited													Name of Plant/ Station: Lakshmi		
Details computation of Interest on Loans													Details computation of Interest on Loans		
Loan Details	Loan Tenure (yrs)	2018-19						2019-20							
		Actual						Actual							
		Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance		
<b>A Secured Loans</b>															
<b>I PFC Loans</b>															
KLHEP	15	10%	3128.52	0.00	-834.27	267.52	2294.25	10%	2294	0	-834	190	1460		
NTPS(R&M)	13	0%	0.00	0.00	0.00	0.00	0.00	0%	0	0	0	0	0		
LTPS(R&M)	20	12%	7099.83	0.00	-1335.06	782.20	5764.77	12%	5765	0	-1335	611	4430		
NRPP	15	12%	31173.72	0.00	-1039.12	3769.92	30134.59	12%	30643	2128	-2169	3667	30602		
<b>Sub-total</b>	<b>0</b>	<b>12%</b>	<b>41402.07</b>	<b>0.00</b>	<b>-3208.46</b>	<b>4819.64</b>	<b>38193.61</b>	<b>12%</b>	<b>38703</b>	<b>2128</b>	<b>-4339</b>	<b>4468</b>	<b>36492</b>		
<b>B Unsecured Loans</b>															
<b>I GOA -Loans</b>															
Rural electrification	10	10%	10.00	0.00	0.00	1.00	10.00	10%	10	0	0	1	10		
NRPP Ph-I	10	10%	1472.50	0.00	0.00	147.25	1472.50	10%	1473	264	0	147	1737		
LWHRP	10	10%	886.30	0.00	0.00	88.63	886.30	10%	886	0	0	89	886		
Lower Kopili HEP	10	10%	1975.00	0.00	0.00	197.50	1975.00	10%	1975	0	0	198	1975		
R&M NTPS	10	10%	3374.26	735.00	0.00	337.54	4109.26	10%	4109	166	0	411	4275		
R&M LTPS	10	10%	2867.00	124.89	0.00	287.13	2991.89	10%	2992	1129	0	300	4121		
LRPP	10	10%	153.05	0.00	0.00	15.30	153.05	10%	153	0	0	15	153		
Lungnit SHEP	10	10%	400.00	0.00	0.00	40.00	400.00	10%	400	0	0	40	400		
Myntriang SHEP	10	10%	1165.19	0.00	0.00	116.52	1165.19	10%	1165	0	0	117	1165		
LTPS, Ph-II	10	10%	1805.00	0.00	0.00	180.50	1805.00	10%	1805	0	0	181	1805		
Development of SHEP	10	10%	100.00	0.00	0.00	10.00	100.00	10%	100	0	0	10	100		
Survey & Investigation of HE	10	10%	70.00	0.00	0.00	7.00	70.00	10%	70	0	0	7	70		
Non-Conventional source of	10	10%	40.00	0.00	0.00	4.00	40.00	10%	40	0	0	4	40		
KLHEP	10	10%	7867.48	1733.31	0.00	787.89	9600.80	10%	9601	1698	0	972	11299		
KLHEP (upper)	10	10%	215.00	0.00	0.00	21.50	215.00	10%	215	0	0	22	215		
KLHEP (intermediate)	10	10%	250.00	0.00	0.00	25.00	250.00	10%	250	0	0	25	250		
Dhansiri HEP	10	10%	104.00	0.00	0.00	10.40	104.00	10%	104	0	0	10	104		
Setting up of a 200MW (CC	10	10%	15.00	0.00	0.00	1.50	15.00	10%	15	0	0	2	15		
Borgolai	10	10%	425.00	0.00	0.00	42.50	425.00	10%	425	0	0	43	425		
Revival of TPS	10	10%	50.00	24.45	0.00	5.01	74.45	10%	74	0	0	7	74		
Development of Amguri	10	10%	50.00	0.00	0.00	5.00	50.00	10%	50	0	0	5	50		
EAP consulting service	10	10%	37.45	0.00	0.00	3.75	37.45	10%	37	0	0	4	37		
Golaghat	10	10%	37.00	0.00	0.00	3.70	37.00	10%	37	0	0	4	37		
Boundary wall of Jagiroad	10	10%	53.79	0.00	0.00	5.38	53.79	10%	54	0	0	5	54		
Station heat Rate	10	10%	31325.00	0.00	0.00	3132.50	31325.00	10%	31325	0	0	3133	31325		
Solar NTPS	10	10%	404.00	0.00	0.00	40.40	404.00	10%	404	0	0	40	404		
Disaster	0	0%	0.00	0.00	0.00	0.00	0.00	10%	0	2	0	0	2		
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>55152.02</b>	<b>2617.65</b>	<b>0.00</b>	<b>5516.90</b>	<b>57769.67</b>	<b>0%</b>	<b>57770</b>	<b>3260</b>	<b>0</b>	<b>5789</b>	<b>61029</b>		
<b>C II GOA -Loans (Source AD</b>	<b>0</b>	<b>0%</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		
LRPP	0	10%	2161.49	155.85	0.00	227.80	2317.34	10%	2317	126	0	242	2444		
ADB Consultancy	0	10%	37.61	1.53	0.00	3.83	39.13	10%	39	7	0	4	46		
Lower Kopili HEP	0	10%	7.83	74.54	0.00	5.33	82.36	10%	82	58	0	12	140		
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>2206.92</b>	<b>231.91</b>	<b>0.00</b>	<b>236.95</b>	<b>2438.83</b>	<b>0%</b>	<b>2439</b>	<b>191</b>	<b>0</b>	<b>258</b>	<b>2630</b>		
<b>D Other Interest &amp; Finance Charges</b>															
Cost of raising Finance / Bank Charges	0	0%	0.00	0.00	0.00	5.18	0.00	0%	0	0	0	7	0		
Interest on Security Deposit	0	0%	0.00	0.00	0.00	0.00	0.00	0%	0	0	0	0	0		
Penal Interest Charges	0	0%	0.00	0.00	0.00	0.00	0.00	0%	0	0	0	0	0		
Lease Rentals	0	0%	0.00	0.00	0.00	0.00	0.00	0%	0	0	0	0	0		
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5.18</b>	<b>0.00</b>	<b>0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>0</b>		
<b>E Grand Total Of Interest &amp; Finance Charges (A + B + C+ D)</b>	<b>0</b>	<b>0%</b>	<b>98761.01</b>	<b>2849.56</b>	<b>-3208.46</b>	<b>10578.67</b>	<b>98402.11</b>	<b>0%</b>	<b>98911</b>	<b>5578</b>	<b>-4339</b>	<b>10522</b>	<b>100151</b>		

Name of Company: Assam Power Corporation Limited														
Name of Plant/ Station: Lakshmi Narayan														
Details computation of Interest on							Details computation of Interest on							
Loan Details	Loan Tenure (yrs)	2018-19						2019-20						
		Actual						Actual						
		Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	
F														
Less: Interest & Finance Charges Capitalised	0	0%	0.00	0.00	0.00	4251.48	0.00	0%	0	0	0	0	4193	0
<b>Net Total Of Interest &amp; Finance Charges (E-F)</b>	<b>0</b>	<b>0%</b>	<b>98761.01</b>	<b>2849.56</b>	<b>-3208.46</b>	<b>6327.20</b>	<b>98402.11</b>	<b>0%</b>	<b>98911</b>	<b>5578</b>	<b>-4339</b>	<b>6329</b>	<b>100151</b>	

Name of Company: Assam Power Corporation Limited													
Name of Plant/ Station: Lakshmi Narayan													
Is computation of Interest on Loan													
Loan Details	Loan Tenure (yrs)	2020-21						2021-22					
		Actual						Estimated					
		Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance
<b>A Secured Loans</b>													
<b>I PFC Loans</b>													
KLHEP	15	12%	1460	0	-832	126	628	12%	628	0	-628	38	0
NTPS(R&M)	13	0%	0	0	0	0	0	0%	0	0	0	0	0
LTPS(R&M)	20	13%	4430	0	-1335	495	3095	13%	3095	0	-1335	319	1760
NRPP	15	12%	30602	2638	-2351	3746	30890	12%	30890	17326	-2351	4675	45865
<b>Sub-total</b>	<b>0</b>	<b>12%</b>	<b>36492</b>	<b>2638</b>	<b>-4518</b>	<b>4366</b>	<b>34612</b>	<b>12%</b>	<b>34612</b>	<b>17326</b>	<b>-4313</b>	<b>5033</b>	<b>47625</b>
<b>B Unsecured Loans</b>													
<b>I GOA -Loans</b>													
Rural electrification	10	10%	10	0	0	1	10	10%	10	0	0	1	10
NRPP Ph-I	10	10%	1013	0	0	101	1013	10%	1013	0	0	101	1013
LWHRP	10	10%	886	0	0	89	886	10%	886	0	0	89	886
Lower Kopili HEP	10	10%	1975	0	0	198	1975	10%	1975	0	0	198	1975
R&M NTPS	10	10%	4999	47	0	500	5046	10%	5046	0	0	505	5046
R&M LTPS	10	10%	4121	635	0	413	4755	10%	4755	0	0	476	4755
LRPP	10	10%	153	0	0	15	153	10%	153	0	0	15	153
Lungnit SHEP	10	10%	400	0	0	40	400	10%	400	0	0	40	400
Myntriang SHEP	10	10%	1165	305	0	117	1470	10%	1470	0	0	147	1470
LTPS, Ph-II	10	10%	1805	0	0	181	1805	10%	1805	0	0	181	1805
Development of SHEP	10	10%	100	0	0	10	100	10%	100	0	0	10	100
Survey & Investigation of HE	10	10%	70	0	0	7	70	10%	70	0	0	7	70
Non-Conventional source of	10	10%	40	0	0	4	40	10%	40	0	0	4	40
KLHEP	10	10%	11299	131	0	1130	11430	10%	11430	29	0	1144	11460
KLHEP (upper)	10	10%	215	0	0	22	215	10%	215	0	0	22	215
KLHEP (intermediate)	10	10%	250	0	0	25	250	10%	250	0	0	25	250
Dhansiri HEP	10	10%	104	0	0	10	104	10%	104	0	0	10	104
Setting up of a 200MW (CC	10	10%	15	0	0	2	15	10%	15	0	0	2	15
Borgolai	10	10%	425	0	0	43	425	10%	425	0	0	43	425
Revival of TPS	10	10%	74	0	0	7	74	10%	74	0	0	7	74
Development of Amguri	10	10%	50	0	0	5	50	10%	50	0	0	5	50
EAP consulting service	10	10%	37	0	0	4	37	10%	37	0	0	4	37
Golaghat	10	10%	37	0	0	4	37	10%	37	0	0	4	37
Boundary wall of Jagiroad	10	10%	54	0	0	5	54	10%	54	0	0	5	54
Station heat Rate	10	10%	31325	0	0	3133	31325	10%	31325	0	0	3133	31325
Solar NTPS	10	10%	404	0	0	40	404	10%	404	0	0	40	404
Disaster	0	10%	2	0	0	0	2	10%	2	0	0	0	2
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>61052</b>	<b>1118</b>	<b>0</b>	<b>6104</b>	<b>62170</b>	<b>0%</b>	<b>62170</b>	<b>29</b>	<b>0</b>	<b>6216</b>	<b>62176</b>
<b>C II GOA -Loans (Source AD</b>													
LRPP	0	10%	2444	0	0	244	2444	10%	2444	0	0	244	2444
ADB Consultancy	0	10%	46	0	0	5	46	10%	46	0	0	5	46
Lower Kopili HEP	0	10%	140	0	0	14	140	10%	140	0	0	14	140
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>2630</b>	<b>0</b>	<b>0</b>	<b>263</b>	<b>2630</b>	<b>0%</b>	<b>2630</b>	<b>0</b>	<b>0</b>	<b>263</b>	<b>2630</b>
<b>D Other Interest &amp; Finance Charges</b>													
Cost of raising Finance / Bank Charges	0	0%	0	0	0	4	0	0%	0	0	0	0	0
Interest on Security Deposit	0	0%	0	0	0	0	0	0%	0	0	0	0	0
Penal Interest Charges	0	0%	0	0	0	0	0	0%	0	0	0	0	0
Lease Rentals	0	0%	0	0	0	0	0	0%	0	0	0	0	0
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>E Grand Total Of Interest &amp; Finance Charges (A + B + C+ D)</b>													
	<b>0</b>	<b>0%</b>	<b>100174</b>	<b>3756</b>	<b>-4518</b>	<b>10738</b>	<b>99412</b>	<b>0%</b>	<b>99412</b>	<b>17355</b>	<b>-4313</b>	<b>11512</b>	<b>112431</b>

Name of Company: Assam Po														
Name of Plant/ Station: Lakw														
Is computation of Interest on loan														
Loan Details	Loan Tenure (yrs)	2020-21						2021-22						
		Actual						Estimated						
		Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	
F	Less: Interest & Finance Charges Capitalised	0	0%	0	0	0	4247	0	0%	0	0	0	0	0
	<b>Net Total Of Interest &amp; Finance Charges (E-F)</b>	<b>0</b>	<b>0%</b>	<b>100174</b>	<b>3756</b>	<b>-4518</b>	<b>6491</b>	<b>99412</b>	<b>11%</b>	<b>99412</b>	<b>17355</b>	<b>-4313</b>	<b>11512</b>	<b>112431</b>

Name of Company: Assam Power Corporation Limited														
Name of Plant/ Station: Lakshmi Narayan														
Is computation of Interest on Interest														
Loan Details	Loan Tenure (yrs)	2022-23						2023-24						
		Projected						Projected						
		Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	
<b>A Secured Loans</b>														
<b>I PFC Loans</b>														
KLHEP	15	12%	0	0	0	0	0	12%	0	0	0	0	0	0
NTPS(R&M)	13	0%	0	0	0	0	0	0%	0	0	0	0	0	0
LTPS(R&M)	20	13%	1760	0	-1335	144	425	13%	425	0	-425	28	0	0
NRPP	15	12%	45865	0	-2556	5432	43309	12%	43309	0	-2556	5121	40753	0
<b>Sub-total</b>	<b>0</b>	<b>12%</b>	<b>47625</b>	<b>0</b>	<b>-3891</b>	<b>5576</b>	<b>43734</b>	<b>12%</b>	<b>43734</b>	<b>0</b>	<b>-2981</b>	<b>5148</b>	<b>40753</b>	<b>0</b>
<b>B Unsecured Loans</b>														
<b>I GOA -Loans</b>														
Rural electrification	10	10%	10	0	0	1	10	10%	10	0	0	1	10	0
NRPP Ph-I	10	10%	1013	95	0	106	1107	10%	1107	107	0	116	1214	0
LWHRP	10	10%	886	0	0	89	886	10%	886	0	0	89	886	0
Lower Kopili HEP	10	10%	1975	0	0	198	1975	10%	1975	0	0	198	1975	0
R&M NTPS	10	10%	5046	172	0	513	5218	10%	5218	157	0	530	5375	0
R&M LTPS	10	10%	4755	1802	0	566	6558	10%	6558	1649	0	738	8206	0
LRPP	10	10%	153	85	0	20	238	10%	238	80	0	28	318	0
Lungnit SHEP	10	10%	400	0	0	40	400	10%	400	0	0	40	400	0
Myntriang SHEP	10	10%	1470	0	0	147	1470	10%	1470	0	0	147	1470	0
LTPS, Ph-II	10	10%	1805	0	0	181	1805	10%	1805	0	0	181	1805	0
Development of SHEP	10	10%	100	0	0	10	100	10%	100	0	0	10	100	0
Survey & Investigation of HE	10	10%	70	0	0	7	70	10%	70	0	0	7	70	0
Non-Conventional source of	10	10%	40	0	0	4	40	10%	40	0	0	4	40	0
KLHEP	10	10%	11460	2065	0	1249	13525	10%	13525	1795	0	1442	15320	0
KLHEP (upper)	10	10%	215	0	0	22	215	10%	215	0	0	22	215	0
KLHEP (intermediate)	10	10%	250	0	0	25	250	10%	250	0	0	25	250	0
Dhansiri HEP	10	10%	104	0	0	10	104	10%	104	0	0	10	104	0
Setting up of a 200MW (CC	10	10%	15	0	0	2	15	10%	15	0	0	2	15	0
Borgolai	10	10%	425	0	0	43	425	10%	425	0	0	43	425	0
Revival of TPS	10	10%	74	0	0	7	74	10%	74	0	0	7	74	0
Development of Amguri	10	10%	50	0	0	5	50	10%	50	0	0	5	50	0
EAP consulting service	10	10%	37	0	0	4	37	10%	37	0	0	4	37	0
Golaghat	10	10%	37	0	0	4	37	10%	37	0	0	4	37	0
Boundary wall of Jagiroad	10	10%	54	0	0	5	54	10%	54	0	0	5	54	0
Station heat Rate	10	10%	31325	0	0	3133	31325	10%	31325	0	0	3133	31325	0
Solar NTPS	10	10%	404	0	0	40	404	10%	404	0	0	40	404	0
Disaster	0	10%	2	0	0	0	2	10%	2	0	0	0	2	0
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>62176</b>	<b>0</b>	<b>0</b>	<b>6429</b>	<b>66395</b>	<b>0%</b>	<b>66395</b>	<b>3788</b>	<b>0</b>	<b>6829</b>	<b>70183</b>	<b>0</b>
<b>C II GOA -Loans (Source AD</b>														
LRPP	0	10%	2444	0	0	244	2444	10%	2444	0	0	244	2444	0
ADB Consultancy	0	10%	46	0	0	5	46	10%	46	0	0	5	46	0
Lower Kopili HEP	0	10%	140	0	0	14	140	10%	140	0	0	14	140	0
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>2630</b>	<b>0</b>	<b>0</b>	<b>263</b>	<b>2630</b>	<b>0%</b>	<b>2630</b>	<b>0</b>	<b>0</b>	<b>263</b>	<b>2630</b>	<b>0</b>
<b>D Other Interest &amp; Finance Charges</b>														
Cost of raising Finance / Bank Charges	0	0%	0	0	0	0	0	0%	0	0	0	0	0	0
Interest on Security Deposit	0	0%	0	0	0	0	0	0%	0	0	0	0	0	0
Penal Interest Charges	0	0%	0	0	0	0	0	0%	0	0	0	0	0	0
Lease Rentals	0	0%	0	0	0	0	0	0%	0	0	0	0	0	0
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>E Grand Total Of Interest &amp; Finance Charges (A + B + C+ D)</b>	<b>0</b>	<b>0%</b>	<b>112431</b>	<b>0</b>	<b>-3891</b>	<b>12267</b>	<b>112759</b>	<b>0%</b>	<b>112759</b>	<b>3788</b>	<b>-2981</b>	<b>12240</b>	<b>113566</b>	<b>0</b>



Name of Company: Assam Po														
Name of Plant/ Station: Lakw														
Is computation of Interest on I														
Loan Details	Loan Tenure (yrs)	2022-23						2023-24						
		Projected						Projected						
		Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	
F	Less: Interest & Finance Charges Capitalised	0	0%	0	0	0	0	0%	0	0	0	0	0	
	<b>Net Total Of Interest &amp; Finance Charges (E-F)</b>	<b>0</b>	<b>11%</b>	<b>112431</b>	<b>0</b>	<b>-3891</b>	<b>12267</b>	<b>112759</b>	<b>11%</b>	<b>112759</b>	<b>3788</b>	<b>-2981</b>	<b>12240</b>	<b>113566</b>

Name of Company: Assam Power Corporation Limited								
Name of Plant/ Station: Lakshmi								
Its computation of Interest on						Form No:	F24	
								Rs. Lakhs
		2024-25						
		Projected						
	Loan Details	Loan Tenure (yrs)	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance
<b>A</b>	<b>Secured Loans</b>							
	<b>I PFC Loans</b>							
	KLHEP	15	12%	0	0	0	0	0
	NTPS(R&M)	13	0%	0	0	0	0	0
	LTPS(R&M)	20	13%	0	0	0	0	0
	NRPP	15	12%	40753	0	-2556	4809	38197
	<b>Sub-total</b>	<b>0</b>	<b>12%</b>	<b>40753</b>	<b>0</b>	<b>-2556</b>	<b>4809</b>	<b>38197</b>
<b>B</b>	<b>Unsecured Loans</b>							
	<b>I GOA -Loans</b>							
	Rural electrification	10	10%	10	0	0	1	10
	NRPP Ph-I	10	10%	1214	505	0	147	1719
	LWHRP	10	10%	886	0	0	89	886
	Lower Kopili HEP	10	10%	1975	0	0	198	1975
	R&M NTPS	10	10%	5375	113	0	543	5489
	R&M LTPS	10	10%	8206	968	0	869	9174
	LRPP	10	10%	318	30	0	33	348
	Lungnit SHEP	10	10%	400	0	0	40	400
	Myntriang SHEP	10	10%	1470	0	0	147	1470
	LTPS, Ph-II	10	10%	1805	0	0	181	1805
	Development of SHEP	10	10%	100	0	0	10	100
	Survey & Investigation of HE	10	10%	70	0	0	7	70
	Non-Conventional source of	10	10%	40	0	0	4	40
	KLHEP	10	10%	15320	1310	0	1597	16630
	KLHEP (upper)	10	10%	215	0	0	22	215
	KLHEP (intermediate)	10	10%	250	0	0	25	250
	Dhansiri HEP	10	10%	104	0	0	10	104
	Setting up of a 200MW (CC	10	10%	15	0	0	2	15
	Borgolai	10	10%	425	0	0	43	425
	Revival of TPS	10	10%	74	0	0	7	74
	Development of Amguri	10	10%	50	0	0	5	50
	EAP consulting service	10	10%	37	0	0	4	37
	Golaghat	10	10%	37	0	0	4	37
	Boundary wall of Jagiroad	10	10%	54	0	0	5	54
	Station heat Rate	10	10%	31325	0	0	3133	31325
	Solar NTPS	10	10%	404	0	0	40	404
	Disaster	0	10%	2	0	0	0	2
	<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>70183</b>	<b>2926</b>	<b>0</b>	<b>7165</b>	<b>73109</b>
<b>C</b>	<b>II GOA -Loans (Source AD</b>	0	0%	0	0	0	0	0
	LRPP	0	10%	2444	0	0	244	2444
	ADB Consultancy	0	10%	46	0	0	5	46
	Lower Kopili HEP	0	10%	140	0	0	14	140
	<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>2630</b>	<b>0</b>	<b>0</b>	<b>263</b>	<b>2630</b>
<b>D</b>	<b>Other Interest &amp; Finance Charges</b>							
	Cost of raising Finance / Bank Charges	0	0%	0	0	0	0	0
	Interest on Security Deposit	0	0%	0	0	0	0	0
	Penal Interest Charges	0	0%	0	0	0	0	0
	Lease Rentals	0	0%	0	0	0	0	0
	<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>E</b>	<b>Grand Total Of Interest &amp; Finance Charges (A + B + C+ D)</b>	<b>0</b>	<b>0%</b>	<b>113566</b>	<b>2926</b>	<b>-2556</b>	<b>12237</b>	<b>113936</b>

Name of Company: Assam Po								
Name of Plant/ Station: Lakw								
Its computation of Interest on I						Form No:	F24	
Rs. Lakhs								
2024-25								
Projected								
	Loan Details	Loan Tenure (yrs)	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance
F	Less: Interest & Finance Charges Capitalised	0	0%	0	0	0	0	0
	<b>Net Total Of Interest &amp; Finance Charges (E-F)</b>	<b>0</b>	<b>11%</b>	<b>113566</b>	<b>2926</b>	<b>-2556</b>	<b>12237</b>	<b>113936</b>



<b>Name of Company: Assam Power Generation Corp</b>									
<b>Name of Plant/ Station: Lakwa Thermal Power Stati</b>									
<b>Working Capital Requirements</b>							<b>Form No: F26</b>		
	Particulars	Unit	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
			Actual	Actual	Actual	Estimated	Projected		
<b>For Open-cycle Gas Turbine/ Combined Cycle thermal generating stations</b>									
1	Fuel expenses for 1 month *	Rs Crore	9.68	9.02	5.83	6.78	9.65	9.65	9.65
2	Liquid fuel stock for 15 days*	Rs Crore	0.00	0.00					
3	Maintenance spares @ 30% of O&M	Rs Crore	8.93	11.61	12.36	13.12	12.77	13.35	13.96
4	O&M expenses for 1 month	Rs Crore	2.48	3.23	3.43	3.64	3.55	3.71	3.88
5	Receivables equivalent to 2 months of capacity and energy charge^	Rs Crore	28.90	27.23	21.99	26.65	34.08	36.33	37.23
<b>Total Working Capital Requirement</b>		Rs Crore	<b>50.00</b>	<b>51.09</b>	<b>43.61</b>	<b>50.20</b>	<b>60.05</b>	<b>63.05</b>	<b>64.73</b>
Rate of Interest #		%	12.20%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
<b>Interest on Normative Working Capital Requirement</b>		Rs Crore	<b>6.10</b>	<b>5.11</b>	<b>4.36</b>	<b>5.02</b>	<b>6.00</b>	<b>6.30</b>	<b>6.47</b>
* corresponding to target availability									
^ calculated on target availability									
# shall be equal to the interest rate equivalent to State Bank of India base rate as on 1st April of the respective year plus 350 basis points.									
							<b>Petitioner</b>		

<b>Name of Company: Assam Power Generation Corporation Limited</b>					
<b>Name of Plant/ Station: Lakwa Thermal Power Station</b>					
<b>Detailed Information in respect of fuel for computation of Energy Charges</b>				<b>Form No: F27</b>	
<b>Particulars</b>		<b>Unit</b>	<b>Preceeding 3rd Month*</b>	<b>Preceeding 2nd Month*</b>	<b>Preceeding 1st Month*</b>
1	Quantity of Coal/ Lignite supplied by Coal/ Lignite Company	MMT	Gas Price sheets included separately (Sheet:Gas Price)		
2	Adjustment (+/-) in quantity supplied made by Coal/ Lignite Company	MMT			
3	Coal supplied by Coal/ Lignite Company (1+2)	MMT			
4	Normative Transit & Handling Losses (For Coal/ Lignite Projects)	MMT			
5	Net coal / Lignite Supplied (3-4)	MMT			
6	Amount charged by the Coal /Lignite Company	Rs Lakhs			
7	Adjustment (+/-) in amount charged made by Coal/Lignite Company	Rs Lakhs			
8	Total amount Charged (6+7)	Rs Lakhs			
9	Transportation charges by rail/ship/road transport	Rs Lakhs			
10	Adjustment (+/-) in amount charged made by Railways/Transport Company	Rs Lakhs			
11	Demurrage Charges, if any	Rs Lakhs			
12	Cost of diesel in transporting coal through MGR system, if applicable	Rs Lakhs			
13	Total Transportation Charges (9+/-10-11+12)	Rs Lakhs			
14	Total amount Charged for coal/lignite supplied including Transportation (8+13)	Rs Lakhs			
15	Landed cost of coal/ Lignite	Rs./MT			
16	Blending Ratio (Domestic/Imported)				
17	Weighted average cost of coal/ Lignite for preceding three months	Rs./MT			
18	GCV of Domestic Coal as per bill of Coal Company				
19	GCV of Imported Coal as per bill Coal Company				
20	Weighted average GCV of coal/ Lignite as Billed	kCal/ kg			
21	GCV of Domestic Coal as received at Station				
22	GCV of Imported Coal as received at Station				
23	Weighted average GCV of coal/ Lignite as Received	kCal/ kg			
* From COD of 1/4/2016 as the case may be					
Similar details to be furnished for natural gas/liquid fuel for CCGT station and secondary fuel oil for coal/lignite based thermal plants					
<b>Petitioner</b>					

<b>Name of Company: Assam Power Generation Corporation L</b>								
<b>Name of Plant/ Station: Lakwa Thermal Power Station</b>								
<b>Income Tax Provisions</b>								<b>Form No: F29</b>
								(Rs Crore)
		<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>	<b>2022-23</b>	<b>2023-24</b>	<b>2024-25</b>
		<b>Actual</b>	<b>Actual</b>	<b>Actual</b>	<b>Estimated</b>	<b>Projected</b>		
1	Income Tax on the Retun on Equity	0.00	0.00					
2	As Per Return Filed For The Year	2.28	0.41	0.00	0.00	0.00	0.00	0.00
3	As Assessed For The Year	0.00	0.00					
4	Credit/Debit Of Assessment Year(s) (Give Details)	0.00	0.00					
	<b>Total</b>	<b>2.28</b>	<b>0.41</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Note:	'Income Tax Provisions' details which could not be provided by the Generation Company at the time of this filing shall be furnished as and when they become due/ available.							

<b>Name of Company: Assam Power Genera</b>								
<b>Name of Plant/ Station: Lakwa Thermal P</b>								
<b>Non-Tariff Income</b>							<b>Form No: F30</b>	
							<b>(Rs Crore)</b>	
S. No.	Particulars	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
		Actual	Actual	Actual	Estimated	Projected		
<b>A</b>	<b>Income from Investment, Fixed &amp; Call Deposits</b>							
	Income from Investments:							
	Interest on securities							
	Interest on fixed deposits	21.38	23.51	14.80				
	Income on other investments	0.00						
	Interest from Banks		0.01	0.00				
	Interest on (any other items)							
	<b>Sub-Total</b>	<b>21.39</b>	<b>23.51</b>	<b>14.80</b>				
<b>B</b>	<b>Other Non-Tariff Income</b>							
	Interest on Loans and Advances to staff			0.00				
	Interest on Loans and Advances to Licensee							
	Interest on Loans and Advances to Lessors							
	Interest on Loans and Advances to Suppliers/ Contractors				9.22	9.22	9.22	9.22
	Income from trading	0.00	0.00	0.39				
	Gain on sale of Fixed Assets							
	Income/Fees /Collections against staff welfare activities:							
	Miscellaneous Receipts:	2.53	0.24	1.76				
	Delayed Payment charges from Beneficiaries	0.08	1.61	0.43				
	Net profit from UI charges							
	Penalty for contractor/ supplier for delay etc							
	Misc Charges							
	<b>Sub-Total</b>	<b>2.61</b>	<b>1.86</b>	<b>2.58</b>				
	<b>Grand Total</b>	<b>24.00</b>	<b>25.37</b>	<b>17.38</b>	<b>9.22</b>	<b>9.22</b>	<b>9.22</b>	<b>9.22</b>



Namrup Thermal Power Station		2021-22 (from Oct 2021 onwards)	2022-23	2023-24	2024-25	Remarks
<b>A. Gas supplied by OIL, Duliajan (APM)</b>						
1.00	Basic Price (for G.C.V. 10000)/ 1000 SCM	5079.38	5079.38	5079.38	5079.38	As per new gas price implemented from Oct'21
2.00	Basic Price after adjustment with CV	4675.47	4675.47	4675.47	4675.47	
3.00	Marketing Margin (for NCV 10000) /1000 SCM	200.00	200.00	200.00	200.00	
4.00	Marketing Margin after adjustment with CV	165.88	165.88	165.88	165.88	
	<b>Total</b>	<b>4841.35</b>	<b>4841.35</b>	<b>4841.35</b>	<b>4841.35</b>	
5.00	VAT @ 14.5% on above	702.00	702.00	702.00	702.00	
	<b>Total (A)</b>	<b>5543.34</b>	<b>5543.34</b>	<b>5543.34</b>	<b>5543.34</b>	
<b>B. T.C. for Transportation of the OIL Gas by AGCL</b>						
1.00	T.C./ 1000 SCM @ Rs. 1.81 / MMBTU	70.14	72.24	74.41	76.64	
2.00	GST @ 12%	8.42	8.67	8.93	9.20	
	<b>Total (B)</b>	<b>78.56</b>	<b>8.67</b>	<b>8.93</b>	<b>9.20</b>	
	<b>C. Landed price of gas supplied to NTPS (A+B)/ 1000 SCM</b>	<b>5621.90</b>	<b>5552.01</b>	<b>5552.27</b>	<b>5552.54</b>	
<b>Lakwa Thermal Power Station</b>						
		2021-22 (from Oct 2021 onwards)	2022-23	2023-24	2024-25	Remarks
<b>A. Gas supply by GAIL (APM)</b>						
1.00	Basic Price (for G.C.V. 10000)/ 1000 SCM	5079.38	5079.38	5079.38	5079.38	As per new gas price implemented from Oct'21
2.00	10% Royalty /1000 SCM	Included	Included	Included	Included	
	<b>Total</b>	<b>5079.38</b>	<b>5079.38</b>	<b>5079.38</b>	<b>5079.38</b>	
3.00	Basic Price after adjustment with CV	4860.79	4860.79	4860.79	4860.79	
4.00	Marketing Margin (for NCV 10000) /1000 SCM @ Rs. 5.04 / MMBTU	200.00	200.00	200.00	200.00	
5.00	Marketing Margin after adjustment with CV	172.71	172.71	172.71	172.71	
6.00	<b>Monthly Metering charge(Rs./ 1000 SCM)</b>	<b>24.67</b>	<b>25.41</b>	<b>26.17</b>	<b>26.95</b>	Yearly escalation 3% on TC as per agreement.
7.00	Sales Tax @ 14.5 % on above	733.43	733.54	733.65	733.77	
	<b>Landed price of gas supply to LTPS by GAIL / 1000 SCM(A)</b>	<b>5766.93</b>	<b>5767.04</b>	<b>5767.15</b>	<b>5767.26</b>	
<b>B. Gas supplied by OIL Duliajan (Non APM)</b>						
1.00	Basic Price (for G.C.V. 10000)/ 1000 SCM	8465.63	8465.63	8465.63	8465.63	As per new gas price implemented from Oct'21 - excluding North east discount as per contract
2.00	Basic Price after adjustment with CV	7792.45	7792.45	7792.45	7792.45	
3.00	Marketing Margin (for NCV 10000) /1000 SCM	200.00	200.00	200.00	200.00	
4.00	Marketing Margin after adjustment with CV	165.88	165.88	165.88	165.88	
	<b>Total</b>	<b>7958.33</b>	<b>7958.33</b>	<b>7958.33</b>	<b>7958.33</b>	
5.00	VAT @ 14.5 % on above	1153.96	1153.96	1153.96	1153.96	
	<b>Landed price of gas supply to LTPS by OIL (B)</b>	<b>9112.28</b>	<b>9112.28</b>	<b>9112.28</b>	<b>9112.28</b>	
<b>C. T.C for Transportation of OIL gas by AGCL</b>						
1.00	T.C./ 1000 SCM @ Rs. 1.81 / MMBTU	70.14	72.24	74.41	76.64	TC @ 3% escalation
2.00	GST @ 12% on TC	8.42	8.67	8.93	9.20	
	<b>Total T.C. (C)</b>	<b>78.56</b>	<b>80.91</b>	<b>83.34</b>	<b>85.84</b>	
	<b>D. Landed price of gas supply to LTPS by OIL (B+C)/ 1000 SCM</b>	<b>9190.84</b>	<b>9193.20</b>	<b>9195.62</b>	<b>9198.13</b>	
	<b>Wtd Avg landed price of LTPS gas</b>	<b>7935.55</b>	<b>7937.08</b>	<b>7938.66</b>	<b>7940.29</b>	

			Projections		
<b>OIL GAS for NTPS / NRPP</b>	<b>Unit</b>	<b>2021-22</b>	<b>2022-23</b>	<b>2023-24</b>	<b>2024-25</b>
Non-APM rate/MMBTU (effective from October of FY) and before discount of 40% of the price as per Pricing Policy of GoI	Rs./ MMBTU	2.90	2.90	2.90	2.90
Non-APM rate/MMBTU (effective from October of FY) and after discount of 40% of the price as per Pricing Policy of GoI	Rs./ MMBTU	1.74	1.74	1.74	1.74
Conversion factor	Factor	39.68	39.68	39.68	39.68
<b>\$ exchange rate for the month of September of Financial Year in Rs as obtained from RBI website</b>	<b>Rs per Dollar</b>	<b>73.56</b>	<b>73.56</b>	<b>73.56</b>	<b>73.56</b>
<b>Avg. GCV till September of Financial Year - OIL Gas for NTPS</b>	<b>kcal / scm</b>	<b>9204.80</b>	<b>9204.80</b>	<b>9204.80</b>	<b>9204.80</b>
<b>Avg. NCV till September of Financial year - OIL Gas for NTPS</b>	<b>kcal / scm</b>	<b>8294.06</b>	<b>8294.06</b>	<b>8294.06</b>	<b>8294.06</b>

LTPS			Projections		
<b>GAIL Gas for LTPS / LRPP</b>	<b>Unit</b>	<b>2021-22</b>	<b>2022-23</b>	<b>2023-24</b>	<b>2024-25</b>
<b>Avg. GCV till September of Financial Year</b>	<b>kcal / scm</b>	<b>9569.65</b>	<b>9569.65</b>	<b>9569.65</b>	<b>9569.65</b>
<b>Avg. NCV till September of Financial year</b>	<b>kcal / scm</b>	<b>8635.56</b>	<b>8635.56</b>	<b>8635.56</b>	<b>8635.56</b>
<b>Marketing Margin</b>	<b>Rs / 1000 scm</b>	<b>5.04</b>	<b>5.04</b>	<b>5.04</b>	<b>5.04</b>
<b>Rs Monthly Metering charge (Rs./ 1000 SCM)</b>	<b>Rs/ 1000 scm</b>	<b>24.67</b>	<b>25.41</b>	<b>26.17</b>	<b>26.95</b>
GAIL Gas MMSCM received til September of the financial year in MMSCM	MMSCM	39.70	39.70	39.70	39.70
Oil Gas MMSCM received til September of the financial year in MMSCM	MMSCM	68.59	68.59	68.59	68.59

**Name of Company: Assam Power Generation Corporation Limited**  
**Name of Plant/ Station: KLHEP**

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2	Form	F2a	Plant Characteristics-Thermal
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5	Form	F3b	Normative Parameters Considered for Tariff Computations-Hydro
6	Form	F4	Generation Details and Variable Cost
7	Form	F5	Abstract of admitted Capital Cost for the existing Project
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17	Form	F11	Draw Down Schedule for Calculation of IDC & Financing Charges
18	Form	F12	Financial Package Upto CoD
19	Form	F13	Details of Project Specific Loans
20	Form	F14a	Calculation of Weighted Average Rate of Interest on Actual Loans
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Instructions for the Applicant

- 1) Electronic copy in the form of CD/ Floppy Disc shall also be furnished
- 2) These formats are indicative in nature and the utility may align the line items to its chart of accounts



Name of Company:

Name of Plant/ Station:

DETAILS OF COD, TYPE OF HYDRO STATIONS, NORMATIVE ANNUAL PLANT, AVAILABILITY FACTOR (NAPAF) & OTHER NORMATIVE PARAMETERS CONSIDERED FOR TARIFF CALCULATION

SL NO	DESCRIPTION	UNIT	2018-19	2019-20	2020-21	2021-22 (Estimated)	2022-23 (Projected)	2023-24 (Projected)	2024-25 (Projected)
1	Installed Capacity	MW	100.00	100.00	100.00	100.00	100.00	100.00	100.00
2	Free Power to Home State	%							
3	Date of Commercial Operation	-							
	Unit – I	-	06-04-2007						
	Unit – II	-	06-04-2007						
	Unit – III								
	...								
4	Type of Station	-							
	Surface/Underground	-	Semi underground						
	Purely ROR/Pondage/Storage	-	ROR with Pondage						
	Peaking/Non Peaking	-	Both (Peaking in lean season)						
	No. of hours Peaking	-	5 hrs						
	Overload Capacity (MW) 7& period	-	3% continuous						
5	Type of Excitation	-							
	Rotating exciters on Generator	-							
	Static excitation	-							
6	Design Energy (Annual)	Gwh	390.00	390.00	390.00	390.00	390.00	390.00	390.00
7	Auxiliary consumption including Transformation losses	%	0.50%	0.01	0.01	0.01	0.01	0.01	0.01
8	Normative Plant Availability Factor (NAPAF)	%	90%	0.90	0.90	0.90	0.90	0.90	0.90
9.1	Maintenance spares for WC	Rs. Lakh							
9.2	Receivable for WC	Rs. Lakh							
9.3	Base rate on return on equity	%							
9.4	Tax rate	%							
9.5	SBI base rate+350 basis point as on	%							



## SALIENT FEATURES OF HYDROELECTRIC PROJECT

Name of Company: Assam Power Generation Corpor

0

Name of Plant/ Station: KLHEP

0

<b>1. Location</b>	
State /Distt.	Karbi Anglong District of Assam
River	Borpani
<b>2. Diversion Tunnel</b>	
Size, Shape	Intake Type Shaft with vertical gate intake structure provided with trash rack Fl. Of invert: 301.5 M
Length	4430 M
<b>3. Dam</b>	
Type	Concrete Gravity dam
Maximum dam height	58.50 M upto Spillway crest
<b>4. Spillway</b>	
Type	Oggee Shape Spillway with trejectory bucket
Crest level of Spillway	EL 300.00 M
<b>5. Reservoir</b>	
Full Reservoir Level (FRL)	316.50 M
Minimum Draw Down Level(MDDL)	308.0 M
Live Storage (MCM)	313.8 M
<b>6. De-silting Arrangement</b>	
Type	
Number and Size	
Particle size to be removed (mm)	
<b>7. Head Race Tunnel</b>	
Size and Type	Horse shoe shaped
Length	4430 M
Design Discharge (Cumecs)	
<b>8. Surge Shaft</b>	
Type	Simple with upper and lower expansion chamber
Diameter	8.00 M
Height	46.0m
<b>9. Penstock/ Pressure Shafts</b>	
Type	Circular, fabricated steel pipes
Diameter & Length	2.60 M, Penstock 1 Length=526.70 M Penstock 2 Length=514.20 M
<b>10. Power House</b>	
Type	Semi- underground Indoor type
Installed Capacity (No of Units x MW)	2X50 MW
Peaking Capacity during lean period (MW)	
Type of Turbine	vertical Shaft SingleRunner Single Flow Francis Turbine
Rated Head (M)	217.0 M
Rated Discharge (Cumecs)	57.00 Cumec
<b>11. Tail Race Tunnel</b>	
Diameter, Shape	
Length	
Minimum tail water level	58 M
<b>12. Switch yard</b>	
Type of Switch gear	Outdoor type
No. Of generator bays	2
No. Of Bus Coupler bays	1
No. Of line Bays	2





Name of Company: Assam Power Generation Corporation Limited  
Name of Plant/ Station: KLHEP

Abstract of admitted Capital Cost for the existing Project

Form No:

F5

	Particulars	Unit	Details
	<b>Last date of order of Commission for the project as on 31.03.2020</b>		
1	Capital Cost as admitted by AERC	Rs Lakhs	<b>51471</b>
2	Amount of un-discharged liabilities included in above (& forming part of admitted capital cost)	Rs Lakhs	<b>NIL</b>
3	Amount of un-discharged liabilities corresponding to above admitted capital cost (but not forming part of admitted capital cost being allowed on cash basis)	Rs Lakhs	<b>NIL</b>
4	Gross Normative Debt	Rs Lakhs	<b>39140</b>
5	Cumulative Repayment	Rs Lakhs	<b>20123.00</b>
6	Net Normative Debt	Rs Lakhs	<b>19017.00</b>
7	Normative Equity	Rs Lakhs	<b>6865</b>
8	Cumulative Depreciation	Rs Lakhs	<b>20123.00</b>
9	Freehold land	Rs Lakhs	<b>NIL</b>

Petitioner

Name of Company: Assam Power Generation Corporation  
Name of Plant/ Station: KLHEP

Statement showing claimed capital cost

Form No: F5a

	Particulars	Unit	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
1	Opening Capital Cost	Rs Lakhs	<b>51,440.61</b>	<b>51,456.95</b>	51469.95	51473.20	51502.63	53567.63	55362.63
2	Add: Addition during the year / period	Rs Lakhs	<b>1,633.62</b>	<b>1,309.65</b>	3.25	29.43	2065.00	1795.00	1310.00
3	Less: Decapitalisation during the year / period	Rs Lakhs		0	0.00	0.00	0.00	0.00	0.00
4	Less: Reversal during the year / period	Rs Lakhs	0.00	0					
5	Add: Discharges during the year / period	Rs Lakhs	0	0					
6	Closing Capital Cost	Rs Lakhs	<b>53,074.23</b>	<b>52,766.60</b>	51473.20	51502.63	53567.63	55362.63	56672.63
7	Average Capital Cost	Rs Lakhs	52,257.42	52,111.77	51471.57	51487.91	52535.13	54465.13	56017.63

Petitioner

Name of Company: Assam Power Generat

Name of Plant/ Station: KLHEP

Details of Project Specific Loans

Form No:

F13

Rs. Lakhs

Particulars	KLHEP	KLHEP	Package 3	Package 4	Package 5	Package 6
Source of Loan <sup>1</sup>	I GOA -Loans	PFC				
Currency <sup>2</sup>	INR					
Amount of Loan sanctioned	12,049.98	1,459.98				
Amount of Gross Loan drawn upto 31.03.2021 COD <sup>3,4,5,13,15</sup>	12,180.92	627.52				
Interest Type <sup>6</sup>	FIXED	Floating				
Fixed Interest Rate, if applicable	10%	12.02%				
Base Rate, if Floating Interest <sup>7</sup>						
Margin, if Floating Interest <sup>8</sup>	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
Are there any Caps/Floor <sup>9</sup>						
If above is yes,specify caps/floor						
Moratorium Period <sup>10</sup>						
Moratorium effective from						
Repayment Period <sup>11</sup>						
Repayment effective from						
Repayment Frequency <sup>12</sup>						
Repayment Instalment <sup>13,14</sup>						
Base Exchange Rate <sup>16</sup>						
Are foreign currency loan hedged?						
If above is yes,specify details <sup>17</sup>						

Note:

<sup>1</sup> Source of loan means the agency from whom the loan has been taken such as WB, ADB, WMB, PNB, SBI, ICICI, IFC, PFC etc.

<sup>2</sup> Currency refers to currency of loan such as US\$, DM, Yen, Indian Rupee etc.

<sup>3</sup> Details are to be submitted as on 31.03.2015 for existing assets and as on COD for the remaining assets.

<sup>4</sup> Where the loan has been refinanced, details in the Form is to be given for the loan refinanced. However, the details of the original loan is to be given separately in the same form.

<sup>5</sup> If the Tariff in the petition is claimed separately for various units, details in the Form is to be given separately for all the units in the same form.

<sup>6</sup> Interest type means whether the interest is fixed or floating.

<sup>7</sup> Base rate means the base as PLR, LIBOR etc. over which the margin is to be added. Applicable base rate on different dates from the date of draw may also be enclosed.

<sup>8</sup> Margin means the points over and above the floating rate.

<sup>9</sup> At times caps/ floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.

<sup>10</sup> Moratorium period refers to the period during which loan servicing liability is not required.

<sup>11</sup> Repayment period means the repayment of loan such as 7 years, 10 years, 25 years etc.

<sup>12</sup> Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual, etc.

<sup>13</sup> Where there is more than one drawal/repayment for a loan, the date & amount of each drawal/repayment may also be given separately

<sup>14</sup> If the repayment instalment amount and repayment date can not be worked out from the data furnished above, the repayment schedule to be

<sup>15</sup> In case of Foreign loan, date of each drawal & repayment alongwith exchange rate at that date may be given.

<sup>16</sup> Base exchange rate means the exchange rate prevailing as on 31.03.2015 for existing assets and as on COD for the remaining assets.

<sup>17</sup> In case of hedging, specify details like type of hedging, period of hedging, cost of heging, etc.

<sup>18</sup> In case of foreign loans, provide details of exchange rate considered on date of each repayment of principal and date of interest payment.

<sup>19</sup> At the time of truing up rate of interest with relevant reset date (if any) to be furnished separately.

<sup>20</sup> At the time of truing up provide details of refinancing of loans considered earlier. Details such as date on which refinancing done, amount of refinanced loan, terms and conditions of refinanced loan, financing and other charges incurred for refinancing etc.

Petitioner

<b>Name of Company: Assam Power Generation Corporation</b>								
<b>Name of Plant/ Station: KLHEP</b>								
<b>Calculation of Weighted Average Rate of Interest on Actual Loans</b>						<b>Form No:</b>	<b>F14a</b>	
		<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>	<b>2022-23</b>	<b>2023-24</b>	<b>2024-25</b>
	<b>Particulars</b>	<b>Actual</b>	<b>Actual</b>	<b>Actual</b>	<b>Estimated</b>	<b>Projected</b>		
	<b>Loan-1 from PFCL</b>							
	Gross loan - Opening							
	Cumulative repayments of Loans upto previous year							
	Net loan - Opening	414.02	387.03	364.92	346.12	476.25	437.34	407.53
	Add: Drawal(s) during the Year	0.00	21.28	26.38	173.26	0.00	0.00	0.00
	Less: Repayment (s) of Loans during the year	32.08	43.39	45.18	43.13	38.91	29.81	25.56
	Net loan - Closing	381.94	364.92	346.12	476.25	437.34	407.53	381.97
	Average Net Loan	397.98	375.97	355.52	411.19	456.80	422.44	394.75
	Rate of Interest on Loan on annual basis	11.64%	11.54%	11.97%	14.54%	11.71%	11.77%	11.80%
	Interest on loan	48.20	44.68	43.66	50.33	55.76	51.48	48.09
	<b>Loan-2 Govt. of Assam</b>							
	Gross loan - Opening							
	Cumulative repayments of Loans upto previous year							
	Net loan - Opening	206.75	239.80	278.95	603.22	603.28	645.47	683.35
	Add: Drawal(s) during the Year	27.98	9.98	-18.26	0.29	42.19	37.88	29.26
	Less: Repayment (s) of Loans during the year	-10.39	-21.69	-23.51	0.00	0.00	0.00	0.00
	Net loan - Closing	245.12	271.48	284.20	603.51	645.47	683.35	712.61
	Average Net Loan	225.93	255.64	281.57	603.37	624.38	664.41	697.98
	Rate of Interest on Loan on annual basis	6.93%	7.61%	7.55%	10.00%	10.35%	10.29%	10.21%
	Interest on loan	14.33	18.25	21.06	60.31	62.44	66.44	69.80
	<b>Total Loan</b>							
	Gross loan - Opening							
	Cumulative repayments of Loans upto previous year							
	Net loan - Opening	620.77	626.83	643.87	949.34	1079.53	1082.81	1090.88
	Add: Drawal(s) during the Year	27.98	31.26	8.13	173.55	42.19	37.88	29.26
	Less: Repayment (s) of Loans during the year	21.69	21.69	21.67	43.13	38.91	29.81	25.56
	Net loan - Closing	627.05	636.40	630.32	1079.76	1082.81	1090.88	1094.58
	Average Net Loan	623.91	631.61	637.09	1014.55	1081.17	1086.85	1092.73
	Interest on loan	62.53	62.93	64.73	110.64	118.19	117.93	117.89
	<b>Weighted average Rate of Interest on Loans</b>	10.07%	10.04%	10.16%	10.91%	10.93%	10.85%	10.79%
	Note:							
	1. In case of Foreign Loans, the calculations in Indian Rupees is to be furnished. However, the calculations in Original currency is also to be furnished separately in the same form.							
							<b>Petitioner</b>	



Name of Company: Assam Power Gene

Name of Plant/ Station: KLHEP

Details of Allocation of corporate loans to various projects

Form No:

F15

Rs. Lakhs

Particulars	Lungnit SHEP	Survey & Investigation of HEP	Dhansiri HEP	I PFC Loans		Package 6
Source of Loan <sup>1</sup>	I GOA -Loans	I GOA -Loans	I GOA -Loans	KLHEP		
Currency <sup>2</sup>	INR	INR	INR	INR		
Amount of Loan sanctioned	400.00	70.00	104.00	1459.98		
Amount of Gross Loan drawn upto 31.03.2021/ COD <sup>3,4,5,13,15</sup>	400.00	70.00	104.00	627.52		
Interest Type <sup>6</sup>	Fixed	Fixed	Fixed	Floating		
Fixed Interest Rate, if applicable	10%	10%	10%	12.02%		
Base Rate, if Floating Interest <sup>7</sup>						
Margin, if Floating Interest <sup>8</sup>	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
Are there any Caps/Floor <sup>9</sup>						
If above is yes,specify caps/floor						
Moratorium Period <sup>10</sup>						
Moratorium effective from						
Repayment Period <sup>11</sup>						
Repayment effective from						
Repayment Frequency <sup>12</sup>						
Repayment Instalment <sup>13,14</sup>						
Base Exchange Rate <sup>16</sup>						
Are foreign currency loan hedged?						
If above is yes,specify details <sup>17</sup>						

Distribution of loan packages to various projects

Name of the Projects						Total
Project 1						
Project 2						
Project 3 and so on						

Note:

<sup>1</sup> Source of loan means the agency from whom the loan has been taken such as WB, ADB, WMB, PNB, SBI, ICICI, IFC, PFC etc.

<sup>2</sup> Currency refers to currency of loan such as US\$, DM, Yen, Indian Rupee etc.

<sup>3</sup> Details are to be submitted as on 31.03.2015 for existing assets and as on COD for the remaining assets.

<sup>4</sup> Where the loan has been refinanced, details in the Form is to be given for the loan refinanced. However, the details of the original loan is to be given separately in the same form.

<sup>5</sup> If the Tariff in the petition is claimed separately for various units, details in the Form is to be given separately for all the units in the same

<sup>6</sup> Interest type means whether the interest is fixed or floating.

<sup>7</sup> Base rate means the base as PLR, LIBOR etc. over which the margin is to be added. Applicable base rate on different dates from the date of drawl may also be enclosed.

<sup>8</sup> Margin means the points over and above the floating rate.

<sup>9</sup> At times caps/ floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.

<sup>10</sup> Moratorium period refers to the period during which loan servicing liability is not required.

<sup>11</sup> Repayment period means the repayment of loan such as 7 years, 10 years, 25 years etc.

<sup>12</sup> Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual, etc.

<sup>13</sup> Where there is more than one drawal/repayment for a loan, the date & amount of each drawal/repayment may also be given separately

<sup>14</sup> If the repayment instalment amount and repayment date can not be worked out from the data furnished above, the repayment schedule

<sup>15</sup> In case of Foreign loan, date of each drawal & repayment alongwith exchange rate at that date may be given.

<sup>16</sup> Base exchange rate means the exchange rate prevailing as on 31.03.2015 for existing assets and as on COD for the remaining assets.

<sup>17</sup> In case of hedging, specify details like type of hedging, period of hedging, cost of heging, etc.

<sup>18</sup> In case of foreign loans, provide details of exchange rate considered on date of each repayment of principal and date of interest payment.

<sup>19</sup> At the time of truing up rate of interest with relevant reset date (if any) to be furnished separately.

<sup>20</sup> At the time of truing up provide details of refinancing of loans considered earlier. Details such as date on which refinancing done, amount of refinanced loan, terms and conditions of refinanced loan, financing and other charges incurred for refinancing etc.

Petitioner

Name of Company: Assam Power Generation C  
Name of Plant/ Station: KLHEP

Statement of Additional Capitalisation after COD									Form No:	F16	
Rs. Lakhs											
No	Head of Work/ Equipment	Actual/ Projected additional capital expenditure claimed							Regulations under which claimed	Justification	Admitted Cost by Commission if any
		2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25			
1	Land	-	-	-	-	-	-	-			
2	Building	3.37	-	-	-	-	-	-			
3	Hydraulic works	4.07	3.85	-	-	260.00	555.00	130.00			
4	Other civil works	2.28	-	-	29.43	235.00	75.00	250.00			
5	Plant & machinery- Gas	-	-	-	-	-	-	-			
6	Plant & machinery- Hydel	5.77	1.17	1.03	-	1,570.00	1,165.00	930.00			
7	Lines & cables	-	-	-	-	-	-	-			
8	Vehicle	-	-	-	-	-	-	-			
9	Furniture	0.49	6.84	-	-	-	-	-			
10	Other office equipment	0.35	1.25	2.22	-	-	-	-			
11	Roads on land belonging to others	-	-	-	-	-	-	-			
12	Capital spares at Generating Stations	-	-	-	-	-	-	-			

Note:

- 1 Fill the form in chronological order year wise along with detailed justification clearly bring out the necessity and the benefits accruing to the beneficiaries.
- 2 In case initial spares are purchased alongwith any equipment, then the cost of such spares should be indicated separately. e.g. Rotor - 50 Crs. Initial spares- 5 Crs.
- 3 Actual/Projected additional capital expenditure claimed for past period shall be governed by Tariff Regulation for the relevant period

Petitioner

Name of Company: Assam Power Generation (

Name of Plant/ Station: KLHEP

Date of Commercial Operation:

Financing of Additional Capitalisation

Form No:

F17

Rs. Crore

Financial Year (Starting from COD)							
	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
Amount capitalised in Work/ Equipment							
Financing Details							
GOA Loan	0.16	0.13	0.03	0.29	20.65	17.95	13.10
Loan-2							
<b>Total Loan<sup>2</sup></b>	<b>0.16</b>	<b>0.13</b>	<b>0.03</b>	<b>0.29</b>	<b>20.65</b>	<b>17.95</b>	<b>13.10</b>
Grant	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Equity	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Internal Resources							
Others							
<b>Total</b>	<b>0.16</b>	<b>0.13</b>	<b>0.03</b>	<b>0.29</b>	<b>20.65</b>	<b>17.95</b>	<b>13.10</b>

<sup>1</sup> Year 1 refers to Financial Year of COD and Year 2, Year 3 etc. are the subsequent financial years respectively.

<sup>2</sup> Loan details for meeting the additional capitalisation requirement should be given as per Form 14 and Form 15 which





<b>Name of Company: Assam Power Generation Corporation Ltd</b>							
<b>Name of Plant/ Station: KLHEP</b>							
<b>Employee Expenses</b>						<b>Form No: F21</b>	
							Rs. Crore
	<b>Particulars</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>	<b>2022-23</b>	<b>2023-24</b>
		<b>Actual</b>	<b>Actual</b>	<b>Actual</b>	<b>Estimated</b>	<b>Projected</b>	
1	Salaries	13.61	13.98				
2	Additional Pay	-	-				
3	Dearness Allowance (DA)	0.87	1.56				
4	Other Allowances & Relief	2.43	2.50				
5	Addl. Pay & C.Off Encashment	-	-				
6	Interim Relief / Wage Revision	-	-				
7	Honorarium/Overtime	0.03	0.00				
8	Bonus/ Exgratia To Employees	0.04	0.03				
9	Medical Expenses Reimbursement	0.01	0.01				
10	Travelling Allowance(Conveyance Allowance)	-	-				
11	Leave Travel Assistance	0.00	0.00				
12	Earned Leave Encashment	0.07	0.29				
13	Payment Under Workman's Compensation And Gratuity	-	-				
14	Subsidised Electricity To Employees	-	-				
15	Any Other Item	-	-				
16	Staff Welfare Expenses	0.02	0.06				
	Capacity Building Expenses	-	-				
17	Apprentice And Other Training Expenses	-	-				
18	Contribution To Terminal Benefits	2.56	4.43				
19	Provident Fund Contribution	-	-				
20	Provision for PF Fund	-	-				
21	Any Other Items (ROP)	-	0.00				
	<b>Total Employee Costs</b>	<b>19.63</b>	<b>22.87</b>				
22	Less: Employee expenses capitalised	0.00	0.00				
	<b>Net Employee expenses (D)-(E)</b>	<b>19.63</b>	<b>22.87</b>				
							<b>Petitioner</b>

APGCL is claiming normative O&M expenses as a whole for FY2020-21 to FY2024-25. Breakup of Actual R&M, Employee Expenses and A&G expenses are shown in the Excel True Up 2020-21\_vfinal.xlsx - Sheet "O&M"

<b>Name of Company: Assam Power Generation Corporation Limited</b>								
<b>Name of Plant/ Station: KLHEP</b>								
<b>Administration &amp; General Expenses</b>							<b>Form No:</b>	<b>F22</b>
								Rs. Crore
	<b>Particulars</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>	<b>2022-23</b>	<b>2023-24</b>	<b>2024-25</b>
		<b>Actual</b>	<b>Actual</b>	<b>Actual</b>	<b>Estimated</b>	<b>Projected</b>		
1	Lease/ Rent	0.01	0.01					
2	Insurance	1.01	1.09					
3	Revenue Stamp Expenses Account	-	-					
4	Telephone, Postage, Telegram & Telex Charges	0.02	0.01					
5	Incentive & Award To Employees/Outsiders	-	-					
6	Consultancy Charges	0.37	0.33					
7	Technical Fees	-	-					
8	Other Professional Charges	0.11	0.02					
9	Conveyance And Travelling	0.13	0.11					
10	License and Registration Fees	-	-					
11	Vehicle Expenses	0.83	0.96					
12	Security / Service Charges Paid To Outside Agencies	-	-					
13	Fee And Subscriptions Books And Periodicals	0.32	0.03					
14	Fees paid to AERC		0.18					
15	Printing And Stationery	0.04	0.03					
16	Advertisement Expenses	0.14	0.09					
17	Contributions/Donations To Outside Institutes / Associations	0.14	0.11					
18	Electricity Charges To Offices	0.73	0.00					
19	Water Charges	0.00	0.00					
20	Entertainment Charges	0.03	0.03					
21	Miscellaneous Expenses	0.05	0.09					
22	Legal Charges	0.03	0.03					
23	Auditor's Fee	0.01	0.02					
24	Freight On Capital Equipments	-	-					
25	Purchase Related Advertisement Expenses	-	-					
26	Vehicle Running Expenses Truck / Delivery Van	-	-					
27	Vehicle Hiring Expenses Truck / Delivery Van	-	-					
28	Other Freight	0.00	-					
29	Transit Insurance	-	-					
30	Octroi	-	-					
31	Incidental Stores Expenses	-	-					
32	Fabrication Charges		-					
33	CSR	0.10	0.04					
	<b>Total A&amp;G Expenses</b>	<b>4.07</b>	<b>3.16</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	Less: A&G Expenses Capitalised	0.00	0.00				5.00	
	<b>Total A&amp;G Expenses</b>	<b>4.07</b>	<b>3.16</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>-5.00</b>	<b>0.00</b>
							<b>Petitioner</b>	

APGCL is claiming normative O&M expenses as a whole for FY2020-21 to FY2024-25. Breakup of Actual R&M, Employee Expenses and A&G expenses are shown in the Excel True Up 2020-21\_vfinal.xlsx - Sheet "O&M"

Name of Company: Assam Power Gen																	
Name of Plant/ Station: KLHEP																	
Fixed Assets and Depreciation															Form No:	F23	
Rs. Crore																	
Name of Asset	Depreciation rate <sup>1</sup>	2018-19 Actuals					2019-20 Actuals					2020-21 Actuals					
		Opening	Addition	Adjustment & Deduction	Depreciation	Closing	Opening	Addition	Adjustment & Deduction	Depreciation	Closing	Opening	Addition	Adjustment & Deduction	Depreciation	Closing	
		1 Land	0.00%	4.40	-	-	-	4.40	4.40	-	-	-	4.40	4.40	-	-	-
2 Building	3.34%	17.32	0.03	-	0.58	17.36	17.36	-	-	0.58	17.36	17.36	-	-	-	0.58	17.36
3 Hydraulic works	5.28%	162.38	0.04	-	8.57	162.42	162.42	0.04	-	8.58	162.46	162.46	-	-	-	8.58	162.46
4 Other civil works	3.34%	102.72	0.02	-	3.43	102.75	102.75	-	-	3.43	102.75	102.75	-	-	-	3.43	102.75
5 Plant & machinery- Gas	5.28%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6 Plant & machinery- Hydel	5.28%	175.54	0.06	-	9.27	175.59	175.59	0.01	-	9.27	175.61	175.60	0.01	-	-	9.27	175.61
7 Lines & cables	5.28%	32.57	-	-	0.76	32.57	32.57	-	-	0.75	32.57	32.57	-	-	-	0.75	32.57
8 Vehicle	9.50%	0.29	-	-	-	0.29	0.29	-	-	-	0.29	0.29	-	-	-	-	0.29
9 Furniture	6.33%	0.04	0.00	-	0.00	0.05	0.05	0.07	-	0.01	0.12	0.12	-	-	-	0.01	0.12
10 Other office equipment	6.33%	0.10	0.00	-	0.01	0.10	0.10	0.01	-	0.01	0.12	0.11	0.02	-	-	0.01	0.13
11 Roads on land belonging to others	3.34%	0.28	-	-	0.03	0.28	0.28	-	-	0.03	0.28	0.28	-	-	-	0.03	0.28
12 Capital spares at Generating Stations	5.28%	18.76	-	-	0.99	18.76	18.76	-	-	0.99	18.76	18.76	-	-	-	0.99	18.76
	0.00%	514.41	0.16	-	23.65	514.57	514.57	0.13	-	23.65	514.70	514.70	0.03	-	-	23.65	514.73
<b>Less: Depreciation on Grant</b>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Grant in Capital Asset</b>		-	-	-	54.66	-	-	-	-	54.66	-	-	-	-	-	54.66	-
<b>Rate of Depreciation</b>		-	-	-	0.05	-	-	-	-	0.05	-	-	-	-	-	0.05	-
<b>Depreciation on 90% of the Assets funded by Grants/subsidies</b>		-	-	-	2.51	-	-	-	-	2.51	-	-	-	-	-	2.51	-
<b>Net Depreciation</b>		-	-	-	21.14	-	-	-	-	21.13	-	-	-	-	-	21.14	-
<sup>1</sup> Depreciation Rates as per AERC's Depreciation Rate Schedule																	
<sup>2</sup> Name of the the Assets should conform to the description of the assets mentioned in Depreciation schedule of AERC																	
															<b>Petitioner</b>		

Name of Company: Assam Power Generation Corporation Limited																				Form No: F23	
Name of Plant/ Station: KLHEP																				Rs. Crore	
Fixed Assets and Depreciation																					
Name of Asset	Depreciation rate <sup>1</sup>	2021-22					2022-23					2023-24					2024-25				
		Estimated					Projected					Projected					Projected				
		Opening	Addition	Adjustment & Deduction	Depreciation	Closing	Opening	Addition	Adjustment & Deduction	Depreciation	Closing	Opening	Addition	Adjustment & Deduction	Depreciation	Closing	Opening	Addition	Adjustment & Deduction	Depreciation	Closing
1 Land	0.00%	4.40	-	-	-	4.40	4.40	-	-	-	4.40	4.40	-	-	-	4.40	4.40	-	-	-	4.40
2 Building	3.34%	17.36	-	-	0.58	17.36	17.36	-	-	0.58	17.36	17.36	-	-	0.58	17.36	17.36	-	-	0.58	17.36
Hydraulic works	5.28%	162.46	-	-	8.58	162.46	162.46	2.60	-	8.65	165.06	165.06	5.55	-	8.79	170.61	170.61	1.30	-	8.83	171.91
Other civil works	3.34%	102.75	0.29	-	3.44	103.04	103.04	2.35	-	3.48	105.39	105.39	0.75	-	3.49	106.14	106.14	2.50	-	3.53	108.64
3 Plant & machinery-Gas	5.28%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4 Plant & machinery-Hydel	5.28%	175.61	-	-	9.27	175.61	175.61	15.70	-	9.69	191.31	191.31	11.65	-	9.99	202.96	202.96	9.30	-	10.24	212.26
5 Lines & cables	5.28%	32.57	-	-	0.75	32.57	32.57	-	-	0.75	32.57	32.57	-	-	0.75	32.57	32.57	-	-	0.75	32.57
6 Vehicle	9.50%	0.29	-	-	-	0.29	0.29	-	-	-	0.29	0.29	-	-	-	0.29	0.29	-	-	-	0.29
7 Furniture	6.33%	0.12	-	-	0.01	0.12	0.12	-	-	0.01	0.12	0.12	-	-	0.01	0.12	0.12	-	-	0.01	0.12
Other office equipment	6.33%	0.13	-	-	0.01	0.13	0.13	-	-	0.01	0.13	0.13	-	-	0.01	0.13	0.13	-	-	0.01	0.13
Roads on land belonging to others	3.34%	0.28	-	-	0.03	0.28	0.28	-	-	0.03	0.28	0.28	-	-	0.03	0.28	0.28	-	-	0.03	0.28
Capital spares at Generating Stations	5.28%	18.76	-	-	-	18.76	18.76	-	-	-	18.76	18.76	-	-	-	18.76	18.76	-	-	-	18.76
		514.73	0.29	-	22.67	515.03	515.03	20.65	-	23.19	535.68	535.68	17.95	-	23.65	553.63	553.63	13.10	-	23.98	566.73
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	54.66	-	-	-	-	54.66	-	-	-	-	54.66	-	-	-	-	-	54.66
		-	-	-	0.04	-	-	-	-	0.04	-	-	-	-	0.04	-	-	-	-	-	0.04
		-	-	-	2.41	-	-	-	-	2.41	-	-	-	-	2.37	-	-	-	-	-	2.34
		-	-	-	20.26	-	-	-	-	20.78	-	-	-	-	21.28	-	-	-	-	-	21.64
<sup>1</sup> Depreciation Rates as per AERC's Depreciation Rate Schedule																					
<sup>2</sup> Name of the the Assets should conform to the description of the assets mentioned in Depreciation schedule of AERC																					
Petitioner																					

Name of Company: Assam Power Corporation Limited													
Name of Plant/ Station: KLHEP													
Details computation of Interest on 2018-19							Details computation of Interest on 2019-20						
Loan Details	Loan Tenure (yrs)	2018-19						2019-20					
		Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance
<b>A Secured Loans</b>													
<b>I PFC Loans</b>													
KLHEP	15	10%	3128.52	0.00	-834.27	267.52	2294.25	10%	2294	0	-834	190	1460
NTPS(R&M)	13	0%	0.00	0.00	0.00	0.00	0.00	0%	0	0	0	0	0
LTPS(R&M)	20	12%	7099.83	0.00	-1335.06	782.20	5764.77	12%	5765	0	-1335	611	4430
NRPP	15	12%	31173.72	0.00	-1039.12	3769.92	30134.59	12%	30643	2128	-2169	3667	30602
<b>Sub-total</b>	<b>0</b>	<b>12%</b>	<b>41402.07</b>	<b>0.00</b>	<b>-3208.46</b>	<b>4819.64</b>	<b>38193.61</b>	<b>12%</b>	<b>38703</b>	<b>2128</b>	<b>-4339</b>	<b>4468</b>	<b>36492</b>
<b>B Unsecured Loans</b>													
<b>I GOA -Loans</b>													
Rural electrification	10	10%	10.00	0.00	0.00	1.00	10.00	10%	10	0	0	1	10
NRPP Ph-I	10	10%	1472.50	0.00	0.00	147.25	1472.50	10%	1473	264	0	147	1737
LWHRP	10	10%	886.30	0.00	0.00	88.63	886.30	10%	886	0	0	89	886
Lower Kopili HEP	10	10%	1975.00	0.00	0.00	197.50	1975.00	10%	1975	0	0	198	1975
R&M NTPS	10	10%	3374.26	735.00	0.00	337.54	4109.26	10%	4109	166	0	411	4275
R&M LTPS	10	10%	2867.00	124.89	0.00	287.13	2991.89	10%	2992	1129	0	300	4121
LRPP	10	10%	153.05	0.00	0.00	15.30	153.05	10%	153	0	0	15	153
Lungnit SHEP	10	10%	400.00	0.00	0.00	40.00	400.00	10%	400	0	0	40	400
Myntriang SHEP	10	10%	1165.19	0.00	0.00	116.52	1165.19	10%	1165	0	0	117	1165
LTPS, Ph-II	10	10%	1805.00	0.00	0.00	180.50	1805.00	10%	1805	0	0	181	1805
Development of SHEP	10	10%	100.00	0.00	0.00	10.00	100.00	10%	100	0	0	10	100
Survey & Investigation of HEP	10	10%	70.00	0.00	0.00	7.00	70.00	10%	70	0	0	7	70
Non-Conventional source of HEP	10	10%	40.00	0.00	0.00	4.00	40.00	10%	40	0	0	4	40
KLHEP	10	10%	7867.48	1733.31	0.00	787.89	9600.80	10%	9601	1698	0	972	11299
KLHEP (upper)	10	10%	215.00	0.00	0.00	21.50	215.00	10%	215	0	0	22	215
KLHEP (intermediate)	10	10%	250.00	0.00	0.00	25.00	250.00	10%	250	0	0	25	250
Dhansiri HEP	10	10%	104.00	0.00	0.00	10.40	104.00	10%	104	0	0	10	104
Setting up of a 200MW (CC)	10	10%	15.00	0.00	0.00	1.50	15.00	10%	15	0	0	2	15
Borgolai	10	10%	425.00	0.00	0.00	42.50	425.00	10%	425	0	0	43	425
Revival of TPS	10	10%	50.00	24.45	0.00	5.01	74.45	10%	74	0	0	7	74
Development of Amguri	10	10%	50.00	0.00	0.00	5.00	50.00	10%	50	0	0	5	50
EAP consulting service	10	10%	37.45	0.00	0.00	3.75	37.45	10%	37	0	0	4	37
Golaghat	10	10%	37.00	0.00	0.00	3.70	37.00	10%	37	0	0	4	37
Boundary wall of Jagiroad	10	10%	53.79	0.00	0.00	5.38	53.79	10%	54	0	0	5	54
Station heat Rate	10	10%	31325.00	0.00	0.00	3132.50	31325.00	10%	31325	0	0	3133	31325
Solar NTPS	10	10%	404.00	0.00	0.00	40.40	404.00	10%	404	0	0	40	404
Disaster	0	0%	0.00	0.00	0.00	0.00	0.00	10%	0	2	0	0	2
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>55152.02</b>	<b>2617.65</b>	<b>0.00</b>	<b>5516.90</b>	<b>57769.67</b>	<b>0%</b>	<b>57770</b>	<b>3260</b>	<b>0</b>	<b>5789</b>	<b>61029</b>
<b>C II GOA -Loans (Source AD)</b>													
LRPP	0	10%	2161.49	155.85	0.00	227.80	2317.34	10%	2317	126	0	242	2444
ADB Consultancy	0	10%	37.61	1.53	0.00	3.83	39.13	10%	39	7	0	4	46
Lower Kopili HEP	0	10%	7.83	74.54	0.00	5.33	82.36	10%	82	58	0	12	140
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>2206.92</b>	<b>231.91</b>	<b>0.00</b>	<b>236.95</b>	<b>2438.83</b>	<b>0%</b>	<b>2439</b>	<b>191</b>	<b>0</b>	<b>258</b>	<b>2630</b>
<b>D Other Interest &amp; Finance Charges</b>													
Cost of raising Finance / Bank Charges	0	0%	0.00	0.00	0.00	5.18	0.00	0%	0	0	0	7	0
Interest on Security Deposit	0	0%	0.00	0.00	0.00	0.00	0.00	0%	0	0	0	0	0
Penal Interest Charges	0	0%	0.00	0.00	0.00	0.00	0.00	0%	0	0	0	0	0
Lease Rentals	0	0%	0.00	0.00	0.00	0.00	0.00	0%	0	0	0	0	0
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5.18</b>	<b>0.00</b>	<b>0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>0</b>
<b>E Grand Total Of Interest &amp; Finance Charges (A + B + C+ D)</b>													
	<b>0</b>	<b>0%</b>	<b>98761.01</b>	<b>2849.56</b>	<b>-3208.46</b>	<b>10578.67</b>	<b>98402.11</b>	<b>0%</b>	<b>98911</b>	<b>5578</b>	<b>-4339</b>	<b>10522</b>	<b>100151</b>

Name of Company: Assam Po														
Name of Plant/ Station: KLHE														
Details computation of Interest on I							Details computation of Interest on I							
Loan Details	Loan Tenure (yrs)	2018-19						2019-20						
		Actual						Actual						
		Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	
F														
Less: Interest & Finance Charges Capitalised	0	0%	0.00	0.00	0.00	4251.48	0.00	0%	0	0	0	0	4193	0
<b>Net Total Of Interest &amp; Finance Charges (E-F)</b>	<b>0</b>	<b>0%</b>	<b>98761.01</b>	<b>2849.56</b>	<b>-3208.46</b>	<b>6327.20</b>	<b>98402.11</b>	<b>0%</b>	<b>98911</b>	<b>5578</b>	<b>-4339</b>	<b>6329</b>	<b>100151</b>	

Name of Company: Assam Power Corporation Limited														
Name of Plant/ Station: KLHEP														
Is computation of Interest on Loan														
Loan Details	Loan Tenure (yrs)	2020-21							2021-22					
		Actual							Estimated					
		Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	
<b>A Secured Loans</b>														
<b>I PFC Loans</b>														
KLHEP	15	12%	1460	0	-832	126	628	12%	628	0	-628	38	0	0
NTPS(R&M)	13	0%	0	0	0	0	0	0%	0	0	0	0	0	0
LTPS(R&M)	20	13%	4430	0	-1335	495	3095	13%	3095	0	-1335	319	1760	0
NRPP	15	12%	30602	2638	-2351	3746	30890	12%	30890	17326	-2351	4675	45865	0
<b>Sub-total</b>	<b>0</b>	<b>12%</b>	<b>36492</b>	<b>2638</b>	<b>-4518</b>	<b>4366</b>	<b>34612</b>	<b>12%</b>	<b>34612</b>	<b>17326</b>	<b>-4313</b>	<b>5033</b>	<b>47625</b>	<b>0</b>
<b>B Unsecured Loans</b>														
<b>I GOA -Loans</b>														
Rural electrification	10	10%	10	0	0	1	10	10%	10	0	0	1	10	0
NRPP Ph-I	10	10%	1013	0	0	101	1013	10%	1013	0	0	101	1013	0
LWHRP	10	10%	886	0	0	89	886	10%	886	0	0	89	886	0
Lower Kopili HEP	10	10%	1975	0	0	198	1975	10%	1975	0	0	198	1975	0
R&M NTPS	10	10%	4999	47	0	500	5046	10%	5046	0	0	505	5046	0
R&M LTPS	10	10%	4121	635	0	413	4755	10%	4755	0	0	476	4755	0
LRPP	10	10%	153	0	0	15	153	10%	153	0	0	15	153	0
Lungnit SHEP	10	10%	400	0	0	40	400	10%	400	0	0	40	400	0
Myntriang SHEP	10	10%	1165	305	0	117	1470	10%	1470	0	0	147	1470	0
LTPS, Ph-II	10	10%	1805	0	0	181	1805	10%	1805	0	0	181	1805	0
Development of SHEP	10	10%	100	0	0	10	100	10%	100	0	0	10	100	0
Survey & Investigation of HE	10	10%	70	0	0	7	70	10%	70	0	0	7	70	0
Non-Conventional source of	10	10%	40	0	0	4	40	10%	40	0	0	4	40	0
KLHEP	10	10%	11299	131	0	1130	11430	10%	11430	29	0	1144	11460	0
KLHEP (upper)	10	10%	215	0	0	22	215	10%	215	0	0	22	215	0
KLHEP (intermediate)	10	10%	250	0	0	25	250	10%	250	0	0	25	250	0
Dhansiri HEP	10	10%	104	0	0	10	104	10%	104	0	0	10	104	0
Setting up of a 200MW (CC	10	10%	15	0	0	2	15	10%	15	0	0	2	15	0
Borgolai	10	10%	425	0	0	43	425	10%	425	0	0	43	425	0
Revival of TPS	10	10%	74	0	0	7	74	10%	74	0	0	7	74	0
Development of Amguri	10	10%	50	0	0	5	50	10%	50	0	0	5	50	0
EAP consulting service	10	10%	37	0	0	4	37	10%	37	0	0	4	37	0
Golaghat	10	10%	37	0	0	4	37	10%	37	0	0	4	37	0
Boundary wall of Jagiroad	10	10%	54	0	0	5	54	10%	54	0	0	5	54	0
Station heat Rate	10	10%	31325	0	0	3133	31325	10%	31325	0	0	3133	31325	0
Solar NTPS	10	10%	404	0	0	40	404	10%	404	0	0	40	404	0
Disaster	0	10%	2	0	0	0	2	10%	2	0	0	0	2	0
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>61052</b>	<b>1118</b>	<b>0</b>	<b>6104</b>	<b>62170</b>	<b>0%</b>	<b>62170</b>	<b>29</b>	<b>0</b>	<b>6216</b>	<b>62176</b>	<b>0</b>
<b>C II GOA -Loans (Source AD</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
LRPP	0	10%	2444	0	0	244	2444	10%	2444	0	0	244	2444	0
ADB Consultancy	0	10%	46	0	0	5	46	10%	46	0	0	5	46	0
Lower Kopili HEP	0	10%	140	0	0	14	140	10%	140	0	0	14	140	0
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>2630</b>	<b>0</b>	<b>0</b>	<b>263</b>	<b>2630</b>	<b>0%</b>	<b>2630</b>	<b>0</b>	<b>0</b>	<b>263</b>	<b>2630</b>	<b>0</b>
<b>D Other Interest &amp; Finance Charges</b>														
Cost of raising Finance / Bank Charges	0	0%	0	0	0	4	0	0%	0	0	0	0	0	0
Interest on Security Deposit	0	0%	0	0	0	0	0	0%	0	0	0	0	0	0
Penal Interest Charges	0	0%	0	0	0	0	0	0%	0	0	0	0	0	0
Lease Rentals	0	0%	0	0	0	0	0	0%	0	0	0	0	0	0
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>E Grand Total Of Interest &amp; Finance Charges (A + B + C+ D)</b>	<b>0</b>	<b>0%</b>	<b>100174</b>	<b>3756</b>	<b>-4518</b>	<b>10738</b>	<b>99412</b>	<b>0%</b>	<b>99412</b>	<b>17355</b>	<b>-4313</b>	<b>11512</b>	<b>112431</b>	<b>0</b>



Name of Company: Assam Po														
Name of Plant/ Station: KLHE														
Is computation of Interest on loan														
Loan Details	Loan Tenure (yrs)	2020-21						2021-22						
		Actual						Estimated						
		Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	
F														
	Less: Interest & Finance Charges Capitalised	0	0%	0	0	0	4247	0	0%	0	0	0	0	0
	<b>Net Total Of Interest &amp; Finance Charges (E-F)</b>	<b>0</b>	<b>0%</b>	<b>100174</b>	<b>3756</b>	<b>-4518</b>	<b>6491</b>	<b>99412</b>	<b>11%</b>	<b>99412</b>	<b>17355</b>	<b>-4313</b>	<b>11512</b>	<b>112431</b>

Name of Company: Assam Power Corporation Limited														
Name of Plant/ Station: KLHEP														
Is computation of Interest on														
Loan Details	Loan Tenure (yrs)	2022-23							2023-24					
		Projected							Projected					
		Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	
<b>A Secured Loans</b>														
<b>I PFC Loans</b>														
KLHEP	15	12%	0	0	0	0	0	12%	0	0	0	0	0	0
NTPS(R&M)	13	0%	0	0	0	0	0	0%	0	0	0	0	0	0
LTPS(R&M)	20	13%	1760	0	-1335	144	425	13%	425	0	-425	28	0	0
NRPP	15	12%	45865	0	-2556	5432	43309	12%	43309	0	-2556	5121	40753	0
<b>Sub-total</b>	<b>0</b>	<b>12%</b>	<b>47625</b>	<b>0</b>	<b>-3891</b>	<b>5576</b>	<b>43734</b>	<b>12%</b>	<b>43734</b>	<b>0</b>	<b>-2981</b>	<b>5148</b>	<b>40753</b>	<b>0</b>
<b>B Unsecured Loans</b>														
<b>I GOA -Loans</b>														
Rural electrification	10	10%	10	0	0	1	10	10%	10	0	0	1	10	0
NRPP Ph-I	10	10%	1013	95	0	106	1107	10%	1107	107	0	116	1214	0
LWHRP	10	10%	886	0	0	89	886	10%	886	0	0	89	886	0
Lower Kopili HEP	10	10%	1975	0	0	198	1975	10%	1975	0	0	198	1975	0
R&M NTPS	10	10%	5046	172	0	513	5218	10%	5218	157	0	530	5375	0
R&M LTPS	10	10%	4755	1802	0	566	6558	10%	6558	1649	0	738	8206	0
LRPP	10	10%	153	85	0	20	238	10%	238	80	0	28	318	0
Lungnit SHEP	10	10%	400	0	0	40	400	10%	400	0	0	40	400	0
Myntriang SHEP	10	10%	1470	0	0	147	1470	10%	1470	0	0	147	1470	0
LTPS, Ph-II	10	10%	1805	0	0	181	1805	10%	1805	0	0	181	1805	0
Development of SHEP	10	10%	100	0	0	10	100	10%	100	0	0	10	100	0
Survey & Investigation of HE	10	10%	70	0	0	7	70	10%	70	0	0	7	70	0
Non-Conventional source of	10	10%	40	0	0	4	40	10%	40	0	0	4	40	0
KLHEP	10	10%	11460	2065	0	1249	13525	10%	13525	1795	0	1442	15320	0
KLHEP (upper)	10	10%	215	0	0	22	215	10%	215	0	0	22	215	0
KLHEP (intermediate)	10	10%	250	0	0	25	250	10%	250	0	0	25	250	0
Dhansiri HEP	10	10%	104	0	0	10	104	10%	104	0	0	10	104	0
Setting up of a 200MW (CC	10	10%	15	0	0	2	15	10%	15	0	0	2	15	0
Borgolai	10	10%	425	0	0	43	425	10%	425	0	0	43	425	0
Revival of TPS	10	10%	74	0	0	7	74	10%	74	0	0	7	74	0
Development of Amguri	10	10%	50	0	0	5	50	10%	50	0	0	5	50	0
EAP consulting service	10	10%	37	0	0	4	37	10%	37	0	0	4	37	0
Golaghat	10	10%	37	0	0	4	37	10%	37	0	0	4	37	0
Boundary wall of Jagiroad	10	10%	54	0	0	5	54	10%	54	0	0	5	54	0
Station heat Rate	10	10%	31325	0	0	3133	31325	10%	31325	0	0	3133	31325	0
Solar NTPS	10	10%	404	0	0	40	404	10%	404	0	0	40	404	0
Disaster	0	10%	2	0	0	0	2	10%	2	0	0	0	2	0
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>62176</b>	<b>0</b>	<b>0</b>	<b>6429</b>	<b>66395</b>	<b>0%</b>	<b>66395</b>	<b>3788</b>	<b>0</b>	<b>6829</b>	<b>70183</b>	<b>0</b>
<b>C II GOA -Loans (Source AD</b>														
LRPP	0	10%	2444	0	0	244	2444	10%	2444	0	0	244	2444	0
ADB Consultancy	0	10%	46	0	0	5	46	10%	46	0	0	5	46	0
Lower Kopili HEP	0	10%	140	0	0	14	140	10%	140	0	0	14	140	0
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>2630</b>	<b>0</b>	<b>0</b>	<b>263</b>	<b>2630</b>	<b>0%</b>	<b>2630</b>	<b>0</b>	<b>0</b>	<b>263</b>	<b>2630</b>	<b>0</b>
<b>D Other Interest &amp; Finance Charges</b>														
Cost of raising Finance / Bank Charges	0	0%	0	0	0	0	0	0%	0	0	0	0	0	0
Interest on Security Deposit	0	0%	0	0	0	0	0	0%	0	0	0	0	0	0
Penal Interest Charges	0	0%	0	0	0	0	0	0%	0	0	0	0	0	0
Lease Rentals	0	0%	0	0	0	0	0	0%	0	0	0	0	0	0
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>E Grand Total Of Interest &amp; Finance Charges (A + B + C+ D)</b>														
<b>0</b>	<b>0%</b>	<b>112431</b>	<b>0</b>	<b>-3891</b>	<b>12267</b>	<b>112759</b>	<b>0%</b>	<b>112759</b>	<b>3788</b>	<b>-2981</b>	<b>12240</b>	<b>113566</b>	<b>0</b>	<b>0</b>

Name of Company: Assam Po														
Name of Plant/ Station: KLHE														
Is computation of Interest on I														
			2022-23					2023-24						
			Projected					Projected						
	Loan Details	Loan Tenure (yrs)	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance
F	Less: Interest & Finance Charges Capitalised	0	0%	0	0	0	0	0	0%	0	0	0	0	0
	Net Total Of Interest & Finance Charges (E-F)	0	11%	112431	0	-3891	12267	112759	11%	112759	3788	-2981	12240	113566

Name of Company: Assam Pot								
Name of Plant/ Station: KLHE								
Is computation of Interest on							Form No: F24	
								Rs. Lakhs
		2024-25						
		Projected						
	Loan Details	Loan Tenure (yrs)	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance
<b>A</b>	<b>Secured Loans</b>							
	<b>I PFC Loans</b>							
	KLHEP	15	12%	0	0	0	0	0
	NTPS(R&M)	13	0%	0	0	0	0	0
	LTPS(R&M)	20	13%	0	0	0	0	0
	NRPP	15	12%	40753	0	-2556	4809	38197
	<b>Sub-total</b>	<b>0</b>	<b>12%</b>	<b>40753</b>	<b>0</b>	<b>-2556</b>	<b>4809</b>	<b>38197</b>
<b>B</b>	<b>Unsecured Loans</b>							
	<b>I GOA -Loans</b>							
	Rural electrification	10	10%	10	0	0	1	10
	NRPP Ph-I	10	10%	1214	505	0	147	1719
	LWHRP	10	10%	886	0	0	89	886
	Lower Kopili HEP	10	10%	1975	0	0	198	1975
	R&M NTPS	10	10%	5375	113	0	543	5489
	R&M LTPS	10	10%	8206	968	0	869	9174
	LRPP	10	10%	318	30	0	33	348
	Lungnit SHEP	10	10%	400	0	0	40	400
	Myntriang SHEP	10	10%	1470	0	0	147	1470
	LTPS, Ph-II	10	10%	1805	0	0	181	1805
	Development of SHEP	10	10%	100	0	0	10	100
	Survey & Investigation of HE	10	10%	70	0	0	7	70
	Non-Conventional source of	10	10%	40	0	0	4	40
	KLHEP	10	10%	15320	1310	0	1597	16630
	KLHEP (upper)	10	10%	215	0	0	22	215
	KLHEP (intermediate)	10	10%	250	0	0	25	250
	Dhansiri HEP	10	10%	104	0	0	10	104
	Setting up of a 200MW (CC	10	10%	15	0	0	2	15
	Borgolai	10	10%	425	0	0	43	425
	Revival of TPS	10	10%	74	0	0	7	74
	Development of Amguri	10	10%	50	0	0	5	50
	EAP consulting service	10	10%	37	0	0	4	37
	Golaghat	10	10%	37	0	0	4	37
	Boundary wall of Jagiroad	10	10%	54	0	0	5	54
	Station heat Rate	10	10%	31325	0	0	3133	31325
	Solar NTPS	10	10%	404	0	0	40	404
	Disaster	0	10%	2	0	0	0	2
	<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>70183</b>	<b>2926</b>	<b>0</b>	<b>7165</b>	<b>73109</b>
<b>C</b>	<b>II GOA -Loans (Source AD</b>	0	0%	0	0	0	0	0
	LRPP	0	10%	2444	0	0	244	2444
	ADB Consultancy	0	10%	46	0	0	5	46
	Lower Kopili HEP	0	10%	140	0	0	14	140
	<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>2630</b>	<b>0</b>	<b>0</b>	<b>263</b>	<b>2630</b>
<b>D</b>	<b>Other Interest &amp; Finance Charges</b>							
	Cost of raising Finance / Bank Charges	0	0%	0	0	0	0	0
	Interest on Security Deposit	0	0%	0	0	0	0	0
	Penal Interest Charges	0	0%	0	0	0	0	0
	Lease Rentals	0	0%	0	0	0	0	0
	<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>E</b>	<b>Grand Total Of Interest &amp; Finance Charges (A + B + C+ D)</b>	<b>0</b>	<b>0%</b>	<b>113566</b>	<b>2926</b>	<b>-2556</b>	<b>12237</b>	<b>113936</b>

Name of Company: Assam Pot								
Name of Plant/ Station: KLHE								
Its computation of Interest on I						Form No:	F24	
Rs. Lakhs								
2024-25								
Projected								
	Loan Details	Loan Tenure (yrs)	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance
F	Less: Interest & Finance Charges Capitalised	0	0%	0	0	0	0	0
	<b>Net Total Of Interest &amp; Finance Charges (E-F)</b>	<b>0</b>	<b>11%</b>	<b>113566</b>	<b>2926</b>	<b>-2556</b>	<b>12237</b>	<b>113936</b>



<b>Name of Company: Assam Power Generation Corp</b>									
<b>Name of Plant/ Station: KLHEP</b>									
<b>Working Capital Requirements</b>						<b>Form No: F26</b>			
	Particulars	Unit	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
			Actual	Actual	Actual	Estimated	Projected		
<b>For Hydro Generating stations</b>									
1	O&M expenses for 1 month	Rs Crore	2.06	2.40	2.53	2.68	2.62	2.74	2.87
2	Maintenance spares @ 15% of O&M	Rs Crore	7.43	8.64	9.10	9.64	9.45	9.88	10.33
3	Receivables equivalent to 2 months of annual fixed charge	Rs Crore	12.56	11.51	16.31	15.01	14.80	13.05	13.25
<b>Total Working Capital Requirement</b>		Rs Lakhs	22.05	22.55	27.94	27.33	26.88	25.67	26.45
Rate of Interest #		%	12%	10%	10%	10%	10%	10%	10%
<b>Interest on Normative Working Capital Requirement</b>		Rs Crore	2.69	2.26	2.79	2.73	2.69	2.57	2.64
* corresponding to target availability									
^ calculated on target availability									
# shall be equal to the interest rate equivalent to State Bank of India base rate as on 1st April of the respective year plus 350 basis points.									
							<b>Petitioner</b>		

<b>Name of Company: Assam Power Generation Corporation L</b>								
<b>Name of Plant/ Station: KLHEP</b>								
<b>Income Tax Provisions</b>								<b>Form No: F29</b>
								(Rs Crore)
		<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>	<b>2022-23</b>	<b>2023-24</b>	<b>2024-25</b>
		<b>Actual</b>	<b>Actual</b>	<b>Actual</b>	<b>Estimated</b>	<b>Projected</b>		
1	Income Tax on the Retun on Equity	0.00	0.00					
2	As Per Return Filed For The Year	1.30	0.23	0.00	0.00	0.00	0.00	0.00
3	As Assessed For The Year	0.00	0.00					
4	Credit/Debit Of Assessment Year(s) (Give Details)	0.00	0.00					
	<b>Total</b>	<b>1.30</b>	<b>0.23</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Note:	'Income Tax Provisions' details which could not be provided by the Generation Company at the time of this filing shall be furnished as and when they become due/ available.							



<b>Name of Company: Assam Power Genera</b>								
<b>Name of Plant/ Station: KLHEP</b>								
<b>Non-Tariff Income</b>							<b>Form No: F30</b>	
							<b>(Rs Crore)</b>	
<b>S. No.</b>	<b>Particulars</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>	<b>2022-23</b>	<b>2023-24</b>	<b>2024-25</b>
		<b>Actual</b>	<b>Actual</b>	<b>Actual</b>	<b>Estimated</b>	<b>Projected</b>		
<b>A</b>	<b>Income from Investment, Fixed &amp; Call Deposits</b>							
	Income from Investments:							
	Interest on securities							
	Interest on fixed deposits	12.17	14.08	8.87				
	Income on other investments							
	Interest from Banks	0.00	0.00	0.00				
	Interest on (any other items)							
	<b>Sub-Total</b>	<b>12.17</b>	<b>14.08</b>	<b>8.87</b>				
<b>B</b>	<b>Other Non-Tariff Income</b>							
	Interest on Loans and Advances to staff	0.00		0.00				
	Interest on Loans and Advances to Licensee							
	Interest on Loans and Advances to Lessors							
	Interest on Loans and Advances to Suppliers/ Contractors				<b>5.75</b>	<b>5.75</b>	<b>5.75</b>	<b>5.75</b>
	Income from trading	0.00	0.00	0.24				
	Gain on sale of Fixed Assets							
	Income/Fees /Collections against staff welfare activities:							
	Miscellaneous Receipts:	1.48	1.64	0.71				
	Delayed Payment charges from Beneficiaries		0.96664	0.26				
	Net profit from UI charges							
	Penalty for contractor/ supplier for delay etc							
	Misc Charges							
	<b>Sub-Total</b>	<b>1.48</b>	<b>2.61</b>	<b>1.20</b>				
	<b>Grand Total</b>	<b>13.65</b>	<b>16.69</b>	<b>10.07</b>	<b>5.75</b>	<b>5.75</b>	<b>5.75</b>	<b>5.75</b>

**Name of Company: Assam Power Generation Corporation Limited**  
**Name of Plant/ Station: Lakwa Replacement Power Plant**

**INDEX OF FORMATS**

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3	Form	F2b	Plant Characteristics-Hydro
4	Form	F3a	Normative Parameters Considered for Tariff Computations-Thermal
5	Form	F3b	Normative Parameters Considered for Tariff Computations-Hydro
6	Form	F4	Generation Details and Variable Cost
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Instructions for the Applicant

- 1) Electronic copy in the form of CD/ Floppy Disc shall also be furnished
- 2) These formats are indicative in nature and the utility may align the line items to its chart of accounts

<b>Name of Company: Assam Power Generation Corporation Limited</b>									
<b>Name of Plant/ Station: Lakwa Replacement Power Plant</b>									
<b>Annual Revenue Requirement Summary</b>								<b>Form No: F1</b>	
									Rs Crore
		<b>Form</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>	<b>2022-23</b>	<b>2023-24</b>	<b>2024-25</b>
			<b>Actual</b>	<b>Actual</b>	<b>Actual</b>	<b>Estimated</b>	<b>Projected</b>		
<b>A</b>	<b>Generation</b>								
1	Gross Generation (MU)	F4	429.98	504.20	477.07	519.40	519.40	519.40	519.40
2	Aux Consumption (%)	F4	3.0%	2.9%	2.0%	2.6%	3.5%	3.5%	3.5%
3	Net Generation (MU)	F4	417.03	489.48	467.41	505.67	501.22	501.22	501.22
<b>B</b>	<b>Capacity Charges (Annual Fixed Charges)</b>								
1	O&M expenses (including Increase in AERC Tariff Fees)								
a	Employee Expenses	F21	14.63	13.30	21.30	22.74	30.37	31.76	33.20
b	R & M Expense	F20	3.57	6.64					
c	A&G Expense	F22	0.43	1.04					
2	Depreciation	F23	2.27	2.60	2.68	2.68	2.70	2.74	2.76
3	Interest on Loans	F14B	3.15	3.66	2.89	2.81	2.57	2.34	2.09
4	Return on Equity	F25	2.16	2.37	2.44	2.44	2.44	2.44	2.44
5	Interest on Working Capital	F26	3.94	3.74	2.97	3.38	4.80	4.48	4.97
6	Income Tax	F29	1.30	0.32	0.00	0.00	0.00	0.00	0.00
7	Cost of secondary fuel (only for coal based stations)	F4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Special allowance in lieu of R&M or separate compensation allowance				0.00	0.00	32.72	9.37	33.75
9	Capacity Building				0.00	0.00	0.09	0.07	0.07
10	Less: Other Income	F30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>Total</b>		<b>31.45</b>	<b>33.66</b>	<b>32.28</b>	<b>34.05</b>	<b>75.69</b>	<b>53.19</b>	<b>79.28</b>
<b>C</b>	<b>Variable Charges (Energy Charges)</b>								
	Energy Charges from Primary Fuel (Rs Cr) <sup>C1, C2, C3, C4</sup>	F4	79.77	95.13	64.45	77.63	94.92	94.94	94.96
	Energy Charges from Primary Fuel (Rs/ kWh)	F4	1.91	1.94	1.38	1.54	1.89	1.89	1.89
			2.67	2.63	2.07	2.21	3.40	2.96	3.48
	C1 - If multifuel is used simultaneously, energy charges to be given in respect of every fuel individually								
	C2 - Energy charge shall be computed for open cycle operation and combined cycle operation separately in case of gas/ liquid fuel fired plants								
	C3 - Energy charge shall be worked out based on ex-bus energy scheduled to be sent out								
									<b>Petitioner</b>

<b>Name of Company: Assam Power Generation</b>							
<b>Name of Plant/ Station: Lakwa Replacement #</b>							
<b>Plant Characteristics-Thermal</b>							<b>F2a</b>
<b>Unit(s)/ Block(s) Parameters</b>	<b>Unit I</b>	<b>Unit II</b>	<b>Unit III</b>	<b>Unit IV</b>	<b>Unit V</b>	<b>Unit VI</b>	<b>Unit VII</b>
Installed Capacity ( MW)	9.97	9.97	9.97	9.97	9.97	9.97	9.97
Schedule COD as per Investment Approval							
Actual COD /Date of Taken Over (as applicable)	26-04-18						
Pit Head or Non Pit Head	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Name of the Boiler Manufacture	WARTSILA, FINLAND OY						
Name of Turbine Generator Manufacture	ABB						
Main Steams Pressure at Turbine inlet (kg/Cm2) abs <sup>1</sup> .	N/A						
Main Steam Temperature at Turbine inlet (oC) <sup>1</sup>	N/A						
Reheat Steam Pressure at Turbine inlet (kg/Cm2) <sup>1</sup>	N/A						
Reheat Steam Temperature at Turbine inlet (oC) <sup>1</sup>	N/A						
Main Steam flow at Turbine inlet under MCR condition (tons /hr) <sup>2</sup>	N/A						
Main Steam flow at Turbine inlet under VWO condition (tons /hr) <sup>2</sup>	N/A						
Unit Gross electrical output under MCR /Rated condition (MW) <sup>2</sup>	9.97	9.97	9.97	9.97	9.97	9.97	9.97
Unit Gross electrical output under VWO condition (MW) <sup>2</sup>	9.97	9.97	9.97	9.97	9.97	9.97	9.97
Guaranteed Design Gross Turbine Cycle Heat Rate (kCal/kWh) <sup>3</sup>	1873	1873	1873	1873	1873	1873	1873
Conditions on which design turbine cycle heat rate guaranteed	NCV	NCV	NCV	NCV	NCV	NCV	NCV
% MCR							
% Makeup Water Consumption	N/A						
Design Capacity of Make up Water System							
Design Capacity of Inlet Cooling System							
Design Cooling Water Temperature (oC)							
Back Pressure							
Steam flow at super heater outlet under BMCR condition (tons/hr)							
Steam Pressure at super heater outlet under BMCR condition) (kg/Cm2)							
Steam Temperature at super heater outlet under BMCR condition (oC)							
Steam Temperature at Reheater outlet at BMCR condition (oC)	N/A						
Design / Guaranteed Boiler Efficiency (%) <sup>4</sup>							
Design Fuel with and without Blending of domestic/imported coal							
Type of Cooling Tower							
Type of cooling system <sup>5</sup>							
Type of Boiler Feed Pump <sup>6</sup>							
Fuel Details <sup>7</sup>							
-Primary Fuel	Natural gas						
-Secondary Fuel	N/A						
-Alternate Fuels	N/A						
Special Features/ Site Specific Features <sup>8</sup>	MAKEUP WATER SYSTEM						
Special Technological Features <sup>9</sup>	N/A						
Environmental Regulation related features <sup>10</sup>							
Any other special features							
1: At Turbine MCR condition.							
2: with 0% (Nil) make up and design Cooling water temperature							
3: at TMCR output based on gross generation. 0% (Nil) makeup and design Cooling water temperature.							
4: With Performance coal based on Higher Heating Value (HHV) of fuel and at BMCR) out put							
5: Closed circuit cooling, once through cooling, sea cooling, natural draft cooling, induced draft cooling etc.							
6: Motor driven, Steam turbine driven etc.							
7: Coal or natural gas or Naptha or lignite etc.							
8: Any site specific feature such as Merry-Go-Round, Vicinity to sea, Intake /makeup water systems etc. scrubbers etc. Specify all such features							
9: Any Special Technological feature like Advanced class FA technology in Gas Turbines, etc.							
10: Environmental Regulation related features like FGD, ESP etc.,							
Note 1: In case of deviation from specified conditions in Regulation, correction curve of manufacturer may also be submitted.							
Note 2: Heat Balance Diagram has to be submitted along with above information in case of new stations.							
Note 3: The Terms – MCR, BMCR, HHV, Performance coal, are as defined in CEA Technical Standards for Construction of Electric Plants and Electric Lines Regulations – 2010 notified by the							





Name of Company: Assam Power Generation Corporation Limited  
Name of Plant/ Station: Lakwa Replacement Power Plant

Abstract of admitted Capital Cost for the existing Project

Form No:

F5

	Particulars	Unit	Details
	<b>Last date of order of Commission for the project as on 31.03.2020</b>		
1	Capital Cost as admitted by AERC	Rs Lakhs	<b>26874</b>
2	Amount of un-discharged liabilities included in above (& forming part of admitted capital cost)	Rs Lakhs	<b>NIL</b>
3	Amount of un-discharged liabilities corresponding to above admitted capital cost (but not forming part of admitted capital cost being allowed on cash basis)	Rs Lakhs	<b>NIL</b>
4	Gross Normative Debt	Rs Lakhs	<b>3711</b>
5	Cumulative Repayment	Rs Lakhs	<b>1620.00</b>
6	Net Normative Debt	Rs Lakhs	<b>2091.00</b>
7	Normative Equity	Rs Lakhs	<b>1574</b>
8	Cumulative Depreciation	Rs Lakhs	<b>1620.00</b>
9	Freehold land	Rs Lakhs	<b>NIL</b>

Petitioner

Name of Company: Assam Power Generation Corporation  
Name of Plant/ Station: Lakwa Replacement Power Plant

Statement showing claimed capital cost

Form No: F5a

	Particulars	Unit	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
1	Opening Capital Cost	Rs Lakhs	-	25767.66	26840.66	26840.66	26840.66	26925.66	27005.66
2	Add: Addition during the year / period	Rs Lakhs	<b>25,801.00</b>	1073.44	0.00	0.00	85.00	80.00	30.00
3	Less: Decapitalisation during the year / period	Rs Lakhs			0.00	0.00	0.00	0.00	0.00
4	Less: Reversal during the year / period	Rs Lakhs	0.00	0.00					
5	Add: Discharges during the year / period	Rs Lakhs	0	0.00					
6	Closing Capital Cost	Rs Lakhs	<b>25,801.00</b>	<b>26,841.11</b>	26840.66	26840.66	26925.66	27005.66	27035.66
7	Average Capital Cost	Rs Lakhs	12,900.50	26,304.38	26840.66	26840.66	26883.16	26965.66	27020.66

Petitioner



Name of Company: Assam Power Generat

Name of Plant/ Station: Lakwa Replaceme

Details of Project Specific Loans

Form No:

F13

Rs. Lakhs

Particulars	LRPP		Package 3	Package 4	Package 5	Package 6
Source of Loan <sup>1</sup>	I GOA -Loans					
Currency <sup>2</sup>	INR					
Amount of Loan sanctioned	2642					
Amount of Gross Loan drawn upto 31.03.2021 COD <sup>3,4,5,13,15</sup>	2642					
Interest Type <sup>6</sup>	Fixed					
Fixed Interest Rate, if applicable	10%					
Base Rate, if Floating Interest <sup>7</sup>						
Margin, if Floating Interest <sup>8</sup>	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
Are there any Caps/Floor <sup>9</sup>						
If above is yes,specify caps/floor						
Moratorium Period <sup>10</sup>						
Moratorium effective from						
Repayment Period <sup>11</sup>						
Repayment effective from						
Repayment Frequency <sup>12</sup>						
Repayment Instalment <sup>13,14</sup>						
Base Exchange Rate <sup>16</sup>						
Are foreign currency loan hedged?						
If above is yes,specify details <sup>17</sup>						

Note:

<sup>1</sup> Source of loan means the agency from whom the loan has been taken such as WB, ADB, WMB, PNB, SBI, ICICI, IFC, PFC etc.

<sup>2</sup> Currency refers to currency of loan such as US\$, DM, Yen, Indian Rupee etc.

<sup>3</sup> Details are to be submitted as on 31.03.2015 for existing assets and as on COD for the remaining assets.

<sup>4</sup> Where the loan has been refinanced, details in the Form is to be given for the loan refinanced. However, the details of the original loan is to be given separately in the same form.

<sup>5</sup> If the Tariff in the petition is claimed separately for various units, details in the Form is to be given separately for all the units in the same form.

<sup>6</sup> Interest type means whether the interest is fixed or floating.

<sup>7</sup> Base rate means the base as PLR, LIBOR etc. over which the margin is to be added. Applicable base rate on different dates from the date of draw may also be enclosed.

<sup>8</sup> Margin means the points over and above the floating rate.

<sup>9</sup> At times caps/ floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.

<sup>10</sup> Moratorium period refers to the period during which loan servicing liability is not required.

<sup>11</sup> Repayment period means the repayment of loan such as 7 years, 10 years, 25 years etc.

<sup>12</sup> Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual, etc.

<sup>13</sup> Where there is more than one drawal/repayment for a loan, the date & amount of each drawal/repayment may also be given separately

<sup>14</sup> If the repayment instalment amount and repayment date can not be worked out from the data furnished above, the repayment schedule to be

<sup>15</sup> In case of Foreign loan, date of each drawal & repayment alongwith exchange rate at that date may be given.

<sup>16</sup> Base exchange rate means the exchange rate prevailing as on 31.03.2015 for existing assets and as on COD for the remaining assets.

<sup>17</sup> In case of hedging, specify details like type of hedging, period of hedging, cost of hedging, etc.

<sup>18</sup> In case of foreign loans, provide details of exchange rate considered on date of each repayment of principal and date of interest payment.

<sup>19</sup> At the time of truing up rate of interest with relevant reset date (if any) to be furnished separately.

<sup>20</sup> At the time of truing up provide details of refinancing of loans considered earlier. Details such as date on which refinancing done, amount of refinanced loan, terms and conditions of refinanced loan, financing and other charges incurred for refinancing etc.

Petitioner

<b>Name of Company: Assam Power Generation Corporation</b>								
<b>Name of Plant/ Station: Lakwa Replacement Power Plant</b>								
<b>Calculation of Weighted Average Rate of Interest on Actual Loans</b>							Form No:	F14a
		<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>	<b>2022-23</b>	<b>2023-24</b>	<b>2024-25</b>
	<b>Particulars</b>	<b>Actual</b>	<b>Actual</b>	<b>Actual</b>	<b>Estimated</b>	<b>Projected</b>		
	<b>Loan-1 from PFCL</b>							
	Gross loan - Opening							
	Cumulative repayments of Loans upto previous year							
	Net loan - Opening	414.02	387.03	364.92	346.12	476.25	437.34	407.53
	Add: Drawal(s) during the Year	0.00	21.28	26.38	173.26	0.00	0.00	0.00
	Less: Repayment (s) of Loans during the year	32.08	43.39	45.18	43.13	38.91	29.81	25.56
	Net loan - Closing	381.94	364.92	346.12	476.25	437.34	407.53	381.97
	Average Net Loan	397.98	375.97	355.52	411.19	456.80	422.44	394.75
	Rate of Interest on Loan on annual basis	11.64%	11.54%	11.97%	14.54%	11.71%	11.77%	11.80%
	Interest on loan	48.20	44.68	43.66	50.33	55.76	51.48	48.09
	<b>Loan-2 Govt. of Assam</b>							
	Gross loan - Opening							
	Cumulative repayments of Loans upto previous year							
	Net loan - Opening	206.75	239.80	278.95	603.22	603.28	645.47	683.35
	Add: Drawal(s) during the Year	27.98	9.98	-18.26	0.29	42.19	37.88	29.26
	Less: Repayment (s) of Loans during the year	-10.39	-21.69	-23.51	0.00	0.00	0.00	0.00
	Net loan - Closing	245.12	271.48	284.20	603.51	645.47	683.35	712.61
	Average Net Loan	225.93	255.64	281.57	603.37	624.38	664.41	697.98
	Rate of Interest on Loan on annual basis	6.93%	7.61%	7.55%	10.00%	10.35%	10.29%	10.21%
	Interest on loan	14.33	18.25	21.06	60.31	62.44	66.44	69.80
	<b>Total Loan</b>							
	Gross loan - Opening							
	Cumulative repayments of Loans upto previous year							
	Net loan - Opening	620.77	626.83	643.87	949.34	1079.53	1082.81	1090.88
	Add: Drawal(s) during the Year	27.98	31.26	8.13	173.55	42.19	37.88	29.26
	Less: Repayment (s) of Loans during the year	21.69	21.69	21.67	43.13	38.91	29.81	25.56
	Net loan - Closing	627.05	636.40	630.32	1079.76	1082.81	1090.88	1094.58
	Average Net Loan	623.91	631.61	637.09	1014.55	1081.17	1086.85	1092.73
	Interest on loan	62.53	62.93	64.73	110.64	118.19	117.93	117.89
	<b>Weighted average Rate of Interest on Loans</b>	10.07%	10.04%	10.16%	10.91%	10.93%	10.85%	10.79%
	Note:							
	1. In case of Foreign Loans, the calculations in Indian Rupees is to be furnished. However, the calculations in Original currency is also to be furnished separately in the same form.							
								<b>Petitioner</b>



Name of Company: Assam Power Gene

Name of Plant/ Station: Lakwa Replace

Details of Allocation of corporate loans to various projects

Form No: F15

Rs. Lakhs

Particulars	II GOA -Loans (Source_ADB)					Package 6
Source of Loan <sup>1</sup>	II GOA -Loans (Source_ADB)					
Currency <sup>2</sup>	INR					
Amount of Loan sanctioned	2629.50					
Amount of Gross Loan drawn upto 31.03.2021/ COD <sup>3,4,5,13,15</sup>	2629.50					
Interest Type <sup>6</sup>						
Fixed Interest Rate, if applicable	10%					
Base Rate, if Floating Interest <sup>7</sup>						
Margin, if Floating Interest <sup>8</sup>	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
Are there any Caps/Floor <sup>9</sup>						
If above is yes,specify caps/floor						
Moratorium Period <sup>10</sup>						
Moratorium effective from						
Repayment Period <sup>11</sup>						
Repayment effective from						
Repayment Frequency <sup>12</sup>						
Repayment Instalment <sup>13,14</sup>						
Base Exchange Rate <sup>16</sup>						
Are foreign currency loan hedged?						
If above is yes,specify details <sup>17</sup>						

Distribution of loan packages to various projects

Name of the Projects						Total
Project 1						
Project 2						
Project 3 and so on						

Note:

<sup>1</sup> Source of loan means the agency from whom the loan has been taken such as WB, ADB, WMB, PNB, SBI, ICICI, IFC, PFC etc.

<sup>2</sup> Currency refers to currency of loan such as US\$, DM, Yen, Indian Rupee etc.

<sup>3</sup> Details are to be submitted as on 31.03.2015 for existing assets and as on COD for the remaining assets.

<sup>4</sup> Where the loan has been refinanced, details in the Form is to be given for the loan refinanced. However, the details of the original loan is to be given separately in the same form.

<sup>5</sup> If the Tariff in the petition is claimed separately for various units, details in the Form is to be given separately for all the units in the same

<sup>6</sup> Interest type means whether the interest is fixed or floating.

<sup>7</sup> Base rate means the base as PLR, LIBOR etc. over which the margin is to be added. Applicable base rate on different dates from the date of drawl may also be enclosed.

<sup>8</sup> Margin means the points over and above the floating rate.

<sup>9</sup> At times caps/ floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.

<sup>10</sup> Moratorium period refers to the period during which loan servicing liability is not required.

<sup>11</sup> Repayment period means the repayment of loan such as 7 years, 10 years, 25 years etc.

<sup>12</sup> Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual, etc.

<sup>13</sup> Where there is more than one drawal/repayment for a loan, the date & amount of each drawal/repayment may also be given separately

<sup>14</sup> If the repayment instalment amount and repayment date can not be worked out from the data furnished above, the repayment schedule

<sup>15</sup> In case of Foreign loan, date of each drawal & repayment alongwith exchange rate at that date may be given.

<sup>16</sup> Base exchange rate means the exchange rate prevailing as on 31.03.2015 for existing assets and as on COD for the remaining assets.

<sup>17</sup> In case of hedging, specify details like type of hedging, period of hedging, cost of heging, etc.

<sup>18</sup> In case of foreign loans, provide details of exchange rate considered on date of each repayment of principal and date of interest payment.

<sup>19</sup> At the time of truing up rate of interest with relevant reset date (if any) to be furnished separately.

<sup>20</sup> At the time of truing up provide details of refinancing of loans considered earlier. Details such as date on which refinancing done, amount of refinanced loan, terms and conditions of refinanced loan, financing and other charges incurred for refinancing etc.

Petitioner

Name of Company: Assam Power Generation C

Name of Plant/ Station: Lakwa Replacement P

Statement of Additional Capitalisation after COD									Form No:	F16	
Rs. Lakhs											
No	Head of Work/ Equipment	Actual/ Projected additional capital expenditure claimed							Regulations under which claimed	Justification	Admitted Cost by Commission if any
		2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25			
1	Land	-	-	-	-	-	-	-			
2	Building	-	-	-	-	-	-	-			
3	Hydraulic works	-	-	-	-	-	-	-			
4	Other civil works	2,436.46	-	-	-	65.00	30.00	30.00			
5	Plant & machinery- Gas	#####	1,073.44	-	-	20.00	50.00	-			
6	Plant & machinery- Hydel	-	-	-	-	-	-	-			
7	Lines & cables	-	-	-	-	-	-	-			
8	Vehicle	-	-	-	-	-	-	-			
9	Furniture	-	-	-	-	-	-	-			
10	Other office equipment	-	-	-	-	-	-	-			
11	Roads on land belonging to others	-	-	-	-	-	-	-			
12	Capital spares at Generating Stations	-	-	-	-	-	-	-			

Note:

- 1 Fill the form in chronological order year wise along with detailed justification clearly bring out the necessity and the benefits accruing to the beneficiaries.
- 2 In case initial spares are purchased alongwith any equipment, then the cost of such spares should be indicated separately. e.g. Rotor - 50 Crs. Initial spares- 5 Crs.
- 3 Actual/Projected additional capital expenditure claimed for past period shall be governed by Tariff Regulation for the relevant period

Petitioner

Name of Company: Assam Power Generation (

Name of Plant/ Station: Lakwa Replacement P

Date of Commercial Operation:

Financing of Additional Capitalisation

Form No:

F17

Rs. Crore

Financial Year (Starting from COD)							
	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
Amount capitalised in Work/ Equipment							
Financing Details							
GOA Loan	4.34	2.10	0.00	0.00	0.85	0.80	0.30
Loan-2							
<b>Total Loan<sup>2</sup></b>	<b>4.34</b>	<b>2.10</b>	<b>0.00</b>	<b>0.00</b>	<b>0.85</b>	<b>0.80</b>	<b>0.30</b>
Grant	208.56	7.40	0.00	0.00	0.85	0.80	0.30
Equity	1.86	0.90	0.00	0.00	0.00	0.00	0.00
Internal Resources							
Others							
<b>Total</b>	<b>214.76</b>	<b>10.40</b>	<b>0.00</b>	<b>0.00</b>	<b>1.70</b>	<b>1.60</b>	<b>0.60</b>

<sup>1</sup> Year 1 refers to Financial Year of COD and Year 2, Year 3 etc. are the subsequent financial years respectively.

<sup>2</sup> Loan details for meeting the additional capitalisation requirement should be given as per Form 14 and Form 15 which



<b>Name of Company: Assam Power Generation Corporation Ltd</b>							
<b>Name of Plant/ Station: Lakwa Replacement Power Plant</b>							
<b>Employee Expenses</b>						<b>Form No: F21</b>	
							Rs. Crore
	<b>Particulars</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>	<b>2022-23</b>	<b>2023-24</b>
		<b>Actual</b>	<b>Actual</b>	<b>Actual</b>	<b>Estimated</b>	<b>Projected</b>	
1	Salaries	10.21	8.57				
2	Additional Pay	-	-				
3	Dearness Allowance (DA)	0.88	1.48				
4	Other Allowances & Relief	1.06	1.39				
5	Addl. Pay & C.Off Encashment	-	-				
6	Interim Relief / Wage Revision	-	-				
7	Honorarium/Overtime	0.29	0.40				
8	Bonus/ Exgratia To Employees	0.01	0.01				
9	Medical Expenses Reimbursement	0.01	0.02				
10	Travelling Allowance(Conveyance Allowance)	-	-				
11	Leave Travel Assistance	0.01	0.00				
12	Earned Leave Encashment	-	-				
13	Payment Under Workman's Compensation And Gratuity	-	-				
14	Subsidised Electricity To Employees	-	-				
15	Any Other Item	-	-				
16	Staff Welfare Expenses	0.03	-				
	Capacity Building Expenses	-	-				
17	Apprentice And Other Training Expenses	-	-				
18	Contribution To Terminal Benefits	2.13	1.44				
19	Provident Fund Contribution	-	-				
20	Provision for PF Fund	-	-				
21	Any Other Items (ROP)	-	0.00				
	<b>Total Employee Costs</b>	<b>14.63</b>	<b>13.30</b>				
22	Less: Employee expenses capitalised	0.00	0.00				
	<b>Net Employee expenses (D)-(E)</b>	<b>14.63</b>	<b>13.30</b>				
							<b>Petitioner</b>

APGCL is claiming normative O&M expenses as a whole for FY2020-21 to FY2024-25. Breakup of Actual R&M, Employee Expenses and A&G expenses are shown in the Excel True Up 2020-21\_vfinal.xlsx - Sheet "O&M"





Name of Company: Assam Power Gen																
Name of Plant/ Station: Lakwa Replacement Power Plant																
Fixed Assets and Depreciation															Form No:	F23
Rs. Crore																
Name of Asset	Depreciation rate <sup>1</sup>	2018-19 Actuals					2019-20 Actuals					2020-21 Actuals				
		Opening	Addition	Adjustment & Deduction	Depreciation	Closing	Opening	Addition	Adjustment & Deduction	Depreciation	Closing	Opening	Addition	Adjustment & Deduction	Depreciation	Closing
1 Land	0.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2 Building	3.34%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3 Hydraulic works	5.28%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4 Other civil works	3.34%	-	24.36	-	0.73	24.36	24.36	-	-	0.81	24.36	24.36	-	-	0.81	24.36
5 Plant & machinery- Gas	5.28%	-	233.65	-	11.10	233.65	233.31	10.73	-	12.66	244.05	244.04	-	-	12.89	244.04
6 Plant & machinery- Hydel	5.28%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7 Lines & cables	5.28%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8 Vehicle	9.50%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9 Furniture	6.33%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10 Other office equipment	6.33%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11 Roads on land belonging to others	3.34%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12 Capital spares at Generating Stations	5.28%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0.00%	-	258.01	-	11.83	258.01	257.68	10.73	-	13.47	268.41	268.41	-	-	13.70	268.41
<b>Less: Depreciation on Grant</b>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Grant in Capital Asset</b>		-	-	-	208.56	-	-	-	-	215.96	-	-	-	-	215.89	-
<b>Rate of Depreciation</b>		-	-	-	0.09	-	-	-	-	0.05	-	-	-	-	0.05	-
<b>Depreciation on 90% of the Assets funded by Grants/subsidies</b>		-	-	-	9.56	-	-	-	-	10.87	-	-	-	-	11.02	-
<b>Net Depreciation</b>		-	-	-	2.27	-	-	-	-	2.60	-	-	-	-	2.68	-
<sup>1</sup> Depreciation Rates as per AERC's Depreciation Rate Schedule																
<sup>2</sup> Name of the Assets should conform to the description of the assets mentioned in Depreciation schedule of AERC																
															<b>Petitioner</b>	

Name of Company: Assam Power Generation Corporation Limited																					Form No: F23	
Name of Plant/ Station: Lakwa Replacement Power Plant																					Rs. Crore	
Fixed Assets and Depreciation																						
Name of Asset	Depreciation rate <sup>1</sup>	2021-22					2022-23					2023-24					2024-25					
		Estimated					Projected					Projected					Projected					
		Opening	Addition	Adjustment & Deduction	Depreciation	Closing	Opening	Addition	Adjustment & Deduction	Depreciation	Closing	Opening	Addition	Adjustment & Deduction	Depreciation	Closing	Opening	Addition	Adjustment & Deduction	Depreciation	Closing	
1 Land	0.00%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2 Building	3.34%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Hydraulic works	5.28%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Other civil works	3.34%	24.36	-	-	0.81	24.36	24.36	0.65	-	0.82	25.01	25.01	0.30	-	0.83	25.31	25.31	0.30	-	0.83	25.61	
3 Plant & machinery-Gas	5.28%	244.04	-	-	12.89	244.04	244.04	0.20	-	12.89	244.24	244.24	0.50	-	12.90	244.74	244.74	-	-	12.90	244.74	
4 Plant & machinery-Hydel	5.28%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5 Lines & cables	5.28%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6 Vehicle	9.50%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7 Furniture	6.33%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other office equipment	6.33%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Roads on land belonging to others	3.34%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Capital spares at Generating Stations	5.28%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		268.41	-	-	13.70	268.41	268.41	0.85	-	13.72	269.26	269.26	0.80	-	13.73	270.06	270.06	0.30	-	13.74	270.36	
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		-	-	-	215.89	-	-	-	-	215.89	-	-	-	-	215.89	-	-	-	-	-	215.89	-
		-	-	-	0.05	-	-	-	-	0.05	-	-	-	-	0.05	-	-	-	-	-	0.05	-
		-	-	-	11.02	-	-	-	-	11.01	-	-	-	-	11.00	-	-	-	-	-	10.98	-
		-	-	-	2.68	-	-	-	-	2.70	-	-	-	-	2.74	-	-	-	-	-	2.76	-
<sup>1</sup> Depreciation Rates as per AERC's Depreciation Rate Schedule																						
<sup>2</sup> Name of the the Assets should conform to the description of the assets mentioned in Depreciation schedule of AERC																						
																				Petitioner		

Name of Company: Assam Power Corporation Limited													
Name of Plant/ Station: Lakshmi Narayan													
Details computation of Interest on Loans							Details computation of Interest on Loans						
Loan Details	Loan Tenure (yrs)	2018-19						2019-20					
		Actual						Actual					
		Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance
<b>A Secured Loans</b>													
<b>I PFC Loans</b>													
KLHEP	15	10%	3128.52	0.00	-834.27	267.52	2294.25	10%	2294	0	-834	190	1460
NTPS(R&M)	13	0%	0.00	0.00	0.00	0.00	0.00	0%	0	0	0	0	0
LTPS(R&M)	20	12%	7099.83	0.00	-1335.06	782.20	5764.77	12%	5765	0	-1335	611	4430
NRPP	15	12%	31173.72	0.00	-1039.12	3769.92	30134.59	12%	30643	2128	-2169	3667	30602
<b>Sub-total</b>	<b>0</b>	<b>12%</b>	<b>41402.07</b>	<b>0.00</b>	<b>-3208.46</b>	<b>4819.64</b>	<b>38193.61</b>	<b>12%</b>	<b>38703</b>	<b>2128</b>	<b>-4339</b>	<b>4468</b>	<b>36492</b>
<b>B Unsecured Loans</b>													
<b>I GOA -Loans</b>													
Rural electrification	10	10%	10.00	0.00	0.00	1.00	10.00	10%	10	0	0	1	10
NRPP Ph-I	10	10%	1472.50	0.00	0.00	147.25	1472.50	10%	1473	264	0	147	1737
LWHRP	10	10%	886.30	0.00	0.00	88.63	886.30	10%	886	0	0	89	886
Lower Kopili HEP	10	10%	1975.00	0.00	0.00	197.50	1975.00	10%	1975	0	0	198	1975
R&M NTPS	10	10%	3374.26	735.00	0.00	337.54	4109.26	10%	4109	166	0	411	4275
R&M LTPS	10	10%	2867.00	124.89	0.00	287.13	2991.89	10%	2992	1129	0	300	4121
LRPP	10	10%	153.05	0.00	0.00	15.30	153.05	10%	153	0	0	15	153
Lungnit SHEP	10	10%	400.00	0.00	0.00	40.00	400.00	10%	400	0	0	40	400
Myntriang SHEP	10	10%	1165.19	0.00	0.00	116.52	1165.19	10%	1165	0	0	117	1165
LTPS, Ph-II	10	10%	1805.00	0.00	0.00	180.50	1805.00	10%	1805	0	0	181	1805
Development of SHEP	10	10%	100.00	0.00	0.00	10.00	100.00	10%	100	0	0	10	100
Survey & Investigation of HEP	10	10%	70.00	0.00	0.00	7.00	70.00	10%	70	0	0	7	70
Non-Conventional source of HEP	10	10%	40.00	0.00	0.00	4.00	40.00	10%	40	0	0	4	40
KLHEP	10	10%	7867.48	1733.31	0.00	787.89	9600.80	10%	9601	1698	0	972	11299
KLHEP (upper)	10	10%	215.00	0.00	0.00	21.50	215.00	10%	215	0	0	22	215
KLHEP (intermediate)	10	10%	250.00	0.00	0.00	25.00	250.00	10%	250	0	0	25	250
Dhansiri HEP	10	10%	104.00	0.00	0.00	10.40	104.00	10%	104	0	0	10	104
Setting up of a 200MW (CCGT)	10	10%	15.00	0.00	0.00	1.50	15.00	10%	15	0	0	2	15
Borgolai	10	10%	425.00	0.00	0.00	42.50	425.00	10%	425	0	0	43	425
Revival of TPS	10	10%	50.00	24.45	0.00	5.01	74.45	10%	74	0	0	7	74
Development of Amguri	10	10%	50.00	0.00	0.00	5.00	50.00	10%	50	0	0	5	50
EAP consulting service	10	10%	37.45	0.00	0.00	3.75	37.45	10%	37	0	0	4	37
Golaghat	10	10%	37.00	0.00	0.00	3.70	37.00	10%	37	0	0	4	37
Boundary wall of Jagiroad	10	10%	53.79	0.00	0.00	5.38	53.79	10%	54	0	0	5	54
Station heat Rate	10	10%	31325.00	0.00	0.00	3132.50	31325.00	10%	31325	0	0	3133	31325
Solar NTPS	10	10%	404.00	0.00	0.00	40.40	404.00	10%	404	0	0	40	404
Disaster	0	0%	0.00	0.00	0.00	0.00	0.00	10%	0	2	0	0	2
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>55152.02</b>	<b>2617.65</b>	<b>0.00</b>	<b>5516.90</b>	<b>57769.67</b>	<b>0%</b>	<b>57770</b>	<b>3260</b>	<b>0</b>	<b>5789</b>	<b>61029</b>
<b>C II GOA -Loans (Source AD)</b>													
LRPP	0	10%	2161.49	155.85	0.00	227.80	2317.34	10%	2317	126	0	242	2444
ADB Consultancy	0	10%	37.61	1.53	0.00	3.83	39.13	10%	39	7	0	4	46
Lower Kopili HEP	0	10%	7.83	74.54	0.00	5.33	82.36	10%	82	58	0	12	140
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>2206.92</b>	<b>231.91</b>	<b>0.00</b>	<b>236.95</b>	<b>2438.83</b>	<b>0%</b>	<b>2439</b>	<b>191</b>	<b>0</b>	<b>258</b>	<b>2630</b>
<b>D Other Interest &amp; Finance Charges</b>													
Cost of raising Finance / Bank Charges	0	0%	0.00	0.00	0.00	5.18	0.00	0%	0	0	0	7	0
Interest on Security Deposit	0	0%	0.00	0.00	0.00	0.00	0.00	0%	0	0	0	0	0
Penal Interest Charges	0	0%	0.00	0.00	0.00	0.00	0.00	0%	0	0	0	0	0
Lease Rentals	0	0%	0.00	0.00	0.00	0.00	0.00	0%	0	0	0	0	0
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5.18</b>	<b>0.00</b>	<b>0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>0</b>
<b>E Grand Total Of Interest &amp; Finance Charges (A + B + C+ D)</b>													
	<b>0</b>	<b>0%</b>	<b>98761.01</b>	<b>2849.56</b>	<b>-3208.46</b>	<b>10578.67</b>	<b>98402.11</b>	<b>0%</b>	<b>98911</b>	<b>5578</b>	<b>-4339</b>	<b>10522</b>	<b>100151</b>

Name of Company: Assam Power Corporation Limited														
Name of Plant/ Station: Lakshmi Narayan														
Details computation of Interest on							Details computation of Interest on							
Loan Details	Loan Tenure (yrs)	2018-19						2019-20						
		Actual						Actual						
		Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	
F														
Less: Interest & Finance Charges Capitalised	0	0%	0.00	0.00	0.00	4251.48	0.00	0%	0	0	0	0	4193	0
<b>Net Total Of Interest &amp; Finance Charges (E-F)</b>	<b>0</b>	<b>0%</b>	<b>98761.01</b>	<b>2849.56</b>	<b>-3208.46</b>	<b>6327.20</b>	<b>98402.11</b>	<b>0%</b>	<b>98911</b>	<b>5578</b>	<b>-4339</b>	<b>6329</b>	<b>100151</b>	

Name of Company: Assam Power Corporation Limited													
Name of Plant/ Station: Lakshmi Narayan													
Is computation of Interest on Loan													
Loan Details	Loan Tenure (yrs)	2020-21						2021-22					
		Actual						Estimated					
		Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance
<b>A Secured Loans</b>													
<b>I PFC Loans</b>													
KLHEP	15	12%	1460	0	-832	126	628	12%	628	0	-628	38	0
NTPS(R&M)	13	0%	0	0	0	0	0	0%	0	0	0	0	0
LTPS(R&M)	20	13%	4430	0	-1335	495	3095	13%	3095	0	-1335	319	1760
NRPP	15	12%	30602	2638	-2351	3746	30890	12%	30890	17326	-2351	4675	45865
<b>Sub-total</b>	<b>0</b>	<b>12%</b>	<b>36492</b>	<b>2638</b>	<b>-4518</b>	<b>4366</b>	<b>34612</b>	<b>12%</b>	<b>34612</b>	<b>17326</b>	<b>-4313</b>	<b>5033</b>	<b>47625</b>
<b>B Unsecured Loans</b>													
<b>I GOA -Loans</b>													
Rural electrification	10	10%	10	0	0	1	10	10%	10	0	0	1	10
NRPP Ph-I	10	10%	1013	0	0	101	1013	10%	1013	0	0	101	1013
LWHRP	10	10%	886	0	0	89	886	10%	886	0	0	89	886
Lower Kopili HEP	10	10%	1975	0	0	198	1975	10%	1975	0	0	198	1975
R&M NTPS	10	10%	4999	47	0	500	5046	10%	5046	0	0	505	5046
R&M LTPS	10	10%	4121	635	0	413	4755	10%	4755	0	0	476	4755
LRPP	10	10%	153	0	0	15	153	10%	153	0	0	15	153
Lungnit SHEP	10	10%	400	0	0	40	400	10%	400	0	0	40	400
Myntriang SHEP	10	10%	1165	305	0	117	1470	10%	1470	0	0	147	1470
LTPS, Ph-II	10	10%	1805	0	0	181	1805	10%	1805	0	0	181	1805
Development of SHEP	10	10%	100	0	0	10	100	10%	100	0	0	10	100
Survey & Investigation of HE	10	10%	70	0	0	7	70	10%	70	0	0	7	70
Non-Conventional source of	10	10%	40	0	0	4	40	10%	40	0	0	4	40
KLHEP	10	10%	11299	131	0	1130	11430	10%	11430	29	0	1144	11460
KLHEP (upper)	10	10%	215	0	0	22	215	10%	215	0	0	22	215
KLHEP (intermediate)	10	10%	250	0	0	25	250	10%	250	0	0	25	250
Dhansiri HEP	10	10%	104	0	0	10	104	10%	104	0	0	10	104
Setting up of a 200MW (CC	10	10%	15	0	0	2	15	10%	15	0	0	2	15
Borgolai	10	10%	425	0	0	43	425	10%	425	0	0	43	425
Revival of TPS	10	10%	74	0	0	7	74	10%	74	0	0	7	74
Development of Amguri	10	10%	50	0	0	5	50	10%	50	0	0	5	50
EAP consulting service	10	10%	37	0	0	4	37	10%	37	0	0	4	37
Golaghat	10	10%	37	0	0	4	37	10%	37	0	0	4	37
Boundary wall of Jagiroad	10	10%	54	0	0	5	54	10%	54	0	0	5	54
Station heat Rate	10	10%	31325	0	0	3133	31325	10%	31325	0	0	3133	31325
Solar NTPS	10	10%	404	0	0	40	404	10%	404	0	0	40	404
Disaster	0	10%	2	0	0	0	2	10%	2	0	0	0	2
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>61052</b>	<b>1118</b>	<b>0</b>	<b>6104</b>	<b>62170</b>	<b>0%</b>	<b>62170</b>	<b>29</b>	<b>0</b>	<b>6216</b>	<b>62176</b>
<b>C II GOA -Loans (Source AD</b>													
LRPP	0	10%	2444	0	0	244	2444	10%	2444	0	0	244	2444
ADB Consultancy	0	10%	46	0	0	5	46	10%	46	0	0	5	46
Lower Kopili HEP	0	10%	140	0	0	14	140	10%	140	0	0	14	140
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>2630</b>	<b>0</b>	<b>0</b>	<b>263</b>	<b>2630</b>	<b>0%</b>	<b>2630</b>	<b>0</b>	<b>0</b>	<b>263</b>	<b>2630</b>
<b>D Other Interest &amp; Finance Charges</b>													
Cost of raising Finance / Bank Charges	0	0%	0	0	0	4	0	0%	0	0	0	0	0
Interest on Security Deposit	0	0%	0	0	0	0	0	0%	0	0	0	0	0
Penal Interest Charges	0	0%	0	0	0	0	0	0%	0	0	0	0	0
Lease Rentals	0	0%	0	0	0	0	0	0%	0	0	0	0	0
<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>E Grand Total Of Interest &amp; Finance Charges (A + B + C+ D)</b>													
	<b>0</b>	<b>0%</b>	<b>100174</b>	<b>3756</b>	<b>-4518</b>	<b>10738</b>	<b>99412</b>	<b>0%</b>	<b>99412</b>	<b>17355</b>	<b>-4313</b>	<b>11512</b>	<b>112431</b>

Name of Company: Assam Po														
Name of Plant/ Station: Lakw														
Is computation of Interest on loan														
Loan Details	Loan Tenure (yrs)	2020-21						2021-22						
		Actual						Estimated						
		Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	
F	Less: Interest & Finance Charges Capitalised	0	0%	0	0	0	4247	0	0%	0	0	0	0	0
	<b>Net Total Of Interest &amp; Finance Charges (E-F)</b>	<b>0</b>	<b>0%</b>	<b>100174</b>	<b>3756</b>	<b>-4518</b>	<b>6491</b>	<b>99412</b>	<b>11%</b>	<b>99412</b>	<b>17355</b>	<b>-4313</b>	<b>11512</b>	<b>112431</b>





Name of Company: Assam Po														
Name of Plant/ Station: Lakw														
Is computation of Interest on I														
	Loan Details	Loan Tenure (yrs)	2022-23					2023-24						
			Projected					Projected						
			Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance
F	Less: Interest & Finance Charges Capitalised	0	0%	0	0	0	0	0	0	0	0	0	0	
	<b>Net Total Of Interest &amp; Finance Charges (E-F)</b>	<b>0</b>	<b>11%</b>	<b>112431</b>	<b>0</b>	<b>-3891</b>	<b>12267</b>	<b>112759</b>	<b>11%</b>	<b>112759</b>	<b>3788</b>	<b>-2981</b>	<b>12240</b>	<b>113566</b>

Name of Company: Assam Power Corporation Limited								
Name of Plant/ Station: Lakshmi								
Its computation of Interest on						Form No:	F24	
								Rs. Lakhs
		2024-25						
		Projected						
	Loan Details	Loan Tenure (yrs)	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance
<b>A</b>	<b>Secured Loans</b>							
	<b>I PFC Loans</b>							
	KLHEP	15	12%	0	0	0	0	0
	NTPS(R&M)	13	0%	0	0	0	0	0
	LTPS(R&M)	20	13%	0	0	0	0	0
	NRPP	15	12%	40753	0	-2556	4809	38197
	<b>Sub-total</b>	<b>0</b>	<b>12%</b>	<b>40753</b>	<b>0</b>	<b>-2556</b>	<b>4809</b>	<b>38197</b>
<b>B</b>	<b>Unsecured Loans</b>							
	<b>I GOA -Loans</b>							
	Rural electrification	10	10%	10	0	0	1	10
	NRPP Ph-I	10	10%	1214	505	0	147	1719
	LWHRP	10	10%	886	0	0	89	886
	Lower Kopili HEP	10	10%	1975	0	0	198	1975
	R&M NTPS	10	10%	5375	113	0	543	5489
	R&M LTPS	10	10%	8206	968	0	869	9174
	LRPP	10	10%	318	30	0	33	348
	Lungnit SHEP	10	10%	400	0	0	40	400
	Myntriang SHEP	10	10%	1470	0	0	147	1470
	LTPS, Ph-II	10	10%	1805	0	0	181	1805
	Development of SHEP	10	10%	100	0	0	10	100
	Survey & Investigation of HE	10	10%	70	0	0	7	70
	Non-Conventional source of	10	10%	40	0	0	4	40
	KLHEP	10	10%	15320	1310	0	1597	16630
	KLHEP (upper)	10	10%	215	0	0	22	215
	KLHEP (intermediate)	10	10%	250	0	0	25	250
	Dhansiri HEP	10	10%	104	0	0	10	104
	Setting up of a 200MW (CC	10	10%	15	0	0	2	15
	Borgolai	10	10%	425	0	0	43	425
	Revival of TPS	10	10%	74	0	0	7	74
	Development of Amguri	10	10%	50	0	0	5	50
	EAP consulting service	10	10%	37	0	0	4	37
	Golaghat	10	10%	37	0	0	4	37
	Boundary wall of Jagiroad	10	10%	54	0	0	5	54
	Station heat Rate	10	10%	31325	0	0	3133	31325
	Solar NTPS	10	10%	404	0	0	40	404
	Disaster	0	10%	2	0	0	0	2
	<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>70183</b>	<b>2926</b>	<b>0</b>	<b>7165</b>	<b>73109</b>
<b>C</b>	<b>II GOA -Loans (Source AD</b>	0	0%	0	0	0	0	0
	LRPP	0	10%	2444	0	0	244	2444
	ADB Consultancy	0	10%	46	0	0	5	46
	Lower Kopili HEP	0	10%	140	0	0	14	140
	<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>2630</b>	<b>0</b>	<b>0</b>	<b>263</b>	<b>2630</b>
<b>D</b>	<b>Other Interest &amp; Finance Charges</b>							
	Cost of raising Finance / Bank Charges	0	0%	0	0	0	0	0
	Interest on Security Deposit	0	0%	0	0	0	0	0
	Penal Interest Charges	0	0%	0	0	0	0	0
	Lease Rentals	0	0%	0	0	0	0	0
	<b>Sub-total</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>E</b>	<b>Grand Total Of Interest &amp; Finance Charges (A + B + C+ D)</b>	<b>0</b>	<b>0%</b>	<b>113566</b>	<b>2926</b>	<b>-2556</b>	<b>12237</b>	<b>113936</b>

Name of Company: Assam Po								
Name of Plant/ Station: Lakw								
Its computation of Interest on I							Form No:	F24
								Rs. Lakhs
Loan Details		Loan Tenure (yrs)	2024-25					
			Projected					
			Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance
F	Less: Interest & Finance Charges Capitalised	0	0%	0	0	0	0	0
<b>Net Total Of Interest &amp; Finance Charges (E-F)</b>		<b>0</b>	<b>11%</b>	<b>113566</b>	<b>2926</b>	<b>-2556</b>	<b>12237</b>	<b>113936</b>



Name of Company: Assam Power Generation Corp									
Name of Plant/ Station: Lakwa Replacement Power									
Working Capital Requirements							Form No: F26		
	Particulars	Unit	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
			Actual	Actual	Actual	Estimated	Projected		
<b>For Open-cycle Gas Turbine/ Combined Cycle thermal generating stations</b>									
1	Fuel expenses for 1 month *	Rs Crore	6.65	7.93	5.37	6.47	7.91	7.91	7.91
2	Liquid fuel stock for 15 days*	Rs Crore	0.00	1.00	2.00	3.00	4.00	5.00	6.00
3	Maintenance spares @ 30% of O&M	Rs Crore	5.59	6.29	6.39	6.82	9.11	9.53	9.96
4	O&M expenses for 1 month	Rs Crore	1.55	1.75	1.78	1.90	2.53	2.65	2.77
5	Receivables equivalent to 2 months of capacity and energy charge^	Rs Crore	18.54	21.47	16.12	18.61	28.44	24.69	29.04
<b>Total Working Capital Requirement</b>		Rs Crore	<b>32.33</b>	<b>37.43</b>	<b>29.66</b>	<b>33.80</b>	<b>47.99</b>	<b>44.77</b>	<b>49.68</b>
Rate of Interest #		%	12.20%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
<b>Interest on Normative Working Capital Requirement</b>		Rs Crore	<b>3.94</b>	<b>3.74</b>	<b>2.97</b>	<b>3.38</b>	<b>4.80</b>	<b>4.48</b>	<b>4.97</b>
* corresponding to target availability									
^ calculated on target availability									
# shall be equal to the interest rate equivalent to State Bank of India base rate as on 1st April of the respective year plus 350 basis points.									
							<b>Petitioner</b>		





Namrup Thermal Power Station		2021-22 (from Oct 2021 onwards)	2022-23	2023-24	2024-25	Remarks
<b>A. Gas supplied by OIL, Duliajan (APM)</b>						
1.00	Basic Price (for G.C.V. 10000)/ 1000 SCM	5079.38	5079.38	5079.38	5079.38	As per new gas price implemented from Oct'21
2.00	Basic Price after adjustment with CV	4675.47	4675.47	4675.47	4675.47	
3.00	Marketing Margin (for NCV 10000) /1000 SCM	200.00	200.00	200.00	200.00	
4.00	Marketing Margin after adjustment with CV	165.88	165.88	165.88	165.88	
	<b>Total</b>	<b>4841.35</b>	<b>4841.35</b>	<b>4841.35</b>	<b>4841.35</b>	
5.00	VAT @ 14.5% on above	702.00	702.00	702.00	702.00	
	<b>Total (A)</b>	<b>5543.34</b>	<b>5543.34</b>	<b>5543.34</b>	<b>5543.34</b>	
<b>B. T.C. for Transportation of the OIL Gas by AGCL</b>						
1.00	T.C./ 1000 SCM @ Rs. 1.81 / MMBTU	70.14	72.24	74.41	76.64	
2.00	GST @ 12%	8.42	8.67	8.93	9.20	
	<b>Total (B)</b>	<b>78.56</b>	<b>8.67</b>	<b>8.93</b>	<b>9.20</b>	
	<b>C. Landed price of gas supplied to NTPS (A+B)/ 1000 SCM</b>	<b>5621.90</b>	<b>5552.01</b>	<b>5552.27</b>	<b>5552.54</b>	
<b>Lakwa Thermal Power Station</b>						
		2021-22 (from Oct 2021 onwards)	2022-23	2023-24	2024-25	Remarks
<b>A. Gas supply by GAIL (APM)</b>						
1.00	Basic Price (for G.C.V. 10000)/ 1000 SCM	5079.38	5079.38	5079.38	5079.38	As per new gas price implemented from Oct'21
2.00	10% Royalty /1000 SCM	Included	Included	Included	Included	
	<b>Total</b>	<b>5079.38</b>	<b>5079.38</b>	<b>5079.38</b>	<b>5079.38</b>	
3.00	Basic Price after adjustment with CV	4860.79	4860.79	4860.79	4860.79	
4.00	Marketing Margin (for NCV 10000) /1000 SCM @ Rs. 5.04 / MMBTU	200.00	200.00	200.00	200.00	
5.00	Marketing Margin after adjustment with CV	172.71	172.71	172.71	172.71	
6.00	<b>Monthly Metering charge(Rs./ 1000 SCM)</b>	<b>24.67</b>	<b>25.41</b>	<b>26.17</b>	<b>26.95</b>	Yearly escalation 3% on TC as per agreement.
7.00	Sales Tax @ 14.5 % on above	733.43	733.54	733.65	733.77	
	<b>Landed price of gas supply to LTPS by GAIL / 1000 SCM(A)</b>	<b>5766.93</b>	<b>5767.04</b>	<b>5767.15</b>	<b>5767.26</b>	
<b>B. Gas supplied by OIL Duliajan (Non APM)</b>						
1.00	Basic Price (for G.C.V. 10000)/ 1000 SCM	8465.63	8465.63	8465.63	8465.63	As per new gas price implemented from Oct'21 - excluding North east discount as per contract
2.00	Basic Price after adjustment with CV	7792.45	7792.45	7792.45	7792.45	
3.00	Marketing Margin (for NCV 10000) /1000 SCM	200.00	200.00	200.00	200.00	
4.00	Marketing Margin after adjustment with CV	165.88	165.88	165.88	165.88	
	<b>Total</b>	<b>7958.33</b>	<b>7958.33</b>	<b>7958.33</b>	<b>7958.33</b>	
5.00	VAT @ 14.5 % on above	1153.96	1153.96	1153.96	1153.96	
	<b>Landed price of gas supply to LTPS by OIL (B)</b>	<b>9112.28</b>	<b>9112.28</b>	<b>9112.28</b>	<b>9112.28</b>	
<b>C. T.C for Transportation of OIL gas by AGCL</b>						
1.00	T.C./ 1000 SCM @ Rs. 1.81 / MMBTU	70.14	72.24	74.41	76.64	TC @ 3% escalation
2.00	GST @ 12% on TC	8.42	8.67	8.93	9.20	
	<b>Total T.C. (C)</b>	<b>78.56</b>	<b>80.91</b>	<b>83.34</b>	<b>85.84</b>	
	<b>D. Landed price of gas supply to LTPS by OIL (B+C)/ 1000 SCM</b>	<b>9190.84</b>	<b>9193.20</b>	<b>9195.62</b>	<b>9198.13</b>	
	<b>Wtd Avg landed price of LTPS gas</b>	<b>7935.55</b>	<b>7937.08</b>	<b>7938.66</b>	<b>7940.29</b>	



			Projections		
<b>OIL GAS for NTPS / NRPP</b>	<b>Unit</b>	<b>2021-22</b>	<b>2022-23</b>	<b>2023-24</b>	<b>2024-25</b>
Non-APM rate/MMBTU (effective from October of FY) and before discount of 40% of the price as per Pricing Policy of Gol	Rs./ MMBTU	2.90	2.90	2.90	2.90
Non-APM rate/MMBTU (effective from October of FY) and after discount of 40% of the price as per Pricing Policy of Gol	Rs./ MMBTU	1.74	1.74	1.74	1.74
Conversion factor	Factor	39.68	39.68	39.68	39.68
<b>\$ exchange rate for the month of September of Financial Year in Rs as obtained from RBI website</b>	<b>Rs per Dollar</b>	<b>73.56</b>	<b>73.56</b>	<b>73.56</b>	<b>73.56</b>
<b>Avg. GCV till September of Financial Year - OIL Gas for NTPS</b>	kcal / scm	9204.80	9204.80	9204.80	9204.80
<b>Avg. NCV till September of Financial year - OIL Gas for NTPS</b>	<b>kcal / scm</b>	<b>8294.06</b>	<b>8294.06</b>	<b>8294.06</b>	<b>8294.06</b>

LTPS			Projections		
<b>GAIL Gas for LTPS / LRPP</b>	<b>Unit</b>	<b>2021-22</b>	<b>2022-23</b>	<b>2023-24</b>	<b>2024-25</b>
<b>Avg. GCV till September of Financial Year</b>	kcal / scm	9569.65	9569.65	9569.65	9569.65
<b>Avg. NCV till September of Financial year</b>	kcal / scm	8635.56	8635.56	8635.56	8635.56
<b>Marketing Margin</b>	Rs / 1000 scm	<b>5.04</b>	<b>5.04</b>	<b>5.04</b>	<b>5.04</b>
<b>Monthly Metering charge(Rs./ 1000 SCM)</b>	Rs/ 1000 scm	24.67	25.41	26.17	26.95
GAIL Gas MMSCM received til September of the financial year in MMSCM	MMSCM	39.70	39.70	39.70	39.70
Oil Gas MMSCM received til September of the financial year in MMSCM	MMSCM	68.59	68.59	68.59	68.59