

**REGULATORY FORMATS FOR
ARR & TARIFF FILING BY
GENERATION LICENSEE**

Name of Company:
Name of Plant/ Station

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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:				ASSAM POWER GENERATION CORPORATION LIMITED				
Name of Plant/ Station:				KARBI LANGPI HYDRO ELECTRIC PROJECT				
Annual Revenue Requirement Summary						Form No:	F1	
						Rs Crore		
		Form		2017-18	2018-19	2019-20	2020-21	2021-22
				Actual	Estimated	Projected	Projected	Projected
A	Generation							
1	Gross Generation (MU)	F4		490.057	390.521	390.000	390.000	390.000
2	Aux Consumption (%)	F4		0.5%	0.5%	0.5%	0.5%	0.5%
3	Net Generation (MU)	F4		487.607	388.568	388.050	388.050	388.050
B	Capacity Charges (Annual Fixed Charges)							
1	O&M expenses			24.28	28.63	29.76	31.64	33.63
a	Employee Expenses	F21		18.05	21.95			
b	R & M Expense	F20		2.62	2.87			
c	A&G Expense	F22		3.62	3.81			
2	Depreciation	F23		21.18	21.37	21.14	22.30	21.99
3	Interest on Loans	F14b		25.25	23.25	22.30	20.87	19.05
4	Return on Equity	F25		10.64	10.64	10.64	10.64	10.64
5	Interest on Working Capital	F26		3.20	2.88	3.17	3.22	3.07
6	Income Tax	F29		1.29	0.00	0.00	0.00	0.00
7	Prior Period items			0.46	0.00	0.00	0.00	0.00
8	Special R&M			0.00	0.00	15.00	12.00	0.00
9	Other income			-4.32	-5.75	-5.75	-5.75	-5.75
10	Incentive for generation for FY 2017-18			3.67				
11	Incentive for Secondary Energy generation			13.36				
	Capacity building					0.42	0.42	0.42
	Total			99.00	81.04	96.68	95.35	83.06
C	Variable Charges (Energy Charges)							
	Energy Charges from Primary Fuel (Rs Cr) ^{C1, C2, C3, C4}	F4						
	Energy Charges from Primary Fuel (Rs/ kWh)	F4						
	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							

Format-F2b

Name of Company: **ASSAM POWER GENERATION CORPORATION LIMITED**

Name of Plant/ Station: **KARBI LANGPI HYDRO ELECTRIC PROJECT**

DETAILS OF COD, TYPE OF HYDRO STATIONS, NORMATIVE ANNUAL PLANT, AVAILABILITY FACTOR (NAPAF) & OTHER NORMATIVE PARAMETERS CONSIDERED FOR TARIFF CALCULATION

SL NO	DESCRIPTION	UNIT	2017-18	2018-19	2019-20	2020-21	2021-22
1	Installed Capacity	MW	Actual	Estimated	Projected	Projected	Projected
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) &	-	3% continuas				
5	Type of Excitation	-					
	Rotating exciters on Generator	-					
	Static excitation	-					
6	Design Energy (Annual)	Gwh	390.00	390.00	390.00		
7	Auxiliary consumption including Transformation losses	%	0.50%	0.50%	0.50%		
8	Normative Plant Availability Factor (NAPAF)	%	90%	90%	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	%					

Name of Company:			SAM POWER GENERATION CORPORATION LIMITED				
Name of Plant/ Station:			KARBI LANGPI HYDRO ELECTRIC PROJECT				
Normative Parameters Considered for Tariff Computations-Thermal				Form No:	F3 (a)		
	Particulars	Unit	2017-18	2018-19	2019-20	2020-21	2021-22
			Actual	Estimated	Projected	Projected	Projected
1	Base Rate of Return on Equity	%	15.50	15.50	15.50	15.50	15.50
2	Target Availability	%					
3	Auxiliary Energy Consumption	%	0.50	0.50	0.50	0.50	0.50
4	Gross Station Heat Rate	kCal/ kWh					
5	Specific Fuel Oil Consumption ml/kWh	ml/ kWh					
6	Cost of Coal/ Lignite	Rs/ Ton					
7	Cost of Main Secondary Fuel Oil	Rs/ kL					
8	Cost of Gas	Rs/ SCM					
9	Primary Fuel (Coal/ Lignite/ Gas) for Working Capital	in Months					
10	Secondary Fuel for Working Capital	in Months					
11	O&M Expenses	Rs/ MW					
12	Maintenance Spares for Working Capital	% of O&M	30.00	30.00	30.00	30.00	30.00
13	Receivables for Working Capital	in Months	2 months	2 months	2 months	2 months	2 months
14	Base Rate of SBI as on <u>01-04-2017</u>	%	12.60%	12.60%	11.50%	11.50%	11.50%

SALIENT FEATURES OF HYDROELECTRIC PROJECT**Name of Company:**

Assam Power Generation Corporation

Name of Plant/ Station:

1. Location	
State /Distt.	Karbi Anglong District of Assam
River	Borpani
2. Diversion Tunnel	
Size, Shape	Intake Type Shaft with vertical gate intake structure provided with trash rack El. Of invert: 301.5 M
Length	4430 M
3. Dam	
Type	Concrete Gravity dam
Maximum dam height	58.50 M upto Spillway crest
4. Spillway	
Type	Ogge Shape Spillway with trejectory
Crest level of Spillway	EL 300.00 M
5. Reservoir	
Full Reservoir Level (FRL)	316.50 M
Minimum Draw Down Level(MDDL)	308.0 M
Live Storage (MCM)	313.8 M
6. De-silting Arrangement	
Type	
Number and Size	
Particle size to be removed (mm)	
7. Head Race Tunnel	
Size and Type	Horse shoe shaped
Length	4430 M
Design Discharge (Cumecs)	
8. Surge Shaft	
Type	Simple with upper and lower expansion chamber
Diameter	8.00 M
Height	46.0m
9. Penstock/ Pressure Shafts	
Type	Circular, fabricated steel pipes
Diameter & Length	2.60 M, Penstock 1 Length=526.70 M Penstock 2 Length=514.20 M
10. Power House	
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
11. Tail Race Tunnel	
Diameter, Shape	
Length	
Minimum tail water level	58 M
12. Switch yard	
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:		KARBI LANGPI HYDRO ELECTRIC PROJECT					
Generation Details and Variable Cost					Form No:	F4	
	Particulars	Unit	2017-18 Actual	2018-19 Estimated	2019-20 Projected	2020-21 Projected	2021-22 Projected
1	Installed Capacity	MW	100	100	100	100	100
2	Plant Load Factor	%	55.94%	44.58%	44.52%	44.52%	44.52%
3	Gross Generation	MU	490.06	390.52	390.00	390.00	390.00
4	Auxiliary Consumption	%	0.50%	0.50%	0.50%	0.50%	0.50%
5	Auxiliary Consumption	MU	2.450	1.953	1.950	1.950	1.950
6	Net Generation	MU	487.607	388.568	388.050	388.050	388.050
7	Station Heat Rate	kCal/ kWh					
	Primary Fuel Consumption (Coal/ Lignite)						
8	GCV of Coal/ Lignite	kCal/ kg					
9	Quantity of Coal/ Lignite (Fired)	MT					
10	Specific Coal Consumption (Fired)	kg/ kWh					
11	Transit Loss	MT					
12	Transit Loss	%					
13	Gross Quantity of Coal (Purchased)	MT					
14	Rate of Coal/ Lignite	Rs/ Ton					
15	Cost of Coal/ Lignite	Rs Cr.					
	Primary Fuel Consumption (Gas/ LNG/ Liquid)						
16	GCV of Gas/ LNG/ Liquid Fuel	kCal/ SCM					
17	Quantity of Gas/ LNG/ Liquid Fuel	MMSCM					
18	Specific Fuel Consumption	SCM/ kWh					
19	Rate of Gas/ LNG/ Liquid Fuel	Rs/ SCM					
20	Cost of Gas/ LNG/ Liquid Fuel	Rs Cr.					
	Secondary Fuel Oil Consumption						
21	GCV of Secondary Fuel Oil	kCal/ kL					
22	Quantity of Secondary Fuel Oil	kL					
23	Specific Secondary Fuel Oil Consumption	ml/ kWh					
24	Rate of Secondary Fuel Oil	Rs/ kL					
25	Cost of Secondary Fuel Oil	Rs Cr.					
	Primary Fuel Cost (Coal/ Lignite)	Rs Cr.					
	Primary Fuel Cost (Gas/ LNG/ Liquid)	Rs Cr.					
	Secondary Fuel Cost	Rs Cr.					
C	Variable Charges (Energy Charges)						
	Energy Charges from Primary Fuel (Coal/ Lignite)	Rs/ kWh					
	Energy Charges from Primary Fuel (Gas/ LNG/ Liquid)	Rs/ kWh					

Name of Company:

AM POWER GENERATION CORPORATION LIM

Name of Plant/ Station:

ARBI LANGPI HYDRO ELECTRIC PROJEC

Abstract of admitted Capital Cost for the existing Project

Form No:

F5

	Particulars	Unit	Details
	Last date of order of Commission for the project		
1	Capital Cost as admitted by AERC	Rs Cr.	513.57
2	Amount of un-discharged liabilities included in above (& forming part of admitted capital cost)	Rs Cr.	NIL
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 Cr.	NIL
4	Gross Normative Debt	Rs Cr.	
5	Cumulative Repayment	Rs Cr.	
6	Net Normative Debt	Rs Cr.	
7	Normative Equity	Rs Cr.	
8	Cumulative Depreciation	Rs Cr.	
9	Freehold land	Rs Cr.	

Name of Company:

ASSAM POWER GENERATION CORPORATION LIMITED

Name of Plant/ Station:

KARBI LANGPI HYDRO ELECTRIC PROJECT

Statement showing claimed capital cost

Form No:

F5a

	Particulars	Unit	2017-18	2018-19	2019-20	2020-21	2021-22
			Actual	Estimated	Projected	Projected	Projected
1	Opening Capital Cost	Rs Cr.	514.28	527.90	531.62	552.94	562.32
2	Add: Addition during the year / period	Rs Cr.	13.63	3.71	21.33	9.3718906	9.3718906
3	Less: Decapitalisation during the year / period	Rs Cr.	0	0	0	0	0
4	Less: Reversal during the year / period	Rs Cr.	0	0	0	0	0
5	Add: Discharges during the year / period	Rs Cr.	0	0	0	0	0
6	Closing Capital Cost	Rs Cr.	527.90	531.62	552.94	562.32	571.69
7	Average Capital Cost	Rs Cr.	521.09	529.76	542.28	557.63	567.00

Name of Company:
Name of Plant/ Station:

ASSAM POWER GENERATION CORPORATION LIMITED
KARBI LANGPI HYDRO ELECTRIC PROJECT

Details of Project Specific Loans

Form No:

F13

Particulars	Rs Cr.					
	Development o	KLHEP	Boundary wall d	Package 4	Package 5	Package 6
Source of Loan ¹	I GOA -Loans	I GOA -Loans	I GOA -Loans			
Currency ²	INR	INR	INR			
Amount of Loan sanctioned (Opeing Balance)	1.00	62.18	0.36			
Amount of Gross Loan drawn upto 31.03.2016 COD ^{3,4,5,13,15} (Closing Balance)	1.00	78.67	0.54			
Interest Type ⁶	FIXED	FIXED	FIXED			
Fixed Interest Rate, if applicable	10%	10%	10%			
Base Rate, if Floating Interest ⁷						
Margin, if Floating Interest ⁸	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
Are there any Caps/Floor ⁹						
If above is yes,specify caps/floor						
Moratorium Period ¹⁰						
Moratorium effective from						
Repayment Period ¹¹						
Repayment effective from						
Repayment Frequency ¹²						
Repayment Instalment ^{13,14}						
Base Exchange Rate ¹⁶						
Are foreign currency loan hedged?						
If above is yes,specify details ¹⁷						

Note:

- ¹ Source of loan means the agency from whom the loan has been taken such as WB, ADB, WMB, PNB, SBI, ICICI, IFC, PFC etc.
- ² Currency refers to currency of loan such as US\$, DM, Yen, Indian Rupee etc.
- ³ Details are to be submitted as on 31.03.2015 for existing assets and as on COD for the remaining assets.
- ⁴ 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.
- ⁵ 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.
- ⁶ Interest type means whether the interest is fixed or floating.
- ⁷ 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.
- ⁸ Margin means the points over and above the floating rate.
- ⁹ At times caps/ floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.
- ¹⁰ Moratorium period refers to the period during which loan servicing liability is not required.
- ¹¹ Repayment period means the repayment of loan such as 7 years, 10 years, 25 years etc.
- ¹² Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual, etc.
- ¹³ Where there is more than one drawal/repayment for a loan, the date & amount of each drawal/repayment may also be given seperately seperately.
- ¹⁵ In case of Foreign loan,date of each drawal & repayment alongwith exchange rate at that date may be given.
- ¹⁶ Base exchange rate means the exchange rate prevailing as on 31.03.2015 for existing assets and as on COD for the remaining assets.
- ¹⁷ In case of hedging, specify details like type of hedging, period of hedging, cost of heging, etc.
- ¹⁸In case of foreign loans, provide details of exchange rate considered on date of each repayment of principal and date of interest payment.
- ¹⁹ At the time of truing up rate of interest with relevant reset date (if any) to be furnished seperately.
- ²⁰ 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

ASSAM POWER GENERATION CORPORATION LIMITED						
KARBI LANGPI HYDRO ELECTRIC PROJECT						
Calculation of Weighted Average Rate of Interest on Actual Loans			Form No:	F14a		
			Rs. Cr			
	Particulars	2017-18	2018-19	2019-20	2020-21	2021-22
		Actual	Estimated	Projected	Projected	Projected
	Loan-1 from PFCL					
	Gross loan - Opening					
	Cumulative repayments of Loans upto previous year					
	Net loan - Opening	124.61	102.28	80.59	58.90	37.21
	Add: Drawal(s) during the Year	0.00	0.00	0.00	0.00	0.00
	Less: Repayment (s) of Loans during the year	22.33	21.69	21.69	21.69	19.61
	Net loan - Closing	102.28	80.59	58.90	37.21	17.60
	Average Net Loan	113.45	91.44	69.75	48.05	27.40
	Rate of Interest on Loan on annual basis	10.40%	10.27%	10.00%	9.53%	8.79%
	Interest on loan	12.96	10.51	8.06	5.62	3.27
	Loan-2 Govt. of Assam					
	Gross loan - Opening					
	Cumulative repayments of Loans upto previous year					
	Net loan - Opening	469.22	494.44	502.18	536.76	564.01
	Add: Drawal(s) during the Year	25.22	7.73	34.58	27.26	21.28
	Less: Repayment (s) of Loans during the year	0.00	0.00	0.00	0.00	0.00
	Net loan - Closing	494.44	502.18	536.76	564.01	585.30
	Average Net Loan	481.83	498.31	519.47	550.38	574.66
	Rate of Interest on Loan on annual basis	10.06%	10.09%	10.34%	10.25%	10.19%
	Interest on loan	47.22	49.87	51.95	55.04	57.47
	Total Loan					
	Gross loan - Opening					
	Cumulative repayments of Loans upto previous year					
	Net loan - Opening	593.84	596.73	582.77	595.66	601.22
	Add: Drawal(s) during the Year	25.22	7.73	34.58	27.26	21.28
	Less: Repayment (s) of Loans during the year	22.33	21.69	21.69	21.69	19.61
	Net loan - Closing	596.73	582.77	595.66	601.22	602.90
	Average Net Loan	595.28	589.75	589.21	598.44	602.06
	Interest on loan	60.18	60.38	60.01	60.65	60.74
	Weighted average Rate of Interest on Loans	10.13%	10.12%	10.30%	10.18%	10.10%
	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.					
	2. As per the Regulation 35.5, the weighted average rate of interest has to be calculated on the basis of the actual loan portfolio at the beginning of each year. Hence the weighted average rate of interest has been calculated at the opening loan in the sheet above.					
	3. the above actual loan portfolio is shown as for APGCL as a whole, as the same is to be used for calculation of interest rate					

Name of Company:		ASSAM POWER GENERATION CORPORATION LIMITED				
Name of Plant/ Station:		KARBI LANGPI HYDRO ELECTRIC PROJECT				
Calculation of Interest on Normative Loan			Form No:	F14b		
				Rs. Crores		
S. No.	Particulars	2017-18	2018-19	2019-20	2020-21	2021-22
		Actual	Estimated	Projected	Projected	Projected
1	Gross Normative loan – Opening					
2	Cumulative repayment of Normative loan upto previous year					
3	Net Normative loan – Opening	259.66	238.62	220.96	211.91	197.85
4	Add: Increase due to addition during the year / period	0.14	3.71	12.09	8.24	3.16
5	Less: Decrease due to de-capitalisation during the year / period					
6	Less: Decrease due to reversal during the year / period	21.18	21.37	21.14	22.30	21.99
7	Add: Increase due to discharges during the year / period					
8	Net Normative loan - Closing	238.62	220.96	211.91	197.85	179.01
9	Average Normative loan	249.14	229.79	216.43	204.88	188.43
10	Weighted average rate of interest	10.13%	10.12%	10.30%	10.18%	10.10%
11	Interest on Loan	25.25	23.25	22.29	20.86	19.04
	Bank charges	0.01	0.00	0.01	0.01	0.01
11	Interest on Loan with Bank charges	25.26	23.25	22.30	20.87	19.05

Name of Company:
Name of Plant/ Station:

ASSAM POWER GENERATION CORPORATION LIMITED
KARBI LANGPI HYDRO ELECTRIC PROJECT

Details of Allocation of corporate loans to various projects

Form No:

F15

Rs Cr.

Particulars	Lungnit SHEP	Survey & Inve	Dhansiri HEP	KLHEP	Package 5	Package 6
Source of Loan ¹	I GOA -Loans	I GOA -Loans	I GOA -Loans	I PFC Loans		
Currency ²	INR	INR	INR	INR		
Amount of Loan sanctioned(Opening Bala	4.00	0.70	1.04	39.63		
Amount of Gross Loan drawn upto 31.03.2016/ COD ^{3,4,5,13,15} (Closing Balance)	4.00	0.70	1.04	31.29		
Interest Type ⁶	Fixed	Fixed	Fixed	Fixed		
Fixed Interest Rate, if applicable	10%	10%	10%	9.76%		
Base Rate, if Floating Interest ⁷						
Margin, if Floating Interest ⁸	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
Are there any Caps/Floor ⁹						
If above is yes,specify caps/floor						
Moratorium Period ¹⁰						
Moratorium effective from						
Repayment Period ¹¹						
Repayment effective from						
Repayment Frequency ¹²						
Repayment Instalment ^{13,14}						
Base Exchange Rate ¹⁶						
Are foreign currency loan hedged?						
If above is yes,specify details ¹⁷						

Distribution of loan packages to various projects

Name of the Projects						Total
Project 1						
Project 2						
Project 3 and so on						

Name of Company:
Name of Plant/ Station:

**ASSAM POWER GENERATION
KARBI LANGPI HYDRO ELE**

Statement of Additional Capitalisation after COD

Form No: F16

Rs Cr.

No	Head of Work/ Equipment						Regulations under which claimed	Justification	Admitted Cost by Commission if any
		2017-18	2018-19	2019-20	2020-21	2021-22			
1	Land	-	-	-	-	-			
2	Building	0.01	-	-	-	-			
3	Hydraulic works	-	-	-	-	-			
4	Other civil works	-	0.92	0.65	0.38	0.50			
5	Plant & machinery- Gas	-	-	-	-	-			
6	Plant & machinery- Hydel	0.04	2.80	8.10	-	-			
7	Lines & cables	-	-	-	7.30	0.70			
8	Vehicle	-	-	-	-	-			
9	Furniture	0.04	-	-	-	-			
10	Other office equipment	0.04	-	11.78	1.69	2.59			
11	Roads on land belonging to others	-	-	-	-	-			
12	Capital spares at Generating Stations	-	-	0.80	-	0.50			
		0.14	3.71	21.33	9.37	4.29			

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

Name of Company:

ASSAM POWER GENERATION CORPORATION LIMITED

Name of Plant/ Station:

KARBI LANGPI HYDRO ELECTRIC PROJECT

Details of Assets De-capitalized during the period

Form No:

F16a

Rs Cr.

No	Name of the Asset	Nature of de-capitalization (whether claimed under exclusion or as additional capital expenditure)	Original Value of the Asset Capitalised	Year Put to use	Depreciation recovered till date of de-capitalization
1		NIL DURING THE PERIOD			
2					
3					
4					
5					

Note: Year wise detail need to be submitted

Name of Company:

AM POWER GENERATION CORPORATION LIM

Name of Plant/ Station:

KARBI LANGPI HYDRO ELECTRIC PROJEC

Date of Commercial Operation:

Financing of Additional Capitalisation

Form No F17

Rs Cr.

Financial Year (Starting from COD)					
	2017-18	2018-19	2019-20	2020-21	2021-22
Amount capitalised in Work/ Equipment					
Financing Details					
GOA Loan	0.14	3.71	11.67	7.82	2.74
Loan-2					
Total Loan²	0.14	3.71	11.67	7.82	2.74
Grant	0.00	0.00	9.65	1.55	1.55
Equity	0	0	0	0	0
Internal Resources					
Others					
Total	0.14	3.71	21.33	9.37	4.29

¹ Year 1 refers to Financial Year of COD and Year 2, Year 3 etc. are the subsequent financial years respectively.

² Loan details for meeting the additional capitalisation requirement should be given as per Form 14 and Form 15 whichever is relevant.

Name of Company:		SSAM POWER GENERATION CORPORATION LIMITED				
Name of Plant/ Station:		KARBI LANGPI HYDRO ELECTRIC PROJECT				
R&M Expenses			Form No:	F20		
			Rs Cr.			
	Particulars	2017-18	2018-19	2019-20	2020-21	2021-22
		Actual	Estimated	Projected	Projected	Projected
1	Plant and Machinery	1.34	Break-up for whole year not available yet	Consolidated O&M approved for the year	Consolidated O&M approved for the year	Consolidated O&M approved for the year
2	Building	0.35				
3	Civil Works	0.35				
4	Hydraulic Works	0.44				
5	Lines, Cables Net Works etc.	0.10				
6	Vehicles	0.01				
7	Furniture and Fixtures	0.00				
8	Office Equipments	0.02				
9	Station Supplies	-				
10	Lubricants & Consumable stores	-				
11	Oil/Turbine Oil consumed in internal co	-				
12	Any other items (Capitalisation)	-				
	Total	2.62	2.87	0.00	0.00	0.00

Name of Company:		ASSAM POWER GENERATION CORPORATION LIMITED				
Name of Plant/ Station:		KARBI LANGPI HYDRO ELECTRIC PROJECT				
Employee Expenses			Form No:	F21		
			Rs Cr.			
	Particulars	2017-18	2018-19	2019-20	2020-21	2021-22
		Actual	Estimated	Projected	Projected	Projected
1	Salaries	10.10	Break-up for whole year not available yet	Consolidated O&M Projected for the year	Consolidated O&M Projected for the year	Consolidated O&M Projected for the year
2	Additional Pay	-				
3	Dearness Allowance (DA)	3.52				
4	Other Allowances & Relief	1.48				
5	Addl. Pay & C.Off Encashment	-				
6	Interim Relief / Wage Revision	-				
7	Honorarium/Overtime	0.00				
8	Bonus/ Exgratia To Employees	0.01				
9	Medical Expenses Reimbursement	0.01				
10	Travelling Allowance(Conveyance Allowance)	-				
11	Leave Travel Assistance	0.00				
12	Earned Leave Encashment	0.04				
13	Payment Under Workman's Compensation And Gratuity	-				
14	Subsidised Electricity To Employees	-				
15	Any Other Item	-				
16	Staff Welfare Expenses	0.08				
17	Apprentice And Other Training Expenses	-				
18	Contribution To Terminal Benefits	2.81				
19	Provident Fund Contribution	-				
20	Provision for PF Fund	-				
21	Any Other Items (Revision of pay@% of salary)	-				
	Total Employee Costs	18				
22	Less: Employee expenses capitalised	0.00				
	Net Employee expenses (D)-(E)	18.05	21.95	0.00	0.00	0.00

Name of Company:		SSAM POWER GENERATION CORPORATION LIMITE				
Name of Plant/ Station:		KARBI LANGPI HYDRO ELECTRIC PROJECT				
Administration & General Expenses			Form No:	F22		
			Rs Cr.			
	Particulars	2017-18	2018-19	2019-20	2020-21	2021-22
		Actual	Estimated	Projected	Projected	Projected
1	Lease/ Rent	0.06				
2	Insurance	1.19				
3	Revenue Stamp Expenses Account	-				
4	Telephone, Postage, Telegram & Telex Charges	0.01				
5	Incentive & Award To Employees/Outsiders	-				
6	Consultancy Charges	0.03				
7	Technical Fees	0.00				
8	Other Professional Charges	0.02				
9	Conveyance And Travelling	0.13				
10	License and Registration Fees	-				
11	Vehicle Expenses	0.72				
12	Security / Service Charges Paid To Outside Agencies	-				
13	Fee And Subscriptions Books And Periodicals	0.40				
14	Printing And Stationery	0.03				
15	Advertisement Expenses	0.12				
16	Contributions/Donations To Outside Institutes / Associations	0.10	Break-up for whole year not available yet	Consolidated O&M approved for the year	Consolidated O&M approved for the year	Consolidated O&M approved for the year
17	Electricity Charges To Offices	0.71				
18	Water Charges	-				
19	Entertainment Charges	0.01				
20	Miscellaneous Expenses	0.03				
21	Legal Charges	0.03				
22	Auditor's Fee	0.03				
23	Freight On Capital Equipments	-				
24	Purchase Related Advertisement Expenses	-				
25	Vehicle Running Expenses Truck / Delivery Van	-				
26	Vehicle Hiring Expenses Truck / Delivery Van	-				
27	Other Freight	-				
28	Transit Insurance	-				
29	Octroi	-				
30	Incidental Stores Expenses	-				
31	Fabrication Charges	-				
	Total A&G Expenses	3.62				
	Less: A&G Expenses Capitalised	0.00				
	Total A&G Expenses	3.62	3.81	0.00	0.00	0.00

CONSOLIDATED STATEMENT OF
APGCL ASSETS

ASSAM POWER GENERATION CORPORATION LIMITED

KARBI LANGPI HYDRO ELECTRIC PROJECT

Form No: 23

		FY 2017-18										
Group of Asset	Rate of Depreciation AERC 2015 REG	Balance depreciable asset	Opening balance		Adjustment as on 01/04/2017		Addition during the year		Deletion during the year		Closing balance	
			Asset	Depr	Asset	Depr	Asset	Depr	Asset	Depr	Asset	Depr
KLHEP		-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-
Group of Asset	Rate of Depreciation AERC 2015 REG	Balance depreciable asset	Opening balance		Adjustment as on 01/04/2016		Addition during the year		Deletion during the year		Closing balance	
		-	Asset	Depr	Asset	Depr	Asset	Depr	Asset	Depr	Asset	Depr
Land	0.00%	4.40	4.40	-	-	-	-	-	-	-	4.40	-
Building	3.34%	14.96	17.31	0.62	-	-	0.01	0.58	-	-	17.32	1.20
Hydraulic works	5.28%	100.69	162.38	45.45	-	-	-	8.57	-	-	162.38	54.02
Other civil works	3.34%	73.88	102.72	18.57	-	-	-	3.43	-	-	102.72	22.00
Plant & machinery- Gas	5.28%	-	-	-	-	-	-	-	-	-	-	-
Plant & machinery- Hydel	5.28%	111.55	175.50	46.40	-	-	0.04	9.27	-	-	175.54	55.67
Lines & cables	5.28%	19.10	32.57	10.21	-	-	-	0.81	-	-	32.57	11.02
Vehicle	9.50%	(0.00)	0.29	0.26	-	-	-	0.01	-	-	0.29	0.27
Furniture	6.33%	0.00	0.00	0.00	-	-	0.04	0.00	-	-	0.05	0.00
Other office equipment	6.33%	0.05	0.06	0.00	-	-	0.04	0.01	-	-	0.10	0.01
Roads on land belonging to others	3.34%	0.22	0.28	0.03	-	-	-	0.03	-	-	0.28	0.06
Capital spares at Generating Stations	5.28%	1.79	18.76	15.09	-	-	-	0.99	-	-	18.76	16.08
		326.66	514.28	136.63	-	-	0.14	23.70	-	-	514.41	160.32
Less: Depreciation on Grant												
Total Grant in Capital Asset								54.66				
Rate of Depreciation								0.05				
Depreciation on 90% of the Assets funded by Grants/subsidies								2.52				
Net Depreciation								21.18				

CONSOLIDATED STATEMENT OF
APGCL ASSETS

ASSAM POWER GENERATION CORPORATION LIMITED

KARBI LANGPI HYDRO ELECTRIC PROJECT

Form No: 23

		FY 2018-19										
Group of Asset	Rate of Depreciation AERC 2015 REG	Balance depreciable asset	Opening balance		Adjustment as on 01/04/2018		Addition during the year		Deletion during the year		Closing balance	
			Asset	Depr	Asset	Depr	Asset	Depr	Asset	Depr	Asset	Depr
KLHEP												
Land	0.00%	4.40	4.40	-	-	-	-	-	-	-	4.40	-
Building	3.34%	14.39	17.32	1.20	-	-	-	0.58	-	-	17.32	1.77
Hydraulic works	5.28%	92.12	162.38	54.02	-	-	-	8.57	-	-	162.38	62.60
Other civil works	3.34%	70.45	102.72	22.00	-	-	0.92	3.45	-	-	103.64	25.45
Plant & machinery- Gas	5.28%	-	-	-	-	-	-	-	-	-	-	-
Plant & machinery- Hydel	5.28%	102.32	175.54	55.67	-	-	2.80	9.34	-	-	178.34	65.01
Lines & cables	5.28%	18.29	32.57	11.02	-	-	-	1.72	-	-	32.57	12.74
Vehicle	9.50%	(0.01)	0.29	0.27	-	-	-	-	-	-	0.29	0.27
Furniture	6.33%	0.04	0.05	0.00	-	-	-	0.00	-	-	0.05	0.00
Other office equipment	6.33%	0.08	0.10	0.01	-	-	-	0.01	-	-	0.10	0.02
Roads on land belonging to others	3.34%	0.20	0.28	0.06	-	-	-	0.01	-	-	0.28	0.07
Capital spares at Generating Stations	5.28%	0.80	18.76	16.08	-	-	-	0.80	-	-	18.76	16.88
		303.09	514.41	160.32	-	-	3.71	24.48	-	-	518.13	184.80
Less: Depreciation on Grant												
Total Grant in Capital Asset								65.50				
Rate of Depreciation								0.05				
Depreciation on 90% of the Assets funded by Grants/subsidies								3.11				
Net Depreciation								21.37				

CONSOLIDATED STATEMENT OF
APGCL ASSETS

ASSAM POWER GENERATION CORPORATION LIMITED

KARBI LANGPI HYDRO ELECTRIC PROJECT

Form No: 23

		FY 2019-20										
Group of Asset	Rate of Depreciation AERC 2015 REG	Balance depreciable asset	Opening balance		Adjustment as on 01/04/2018		Addition during the year		Deletion during the year		Closing balance	
			Asset	Depr	Asset	Depr	Asset	Depr	Asset	Depr	Asset	Depr
KLHEP												
Land	0.00%	4.40	4.40	-	-	-	-	-	-	-	4.40	-
Building	3.34%	13.81	17.32	1.77	-	-	-	0.58	-	-	17.32	2.35
Hydraulic works	5.28%	83.55	162.38	62.60	-	-	-	8.57	-	-	162.38	71.17
Other civil works	3.34%	67.83	103.64	25.45	-	-	0.65	3.47	-	-	104.29	28.92
Plant & machinery- Gas	5.28%	-	-	-	-	-	-	-	-	-	-	-
Plant & machinery- Hydel	5.28%	95.50	178.34	65.01	-	-	8.10	9.63	-	-	186.44	74.64
Lines & cables	5.28%	16.57	32.57	12.74	-	-	-	1.72	-	-	32.57	14.46
Vehicle	9.50%	(0.01)	0.29	0.27	-	-	-	-	-	-	0.29	0.27
Furniture	6.33%	0.04	0.05	0.00	-	-	-	0.00	-	-	0.05	0.01
Other office equipment	6.33%	0.07	0.10	0.02	-	-	11.78	0.38	-	-	11.87	0.39
Roads on land belonging to others	3.34%	0.19	0.28	0.07	-	-	-	0.01	-	-	0.28	0.07
Capital spares at Generating Stations	5.28%	0.00	18.76	16.88	-	-	0.80	0.02	-	-	19.56	16.90
		281.95	518.13	184.80	-	-	21.33	24.39	-	-	539.45	209.19
Less: Depreciation on Grant												
Total Grant in Capital Asset								75.15				
Rate of Depreciation								0.05				
Depreciation on 90% of the Assets funded by Grants/subsidies								3.24				
Net Depreciation								21.14				

CONSOLIDATED STATEMENT OF
APGCL ASSETS

ASSAM POWER GENERATION CORPORATION LIMITED

KARBI LANGPI HYDRO ELECTRIC PROJECT

Form No: 23

		FY 2020-21										
Group of Asset	Rate of Depreciation AERC 2015 REG	Balance depreciable asset	Opening balance		Adjustment as on 01/04/2018		Addition during the year		Deletion during the year		Closing balance	
			Asset	Depr	Asset	Depr	Asset	Depr	Asset	Depr	Asset	Depr
KLHEP												
Land	0.00%	4.40	4.40	-	-	-	-	-	-	-	4.40	-
Building	3.34%	13.24	17.32	2.35	-	-	-	0.58	-	-	17.32	2.93
Hydraulic works	5.28%	74.97	162.38	71.17	-	-	-	8.57	-	-	162.38	79.74
Other civil works	3.34%	64.94	104.29	28.92	-	-	0.38	3.49	-	-	104.67	32.41
Plant & machinery- Gas	5.28%	-	-	-	-	-	-	-	-	-	-	-
Plant & machinery- Hydel	5.28%	93.16	186.44	74.64	-	-	-	9.84	-	-	186.44	84.48
Lines & cables	5.28%	14.85	32.57	14.46	-	-	7.30	1.91	-	-	39.87	16.38
Vehicle	9.50%	(0.01)	0.29	0.27	-	-	-	-	-	-	0.29	0.27
Furniture	6.33%	0.04	0.05	0.01	-	-	-	0.00	-	-	0.05	0.01
Other office equipment	6.33%	10.29	11.87	0.39	-	-	1.69	0.81	-	-	13.57	1.20
Roads on land belonging to others	3.34%	0.18	0.28	0.07	-	-	-	0.01	-	-	0.28	0.08
Capital spares at Generating Stations	5.28%	0.70	19.56	16.90	-	-	-	0.70	-	-	19.56	17.60
		276.76	539.45	209.19	-	-	9.37	25.92	-	-	548.82	235.11
Less: Depreciation on Grant												
Total Grant in Capital Asset								76.70				
Rate of Depreciation								0.05				
Depreciation on 90% of the Assets funded by Grants/subsidies								3.62				
Net Depreciation								22.30				

CONSOLIDATED STATEMENT OF
APGCL ASSETS

ASSAM POWER GENERATION CORPORATION LIMITED

KARBI LANGPI HYDRO ELECTRIC PROJECT

Form No: 23

		FY 2021-22										
Group of Asset	Rate of Depreciation AERC 2015 REG	Balance depreciable asset	Opening balance		Adjustment as on 01/04/2018		Addition during the year		Deletion during the year		Closing balance	
			Asset	Depr	Asset	Depr	Asset	Depr	Asset	Depr	Asset	Depr
KLHEP												
Land	0.00%	4.40	4.40	-	-	-	-	-	-	-	4.40	-
Building	3.34%	12.66	17.32	2.93	-	-	-	0.58	-	-	17.32	3.51
Hydraulic works	5.28%	66.40	162.38	79.74	-	-	-	8.57	-	-	162.38	88.32
Other civil works	3.34%	61.79	104.67	32.41	-	-	0.50	3.50	-	-	105.17	35.91
Plant & machinery- Gas	5.28%	-	-	-	-	-	-	-	-	-	-	-
Plant & machinery- Hydel	5.28%	83.31	186.44	84.48	-	-	-	9.84	-	-	186.44	94.33
Lines & cables	5.28%	19.51	39.87	16.38	-	-	0.70	2.12	-	-	40.57	18.50
Vehicle	9.50%	0.01	0.29	0.27	-	-	-	-	-	-	0.29	0.27
Furniture	6.33%	0.03	0.05	0.01	-	-	-	0.00	-	-	0.05	0.01
Other office equipment	6.33%	11.01	13.57	1.20	-	-	2.59	0.94	-	-	16.16	2.14
Roads on land belonging to others	3.34%	0.17	0.28	0.08	-	-	-	0.01	-	-	0.28	0.09
Capital spares at Generating Stations	5.28%	0.00	19.56	17.60	-	-	0.50	0.01	-	-	20.06	17.62
		259.28	548.82	235.11	-	-	4.29	25.59	-	-	553.12	260.70
Less: Depreciation on Grant												
Total Grant in Capital Asset								78.25				
Rate of Depreciation								0.05				
Depreciation on 90% of the Assets funded by Grants/subsidies								3.60				
Net Depreciation								21.99				

**ASSAM POWER GENERATION CORPORATION LIMITED
KARBI LANGPI HYDRO ELECTRIC PROJECT**

Form No: 24

Loan Details	Loan Tenure (yrs)	2017-18						Closing Balance
		Actual						
		Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due		
A Secured Loans								
I PFC Loans								
KLHEP	15	9.76%	3,962.80	-	- 834.27	346.21	3,128.52	
NTPS(R&M)	13 1/3	3.03%	63.73	-	- 63.73	0.97	0.00	
LTPS(R&M)	20	12.22%	8,434.76	-	- 1,334.93	949.11	7,099.83	
Sub-total			43635.01	0.00	-2232.94	5204.47	41402.07	
B Unsecured Loans								
I GOA -Loans								
Rural electrification	10	10.00%	10.00	-	-	1.00	10.00	
LWHRP	10	10.00%	886.30	-	-	88.63	886.30	
R&M NTPS	10	10.00%	3,263.28	110.98	-	332.38	3,374.26	
R&M LTPS	10	10.00%	2,867.00	-	-	286.70	2,867.00	
Lungnit SHEP	10	10.00%	400.00	-	-	40.00	400.00	
LTPS, Ph-II	10	10.00%	1,061.00	744.00	-	115.86	1,805.00	
Development of SHEP	10	10.00%	100.00	-	-	10.00	100.00	
Survey & Investigation of HEP	10	10.00%	70.00	-	-	7.00	70.00	
Non-Conventional source of energy	10	10.00%	40.00	-	-	4.00	40.00	
KLHEP	10	10.00%	6,218.18	1,649.30	-	630.62	7,867.48	
Dhansiri HEP	10	10.00%	104.00	-	-	10.40	104.00	
Revival of TPS	10	10.00%	50.00	-	-	5.00	50.00	
Development of Amguri	10	10.00%	50.00	-	-	5.00	50.00	
EAP consulting service	10	10.00%	37.45	-	-	3.75	37.45	
Boundary wall of Jagiroad	10	10.00%	36.26	17.53	-	4.72	53.79	
a Station heat Rate	10	10.00%	31,325.00	-	-	3,132.50	31,325.00	
Solar NTPS	10	10.00%	404.00	-	-	40.40	404.00	
Sub-total			51875.02	3277.00	0.00	5223.64	55152.02	
C Other Interest & Finance Charges								
Cost of raising Finance / Bank Charges			-	-	-	3.99	-	
Interest on Security Deposit			-	-	-	-	-	
Penal Interest Charges			-	-	-	-	-	
Lease Rentals			-	-	-	-	-	
Sub-total			0.00	0.00	0.00	3.99	0.00	
D Grand Total Of Interest & Finance Charges (A + B + C)			95510.03	3277.00	-2232.94	10432.11	96554.09	
E Less: Interest & Finance Charges Capitalised							0.00	
Net Total Of Interest & Finance Charges (D - E)			95510.03	3277.00	-2232.94	10432.11	96554.09	

ISAM POWER GENERATION CORPORATION LIMITED
KARBI LANGPI HYDRO ELECTRIC PROJECT

Form No: 24

Loan Details	Loan Tenure (yrs)	2018-19					
		Actual					
		Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance
A Secured Loans							
I PFC Loans							
KLHEP	15	9.76%	3128.52	0.00	-834.27	264.75	2294.25
NTPS(R&M)	13 1/3	loan close	0.00	0.00	0.00	0.00	0.00
LTPS(R&M)	20	12.22%	7099.83	0.00	-1334.93	785.99	5764.89
Sub-total			41402.07	0.00	-2169.21	4958.92	39232.86
B Unsecured Loans							
I GOA -Loans							
Rural electrification	10	10.00%	10.00	0.00	0.00	1.00	10.00
LWHRP	10	10.00%	886.30	0.00	0.00	88.63	886.30
R&M NTPS	10	10.00%	3374.26	88.42	0.00	341.85	3462.68
R&M LTPS	10	10.00%	2867.00	313.56	0.00	302.38	3180.56
Lungnit SHEP	10	10.00%	400.00	0.00	0.00	40.00	400.00
LTPS, Ph-II	10	10.00%	1805.00	0.00	0.00	180.50	1805.00
Development of SHEP	10	10.00%	100.00	0.00	0.00	10.00	100.00
Survey & Investigation of HEP	10	10.00%	70.00	0.00	0.00	7.00	70.00
Non-Conventional source of energy	10	10.00%	40.00	0.00	0.00	4.00	40.00
KLHEP	10	10.00%	7867.48	371.38	0.00	805.32	8238.87
Dhansiri HEP	10	10.00%	104.00	0.00	0.00	10.40	104.00
Revival of TPS	10	10.00%	50.00	0.00	0.00	5.00	50.00
Development of Amguri	10	10.00%	50.00	0.00	0.00	5.00	50.00
EAP consulting service	10	10.00%	37.45	0.00	0.00	3.75	37.45
Boundary wall of Jagiroad	10	10.00%	53.79	0.00	0.00	5.38	53.79
a Station heat Rate	10	10.00%	31325.00	0.00	0.00	3132.50	31325.00
Solar NTPS	10	10.00%	404.00	0.00	0.00	40.40	404.00
Sub-total			55152.02	773.36	0.00	5553.87	55925.39
C Other Interest & Finance Charges							
Cost of raising Finance / Bank Charges							
Interest on Security Deposit							
Penal Interest Charges							
Lease Rentals							
Sub-total			0.00	0.00	0.00	0.00	0.00
D Grand Total Of Interest & Finance Charges (A + B + C)			0.00	96554.09	773.36	-2169.21	10512.80
E Less: Interest & Finance Charges Capitalised			0.00	0.00	0.00	0.00	0.00
Net Total Of Interest & Finance Charges (D - E)			0.00	96554.09	773.36	-2169.21	10512.80

**SSAM POWER GENERATION CORPORATION LIMITE
KARBI LANGPI HYDRO ELECTRIC PROJECT**

Form No: 24

Loan Details	Loan Tenure (yrs)	2019-20						
		Actual						
		Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	
A Secured Loans								
I PFC Loans								
KLHEP	15	9.76%	2294.25	0.00	-834.27	183.29	1459.98	
NTPS(R&M)	13 1/3	loan close	0.00	0.00	0.00	0.00	0.00	
LTPS(R&M)	20	12.22%	5764.89	0.00	-1334.93	622.87	4429.96	
Sub-total								
B Unsecured Loans								
I GOA -Loans								
Rural electrification	10	10.00%	10.00	0.00	0.00	1.00	10.00	
LWHRP	10	10.00%	886.30	0.00	0.00	88.63	886.30	
R&M NTPS	10	10.00%	3462.68	606.90	0.00	376.61	4069.59	
R&M LTPS	10	10.00%	3180.56	1641.93	0.00	400.15	4822.49	
Lungnit SHEP	10	10.00%	400.00	0.00	0.00	40.00	400.00	
LTPS, Ph-II	10	10.00%	1805.00	0.00	0.00	180.50	1805.00	
Development of SHEP	10	10.00%	100.00	0.00	0.00	10.00	100.00	
Survey & Investigation of HEP	10	10.00%	70.00	0.00	0.00	7.00	70.00	
Non-Conventional source of energy	10	10.00%	40.00	0.00	0.00	4.00	40.00	
KLHEP	10	10.00%	8238.87	1209.08	0.00	884.34	9447.95	
Dhansiri HEP	10	10.00%	104.00	0.00	0.00	10.40	104.00	
Revival of TPS	10	10.00%	50.00	0.00	0.00	5.00	50.00	
Development of Amguri	10	10.00%	50.00	0.00	0.00	5.00	50.00	
EAP consulting service	10	10.00%	37.45	0.00	0.00	3.75	37.45	
Boundary wall of Jagiroad	10	10.00%	53.79	0.00	0.00	5.38	53.79	
a Station heat Rate	10	10.00%	31325.00	0.00	0.00	3132.50	31325.00	
Solar NTPS	10	10.00%	404.00	0.00	0.00	40.40	404.00	
Sub-total			55925.39	3457.91	0.00	5765.43	59383.30	
C Other Interest & Finance Charges								
Cost of raising Finance / Bank Charges								
Interest on Security Deposit								
Penal Interest Charges								
Lease Rentals								
Sub-total			0.00	0.00	0.00	0.00	0.00	
D Grand Total Of Interest & Finance Charges (A + B + C)			0.00	55925.39	3457.91	0.00	5765.43	59383.30
E Less: Interest & Finance Charges Capitalised			0.00	0.00	0.00	0.00	0.00	
Net Total Of Interest & Finance Charges (D - E)			0.00	55925.39	3457.91	0.00	5765.43	59383.30

SSAM POWER GENERATION CORPORATION LIMITED
KARBI LANGPI HYDRO ELECTRIC PROJECT

Form No: 24

Loan Details	Loan Tenure (yrs)	2020-21						
		Actual						
		Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	
A Secured Loans								
I PFC Loans								
KLHEP	15	9.76%	1459.98	0.00	-834.27	101.83	625.70	
NTPS(R&M)	13 1/3	loan close	0.00	0.00	0.00	0.00	0.00	
LTPS(R&M)	20	12.22%	4429.96	0.00	-1334.93	459.75	3095.03	
Sub-total								
B Unsecured Loans								
I GOA -Loans								
Rural electrification	10	10.00%	10.00	0.00	0.00	1.00	10.00	
LWHRP	10	10.00%	886.30	0.00	0.00	88.63	886.30	
R&M NTPS	10	10.00%	4069.59	349.93	0.00	424.45	4419.51	
R&M LTPS	10	10.00%	4822.49	1551.82	0.00	559.84	6374.31	
Lungnit SHEP	10	10.00%	400.00	0.00	0.00	40.00	400.00	
LTPS, Ph-II	10	10.00%	1805.00	0.00	0.00	180.50	1805.00	
Development of SHEP	10	10.00%	100.00	0.00	0.00	10.00	100.00	
Survey & Investigation of HEP	10	10.00%	70.00	0.00	0.00	7.00	70.00	
Non-Conventional source of energy	10	10.00%	40.00	0.00	0.00	4.00	40.00	
KLHEP	10	10.00%	9447.95	824.07	0.00	986.00	10272.02	
Dhansiri HEP	10	10.00%	104.00	0.00	0.00	10.40	104.00	
Revival of TPS	10	10.00%	50.00	0.00	0.00	5.00	50.00	
Development of Amguri	10	10.00%	50.00	0.00	0.00	5.00	50.00	
EAP consulting service	10	10.00%	37.45	0.00	0.00	3.75	37.45	
Boundary wall of Jagiroad	10	10.00%	53.79	0.00	0.00	5.38	53.79	
a Station heat Rate	10	10.00%	31325.00	0.00	0.00	3132.50	31325.00	
Solar NTPS	10	10.00%	404.00	0.00	0.00	40.40	404.00	
Sub-total			59383.30	2725.82	0.00	6074.62	62109.12	
C Other Interest & Finance Charges								
Cost of raising Finance / Bank Charges								
Interest on Security Deposit								
Penal Interest Charges								
Lease Rentals								
Sub-total			0.00	0.00	0.00	0.00	0.00	
D Grand Total Of Interest & Finance Charges (A + B + C)			0.00	59383.30	2725.82	0.00	6074.62	62109.12
E Less: Interest & Finance Charges Capitalised			0.00	0.00	0.00	0.00	0.00	
Net Total Of Interest & Finance Charges (D - E)			0.00	59383.30	2725.82	0.00	6074.62	62109.12

**SSAM POWER GENERATION CORPORATION LIMITE
KARBI LANGPI HYDRO ELECTRIC PROJECT**

Form No: 24

Loan Details	Loan Tenure (yrs)	2021-22						
		Actual						
		Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	
A Secured Loans								
I PFC Loans								
KLHEP	15	9.76%	625.70	0.00	-625.70	30.55	0.00	
NTPS(R&M)	13 1/3	loan close	0.00	0.00	0.00	0.00	0.00	
LTPS(R&M)	20	12.22%	3095.03	0.00	-1334.93	296.63	1760.09	
Sub-total								
B Unsecured Loans								
I GOA -Loans								
Rural electrification	10	10.00%	10.00	0.00	0.00	1.00	10.00	
LWHRP	10	10.00%	886.30	0.00	0.00	88.63	886.30	
R&M NTPS	10	10.00%	4419.51	225.74	0.00	453.24	4645.25	
R&M LTPS	10	10.00%	6374.31	1586.64	0.00	716.76	7960.95	
Lungnit SHEP	10	10.00%	400.00	0.00	0.00	40.00	400.00	
LTPS, Ph-II	10	10.00%	1805.00	0.00	0.00	180.50	1805.00	
Development of SHEP	10	10.00%	100.00	0.00	0.00	10.00	100.00	
Survey & Investigation of HEP	10	10.00%	70.00	0.00	0.00	7.00	70.00	
Non-Conventional source of energy	10	10.00%	40.00	0.00	0.00	4.00	40.00	
KLHEP	10	10.00%	10272.02	316.07	0.00	1043.01	10588.09	
Dhansiri HEP	10	10.00%	104.00	0.00	0.00	10.40	104.00	
Revival of TPS	10	10.00%	50.00	0.00	0.00	5.00	50.00	
Development of Amguri	10	10.00%	50.00	0.00	0.00	5.00	50.00	
EAP consulting service	10	10.00%	37.45	0.00	0.00	3.75	37.45	
Boundary wall of Jagiroad	10	10.00%	53.79	0.00	0.00	5.38	53.79	
a Station heat Rate	10	10.00%	31325.00	0.00	0.00	3132.50	31325.00	
Solar NTPS	10	10.00%	404.00	0.00	0.00	40.40	404.00	
Sub-total			62109.12	2128.45	0.00	6317.33	64237.57	
C Other Interest & Finance Charges								
Cost of raising Finance / Bank Charges								
Interest on Security Deposit								
Penal Interest Charges								
Lease Rentals								
Sub-total			0.00	0.00	0.00	0.00	0.00	
D Grand Total Of Interest & Finance Charges (A + B + C)			0.00	62109.12	2128.45	0.00	6317.33	64237.57
E Less: Interest & Finance Charges Capitalised			0.00	0.00	0.00	0.00	0.00	
Net Total Of Interest & Finance Charges (D - E)			0.00	62109.12	2128.45	0.00	6317.33	64237.57

Name of Company:		ASSAM POWER GENERATION CORPORATION LIMITED					
Name of Plant/ Station:		KARBI LANGPI HYDRO ELECTRIC PROJECT					
Return on Equity			Form No:	F25			
	Loan Details	Unit	2017-18	2018-19	2019-20	2020-21	2021-22
			Actual	Estimated	Projected	Projected	Projected
1	Equity (Opening Balance)	Rs Cr.	68.65	68.65	68.65	68.65	68.65
2	Add: Increase due to discharges during the year / period	Rs Cr.	0	0	0	0	0
3	Less: Decrease due to de-capitalisation during the year / period	Rs Cr.	0	0	0	0	0
4	Less: Decrease due to reversal during the year / period	Rs Cr.	0	0	0	0	0
5	Equity (Closing Balance)	Rs Cr.	68.65	68.65	68.65	68.65	68.65
6	Average Equity	Rs Cr.	68.65	68.65	68.65	68.65	68.65
7	Rate of Return on Equity	%	15.50%	15.50%	15.50%	15.50%	15.50%
8	Return on Equity	Rs Cr.	10.64	10.64	10.64	10.64	10.64

Name of Company:		ASSAM POWER GENERATION CORPORATION LIMITED					
Name of Plant/ Station:		KARBI LANGPI HYDRO ELECTRIC PROJECT					
Working Capital Requirements			Form No:	F26			
	Particulars	Unit	2017-18 Actual	2018-19 Estimated	2019-20 Projected	2020-21 Projected	2021-22 Projected
For Coal Based Generating Stations							
1	Cost of Coal for 1.5 months for pithead & 2 months for non-pit head generating station*	Rs Cr.					
2	Cost of Secondary Fuel Oil for 2 months*	Rs Cr.					
3	Maintenance Spares @ 20% of O&M	Rs Cr.					
4	O&M expenses for 1 month	Rs Cr.					
5	Receivables equivalent to 2 months of capacity and energy charge^	Rs Cr.					
	Total Working Capital Requirement	Rs Cr.					
	Rate of Interest #	%					
	Interest on Normative Working Capital Requirement	Rs Cr.					
For Open-cycle Gas Turbine/ Combined Cycle thermal generating stations							
1	Fuel expenses for 1 month *	Rs Cr.					
2	Liquid fuel stock for 15 days*	Rs Cr.					
3	Maintenance spares @ 30% of O&M	Rs Cr.					
4	O&M expenses for 1 month	Rs Cr.					
5	Receivables equivalent to 2 months of capacity and energy charge^	Rs Cr.					
	Total Working Capital Requirement	Rs Cr.					
	Rate of Interest #	%					
	Interest on Normative Working Capital Requirement	Rs Cr.					
For Hydro Generating stations							
1	O&M expenses for 1 month	Rs Cr.	1.93	2.04	2.48	2.64	2.80
2	Maintenance spares @ 15% of O&M	Rs Cr.	6.94	7.34	8.93	9.49	10.09
3	Receivables equivalent to 2 months of annual fixed charge	Rs Cr.	16.50	13.51	16.11	15.89	13.84
	Total Working Capital Requirement	Rs Cr.	25.37	22.89	27.52	28.02	26.74
	Rate of Interest #	%	12.60%	0.13	0.12	0.12	0.12
	Interest on Normative Working Capital Requirement	Rs Cr.	3.20	2.88	3.17	3.22	3.07
	* corresponding to target availability						
	^ calculated on target availability						
	interest rate equivalent to State Bank of India base rate as on 1st April of the respective						

Name of Company:		ASSAM POWER GENERATION CORPORATION LIMITED				
Name of Plant/ Station:		KARBI LANGPI HYDRO ELECTRIC PROJECT				
Details of Expenses Capitalised		Form No: F 28				
		(Rs Cr.)				
		2017-18	2018-19	2019-20	2020-21	2021-22
		Actual	Estimated	Projected	Projected	Projected
1	Interest & Finance charges Capitalised					
2	Employee expenses					
3	A&G Expenses					
4	Others, if any					
	Grand Total	0.00	0.00	0.00	0.00	0.00

Name of Company:		SAM POWER GENERATION CORPORATION LIMIT				
Name of Plant/ Station:		KARBI LANGPI HYDRO ELECTRIC PROJECT				
Income Tax Provisions		Form No: F29				
				(Rs Cr.)		
		2017-18	2018-19	2019-20	2020-21	2021-22
		Actual	Estimated	Projected	Projected	Projected
1	Income Tax on the Return on Equity					
2	As Per Return Filed For The Year	1.29	0.00	0.00	0	0
3	As Assessed For The Year					
4	Credit/Debit Of Assessment Year(s) (Give Details)					
	Total	1.29	0.00	0.00	0.00	0.00
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.						

Name of Company:		SSAM POWER GENERATION CORPORATION LIMITED				
Name of Plant/ Station:		KARBI LANGPI HYDRO ELECTRIC PROJECT				
Non-Tariff Income		Form No: F30				
		(Rs Cr.)				
S. No.	Particulars	2017-18	2018-19	2019-20	2020-21	2020-21
		Actual	Estimated	Projected	Projected	Projected
A	Income from Investment, Fixed & Call Deposits					
	Income from Investments:					
	Interest on securities					
	Interest on fixed deposits	4.89				
	Income on other investments					
	Interest from Banks	0.00				
	Interest on (any other items)					
	Sub-Total	4.89				
B	Other Non-Tariff Income					
	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		5.75	5.75	5.75	5.75
	Income from trading	-0.76				
	Gain on sale of Fixed Assets					
	Income/Fees /Collections against staff welfare activities:					
	Miscellaneous Receipts:	0.19				
	Delayed Payment charges from Beneficiaries					
	Net profit from UI charges					
	Penalty for contractor/ supplier for delay etc					
	Misc Charges					
	Sub-Total	-0.57				
	Grand Total	4.32	5.75	5.75	5.75	5.75