



Social Monitoring Report

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India: Assam Power Sector Investment Program - Tranche 3

Prepared by Assam Power Generation Corporation Limited (APGCL) for the Asian Development Bank (ADB).

Asian Development Bank

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Semi-Annual Social Monitoring Report

Reporting Period : July to December 2023

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Prepared by the Assam Power Generation Corporation Limited (APGCL) for the
Asian Development Bank (ADB)

Semi-annual Social Monitoring Report

Lower Kopili Hydro Electric Project, Assam

Reporting Period: July to December 2023



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EXECUTIVE SUMMARY

1. The Lower Kopili Hydroelectric Power (LKHEP) presently under implementation would serve the growing demand for electricity in the state of Assam, sustain a healthy share of renewable energy in the Assam grid, and assist in moderating the delivered cost of power for distribution companies. The proposed LKHEP will use the hydropower potential of the Kopili River, a south bank tributary of the Brahmaputra River. LKHEP is designed to operate as a run-of-river power plant with diurnal storage with a total capacity of 120 megawatts (MW) comprising a main plant rated at 110 MW and an auxiliary plant rated at 10 MW. The main plant would receive water diverted at the dam to be built in Longku on Kopili River, while the auxiliary power plant is located at the bottom of the dam at Longku, using water released at the bottom of the dam to maintain the minimum river flow downstream of Longku.

2. Assam requires additional generating capacity to fulfil the needs of the state to uplift the state economy, to serve the unmet needs of existing customers, and to complete the household electrification. This additional generating capacity being of lower cost, allowing the state to continue to maintain the present generation costs, or even reduce such costs. Compared with oil, gas, and coal, the three other primary energy options available to Assam to enhance its generating system, hydroelectric generation provides a lower cost, and environmentally less polluting resource. LKHEP fulfils a portion of such needs. With several hydropower plants planned, amidst increasing capacity of thermal generation, Assam can maintain the share of hydropower capacity in the range of 33%, which is higher than the national average for hydropower capacity.

3. As per ADB's Safeguard Policy Statement (2009), the project is classified as "A" for Involuntary Resettlement (IR) and Indigenous Peoples (IP). Therefore, a Combined Resettlement and Tribal Development Plan (CRTDP) was prepared to address the land acquisition and social impacts due to the project area which is falling under sixth schedule area.

4. To deal the land required for 220 KV DC transmission line, a separate Combined Resettlement and Indigenous Plan has also been prepared.

5. The Project affects total 17 villages under the jurisdiction of two autonomous districts (Dima Hasao and Karbi Anglong) with 1214 project affected families' tribal households respectively. The Project has acquired 1,577 hectares (Dima Hasao Revenue Land -909, and Forest land 478 Hectares, Karbi Anglong Revenue Land - 45 and Forest Land - 145 Hectares) of land of which about two-thirds are leaseholds and the remaining of land are state forests. The Project is in a 'non-cadastral' area, that is, no land or revenue records are available other than the data on the leased land parcels to tribal persons. All affected lands in the two ADC are classified as either patta (registered) land or as non-patta land or village commons. Farmers cultivate paddy under rain-fed conditions on some of the patta land which have been obtained on a long-term lease (5 years or more). On non-patta lands which have been obtained on short-term lease (one year) villagers' practice jhum (slash-and-burn) cultivation. The leaseholds are also classified by the land use type such as paddy land, dry land, jhum land (slash and burn) land, and homesteads. In Karbi Anglong Autonomous District, some land is in the category of 'plantations' where



cash crops such as bananas are cultivated.

6. There is various mitigation measures adopted for the Project in terms of entitlements at both household level and community level. The entitlement matrix of the CRTDP summarizes the entitlements of the affected families and communities. It aims not only to compensate land losses and restore livelihoods and sources of income of the affected households but also to improve them. The key mitigation measures proposed at household levels are cash compensation for land and crops acquired; resettlement of physically displaced households; household income restoration and improvement; infrastructure and other amenities at the resettlement site. The mitigation measure proposed at community level is the local area development program.

7. APGCL has already disseminated resettlement information among the Affected Families (AF) through public meetings, calling AFs representatives to Guwahati for Project meetings and to meet Government of Assam (GoA) and Autonomous District Councils (ADC) officials. The APGCL held several meetings in the project area with the support of Lower Kopili Hydro Electric Power Project Affected Persons' Associations (LKHEPPAPA) and Gaon Bura of the villages to create awareness about the Project among the potential AFs. It will disseminate more resettlement and income restoration and improvement information among all AFs through brochures, leaflets, and booklets written in local languages. For non-literate people, other communication methods such as small group discussions and posters will be used to disseminate Project and resettlement information. The summary draft CRTDP has been translated into Assamese language and has been disseminated to the AFs in the form of leaflet in April 2018 during consultations.

8. PMC was already recruited to assist APGCL in implementing the project. Additionally, APGCL has already been hired an implementing NGO to assist Social and Environmental Safeguard Cell (SESC) in safeguard implementation, especially the implementation of livelihood restoration and improvement programs. The main objectives to engage the NGO(a) to update the socioeconomic surveys for all the AFs based on the final design and final list of AFs, and will update the draft CRTDP; (b) design an environmental and social management system for the implementation of the CRTDP; (c) improve the monitoring framework with accurate monitoring indicators for safeguard performance monitoring; (d) update socioeconomic baseline information; (e) undertake field studies, if required, to fill in gaps in socioeconomic databases; and (f) assist the establishment of the grievance redress mechanism and its operations.

9. External Monitoring Consultant (M/s Feedback Infra Private Limited, AQUALOGUS – Engenharia e Ambiente, Lda. & Jade Consult Pvt. Ltd. and JFPR implementation agency M/s RMSI are also onboard and has started the monitoring and support to the APGCL.

10. To implement the JFPR fund, M/s RMSI Consultant has been engaged. The consultant has been mobilised and initial studies have also been conducted.

11. The present semi-annual social monitoring report is covering the progress of the implementation of CRTDP and RIPP report period from July to December 2023.



SUMMARY OF PROJECT IMPACTS&PROGRESS PACKAGE-1

12. The 120 MW LKHEP project has the following impacts on the land, properties, trees and crops etc. table below presents the actual impact due to the project. The below Impacts presents the village wise impacts on land, structures, trees, and crops.

Table 1: Summary of Project Impacts

| SL. No. | Village | Impacts | | | |
|-----------------|--------------------------------|------------------------------|------------|--------------|----------------|
| | | Land (Bigha) | Structures | Trees | Crops & Plants |
| 1 | Borolangklam | 1127.50 | 0 | 1570 | 116264 |
| 2 | Borolongku | 1328.60 | 15 | 1580 | 395033 |
| 3 | Chotolongku | 89.90 | 4 | 320 | 46206 |
| 4 | Chotolangpher | 190.30 | 2 | 744 | 223196 |
| 5 | Degremdisa | 500.70 | 0 | 4013 | 149808 |
| 6 | Dimalangku | 173.90 | 31 | 223 | 64422 |
| 7 | Disabra | 1043.60 | 20 | 7331 | 349639 |
| 8 | Krungmenglangso | 329.60 | 0 | 293 | 17802 |
| 9 | Longku-II | 192.00 | 20 | 206 | 175699 |
| 10 | Lorulangso | 135.20 | 2 | 555 | 22226 |
| 11 | Mungkele | 916.80 | 1 | 982 | 129167 |
| 12 | Rongkhelan | 6.20 | 1 | 7 | 400 |
| 13 | Sokpuru | 215.20 | 14 | 106 | 32955 |
| 14 | Tortelangso | 505.30 | 11 | 304 | 144915 |
| 15 | Waperdisa | 26.00 | 1 | 5895 | 15961 |
| | Sub-total Dima Hasao | 6780.8 | 122 | 24129 | 1883693 |
| 16 | Cherimthepi | 417.00 | - | - | - |
| 17 | Langsomepi | 651.00 | - | - | - |
| | Sub-total Karbi Anglong | 1068.00 | - | - | - |
| G. Total | | 7848.80 (1054 Ha) | 122 | 24129 | 1883693 |

Source: census and socio-economic survey conducted by the NGO and Zirat assessment sheets (JVS forms).
(7.45 Bighas = 1 Hectare)

SUMMARY OF PROJECT IMPACTS&PROGRESS PACKAGE-4 (TL)

13. The Construction Of 220 KV DC Transmission Line from Lower Kopili Hydro Electric Project to Sankar Dev Nagar Grid Substation project has the following impacts on the land, properties, trees and crops etc. Table below presents the impact due to the transmission line. So far, total 217 project affected families/landowners are affected due to the tower foundations in 28 villages falling in entire alignment of the transmission line. Table 2 below presents the present status of the transmission line.

14. More than 13 bighas of land has been compensated with Zirat to the affected landowners. Assessment of land and Zirat under the corridor is in progress. Land area, Zirat and number of families under the corridor will be updated in the next monitoring report.

**Table 2: Summary of Project Impacts in Package 4 (Transmission Line)**

| SL. No. | Village Name | From – To (tower) | District | No. of Towers | Affected Land (in Bigha) | Affected Families |
|---------|---------------------|---------------------|---------------|---------------------|-----------------------------|-------------------|
| 1 | Pam Gaon | 1/0 to 7/2 | Hojai | 10 | 0.778 | 15 |
| 2 | Ampukhuri | 8/0 to 8/1 | | 2 | 0.206 | 4 |
| 3 | Lokhipur | 9/0 to 11/0 | | 3 | 0.360 | 5 |
| 4 | Pub Bhaluk Mari | 11A/0 | | 1 | 0.122 | 1 |
| 5 | Paschim Bhaluk Mari | 12/0 to 14/0 | | 5 | 0.469 | 5 |
| 6 | Paschim Lanka | 15/0 to 19/1 | | 6 | 0.547 | 8 |
| 7 | Lanka Town | 19/2 to 21/0 | | 3 | 0.388 | 3 |
| 8 | Doblong | 22/0 to 25/0 | | 8 | 0.578 | 11 |
| 9 | Shamboria | 26/0 to 27/1 | | 3 | 0.294 | 5 |
| 10 | Lalundubi | 27/2 to 29/0 | | 3 | 0.19 | 5 |
| 11 | Alisinga | 29/1 to 29/5 | | 5 | 0.238 | 7 |
| 12 | Krishna Nagar | 30/0 32/0 | | 3 | 0.260 | 6 |
| 13 | Watizor No.-2 | 32/1 to 35/0 | | W. Karbi Anglong | 4 | 0.443 |
| 14 | Hajagapher | 36/0 to 36/4 | 5 | | 0.338 | 8 |
| 15 | Bakriphanghaja | 37/0 to 39/0 | 7 | | 0.559 | 10 |
| 16 | Dikhlempur | 39/1 to 46/0 | 11 | | 1.072 | 24 |
| 17 | Baraima | 47/0 to 50/0 | Dima Hasao | 7 | 0.524 | 8 |
| 18 | Borowasling | 50/1 to 51/2, 52/1 | | 5 | 0.237 | 7 |
| 19 | Dismao | 52/0 , 52/2 to 53/2 | | 6 | 0.600 | 6 |
| 20 | Jangphonglangso | 54/0 to 54/1 | | 2 | 0.155 | 2 |
| 21 | Chotowasling | 54/2 to 56/2 | | 6 | 0.418 | 9 |
| 22 | Washibil | 57/0 to 57/4, 59/1 | | 6 | 0.379 | 8 |
| 23 | Tharvethepo | 58/0 to 59/0 | | 3 | 0.410 | 3 |
| 24 | Langri | 59/2 to 67/0 | | 14 | 1.040 | 15 |
| 25 | Kokdanglangso | 68/0 to 74/0 | | 12 | 1.117 | 17 |
| 26 | Chotolangpher | 75/0 to 81/0 | | 9 | 0.892 | 13 |
| 27 | Disabra | 81/1 to 83/0 | | 3 | 0.325 | 2 |
| 28 | Longku | 84/0 to 87/0 | 4 | 0.327 | 0 | |
| | | | Total | 156 | 13.266 (1.78 Ha) | 217 |

Source: updated as on 30th December 2023 by M/s STEL (7.45 Bighas = 1 Hectare)

PHYSICAL PROGRESS

15. The physical progress is summarised below.

Table 3: Status of Contracts and Progress

| Details of Packages | Start Date | End Date | Physical Progress | Remarks |
|---------------------------|-------------------------|-------------------------|-------------------|---|
| Pkg-1 (Bldg. & infra) | 1st Nov-22 | 30 th Apr-24 | 11.0% | M/s. BVG India Ltd. Bills-under process |
| Pkg-2 (Roads, Civil & HM) | 1 st Sep-20 | 31 st Aug-24 | 47.1% | M/s. L&T Ltd. Excluding under process bills 3.8 % |
| Pkg-3 (EM Works) | 12 th Nov-21 | 13-Mar-25 | 24.0% | AHPL. Under process 1 % |
| Pkg-4 Transmission Line | 1 st Jun-22 | 12 th Dec-23 | 49.4% | M/s. Salasar Techno Engg Ltd. JV with Akelik Group OJCS - 20 th Apr'22 |



| | | | | |
|----------------------------------|-------------------------|-------------------------|---------|---|
| | | | | Contract Signed – 27 th May 2022. |
| Pkg-5 PMC – Services | 1 st Jul-20 | 30 th Jun-24 | 62.0% | AF Consultant Switzerland Ltd. |
| Pkg-6 ERP -Packages | 31 st Jul-19 | 30 th Jun-24 | Ongoing | Lot-4, NoA issued on 27 th Dec'22. |
| Pkg-7 External Monitoring +RMSI | 24 th Dec-21 | 23 rd Dec-27 | Ongoing | Feedback JV Jade Consult. & AEA (4 Yrs Con + 2 Yrs Operation) |
| R&R, Forest, Contingency & Misc. | | | Ongoing | 297 Cr expenditure done. |
| JFPR Consultant | | | Ongoing | M/s RMSI |

PROGRESS TOWARDS LA & R&R

16. The CRTDP implementation is in progress and compensation of Land and Zirat has already been paid to all affected land holders. R&R Assistancess payment is in progress. Following Table presents the status of land and other payments in all the packages for affected land holders.

Table 4: Summary sheet of progress in CRTDP Implementation (R&R)

| Details of Compensation | | Total Impact (Nos.) | Payment | | Total Compensation paid (In Cr.) | Remarks |
|--------------------------------|---------------|---------------------|---------|----------------|----------------------------------|--|
| | | | Done | yet to be done | | |
| Land Compensation | Dima Hasao | 1369 | 1369 | 0 | ₹ 44.69 | Payment Completed. Irrigation department has been approached for issuing NOC for demolition |
| | Karbi Anglong | 231 | 231 | 0 | ₹ 7.05 | |
| R&R Assistancess | Dima Hasao | 954 | 941 | 13 | ₹ 51.74 | Payment is pending due to Legal heir certificate from affected families. AGPCL is pursuing the matter with council also. |
| | Karbi Anglong | 206* | 181 | 25 | ₹ 9.95 | |
| 220KV Line Land Compensation | | 189 | 110 | TBD | ₹ 0.36 | 15 nos. of Towers have ROW problem as reported by M/S STEL. |
| 220 KV line Zirat compensation | | 217 | 115 | TBD | ₹ 0.94 | Zirat assessment is in progress and parallelly being approved and recommended for payment. assessment work is in progress in entire transmission line route. |

*The number of PAFs in the Karbi Anglong has been reduced as the 8 PAFs were common and paid in Dima Hasao. With this change, the total figure is now 206.

GRM AND PRESENT STATUS OF PENDING GRIEVANCES

17. All 402 grievances have been resolved and it has intimated to all the concerns during the public consultation meetings. As directed by the Principal Secretary, DHAC, Lot Patowari has furnished the site visit report and submitted the closure report to the Council and APGCL. No further grievance has been noted during the project monitoring period. Complaint box with the active contact numbers have been provided at prominent locations including all the APGCL engineer's hostel, PMC and contractors' offices. NGO has also



maintained the complaint register.

CHAPTER 1. INTRODUCTION

1.1 BACKGROUND

18. The purpose of this semi-annual Social Monitoring Report (SMR) is to monitor the progress of Combined Resettlement and Tribal Development Plan (CRTDP) and record social, economic, and cultural aspects of the proposed Lower Kopili Hydro Electric Project (LKHEP) area and its affected communities. The SMR will also cover the progress and achievements in implementation of Gender Action Plan. A key monitoring area of the report is to the obtain the Affected Families (AFs) to benefit from the Project; and to restore and improve their livelihoods and sources of income. It is also examining the institutional arrangements for delivering entitlements and project benefits to the AFs and other stakeholders. Function of GRC and the adopted mechanism for resolving grievances and complaints will also be briefed in the SMR.

19. The executing agency (EA) of LKHEP is Assam Power Generation Corporation Ltd (APGCL). It pays for land acquisition and compensation, relocation of the AFs, and their income restoration and improvement. APGCL through its PMU, PMC and implementing NGO will be implementing the CRTDP.

1.2 OBJECTIVE OF REPORT

20. Prior to initiation of civil works, the social impact was assessed and classified as per ADB SPS 2009 as Category 'A' for both Involuntary Resettlement and for Indigenous Peoples. The compensation and entitlement matrix are based on the resettlement planning documents of 2018. The payment of compensation has been made to most affected families in Dima Hasao District. The prerequisite of the internal social safeguard monitoring activities is focusing on the status of implementation of the social safeguard issues, effectiveness in implementation of the social program and provision of feedback and suggestions for the full compliance with ADB and Government of Assam rules and regulations.

1.3 DESCRIPTION OF PROJECT

21. The Assam State Electricity Board (ASEB), The North-eastern Electric Power Corporation (NEEPCO), and APGCL have contributed to the development of plan for Kopili River Valley in 1980. The GoA in 2006 appointed APGCL to finalize the project plan and implement it. A DPR was prepared, and clearance obtained from various directorates including from the Central Electricity Authority (CEA) and Central Water Commission (CWC).

22. The dam proposed to be built at Longku will be a concrete gravity dam, of height 70 meters (m) and width 345 m. The crest of the dam will be 232.5 m above mean sea level (MSL). The dam will create a reservoir at Longku with a spread of 552 hectares (ha), with live storage of 77 million cubic meters. A tunnel will be excavated to deliver the water from the reservoir to the main power plant. Water from the intake to the main power plant enters the tunnel of diameter 6.65 m on the right bank of the Kopili River. This tunnel will be 3.6 kilometre (km) long. At the end of this low-pressure tunnel, water will enter the pressure shaft. The pressure shaft



will be circular of 5.2 m diameter, steel lined, with a length of 704 m. The pressure shaft will deliver water to two steel penstocks each of length of about 60 m, which in turn would convey water to the turbines. Water to the auxiliary power plant will be taken directly along a steel-lined circular pressure shaft of diameter 2.7 m and of length 70 m, and delivered to the turbine through three steel penstocks, each about 30 m long. The designed discharge capacity is 112.7 cubic meters per second (m³/s), at a flow velocity of 3.13 m/s.

23. The Kopili River is a tributary of the Brahmaputra River. It originates in the Borail Hill Range of Meghalaya, the catchment of the Kopili River lies on the leeward side of the Borail, Khasi and Jaintia Hill ranges. Good amount of rainfall keeps it as Perennial River. Lower Kopili Hydro-Electric Project (LKHEP) is a run of the river scheme with diurnal storage on the Kopili River at Longku in east of Karbi Anglong and west of Dima Hasao Assam districts. The project is envisaged to run at full potential in monsoon season and operate as a peaking station in non-monsoon season. The total installed capacity is 120 MW, generated by Main Powerhouse with 2 units of 55 MW installed capacity each, and an Auxiliary Powerhouse with 3 units of 2.5+2.5+5.0 MW installed capacity.

24. The LKHEP is part of stage development of the Kopili River valley near Longku village, with the Dam site at 25° 39' 57.39" N and 92° 46' 53.62" E and the Powerhouse site at 25° 41' 54.02" N and 92° 48' 15.98" E. The first stage, which is upstream of the LKHEP, comprises of 3 x 25 MW Kandong HEP and 4 x 50 MW Kopili HEP.

25. The project location and lay-out plan are shown in **Figure 1: Project Location Map (Source: Google Maps)** and **Figure 2: Project Lay-out Plan (Source: APGCL)**. **Figure 3: Layout of Transmission line (Google earth)** and **Figure 4: Layout of Transmission line (Toposheet)** showing the final route plan of the 220 KV Double Circuit Transmission Line from Lower Kopili Hydroelectric Project to Sankardev Nagar Grid Substation.

26. The Project can be reached by NH-52 Guwahati – Lanka Road and from Lanka to Umrangso i.e., Project Site Road (~155km+~48km). Besides the Power Plant Complex, LKHEP includes 14 new Access Roads within the Project Site Area for access to various Project components.



Figure 1: Project Location Map (Source: Google Maps)



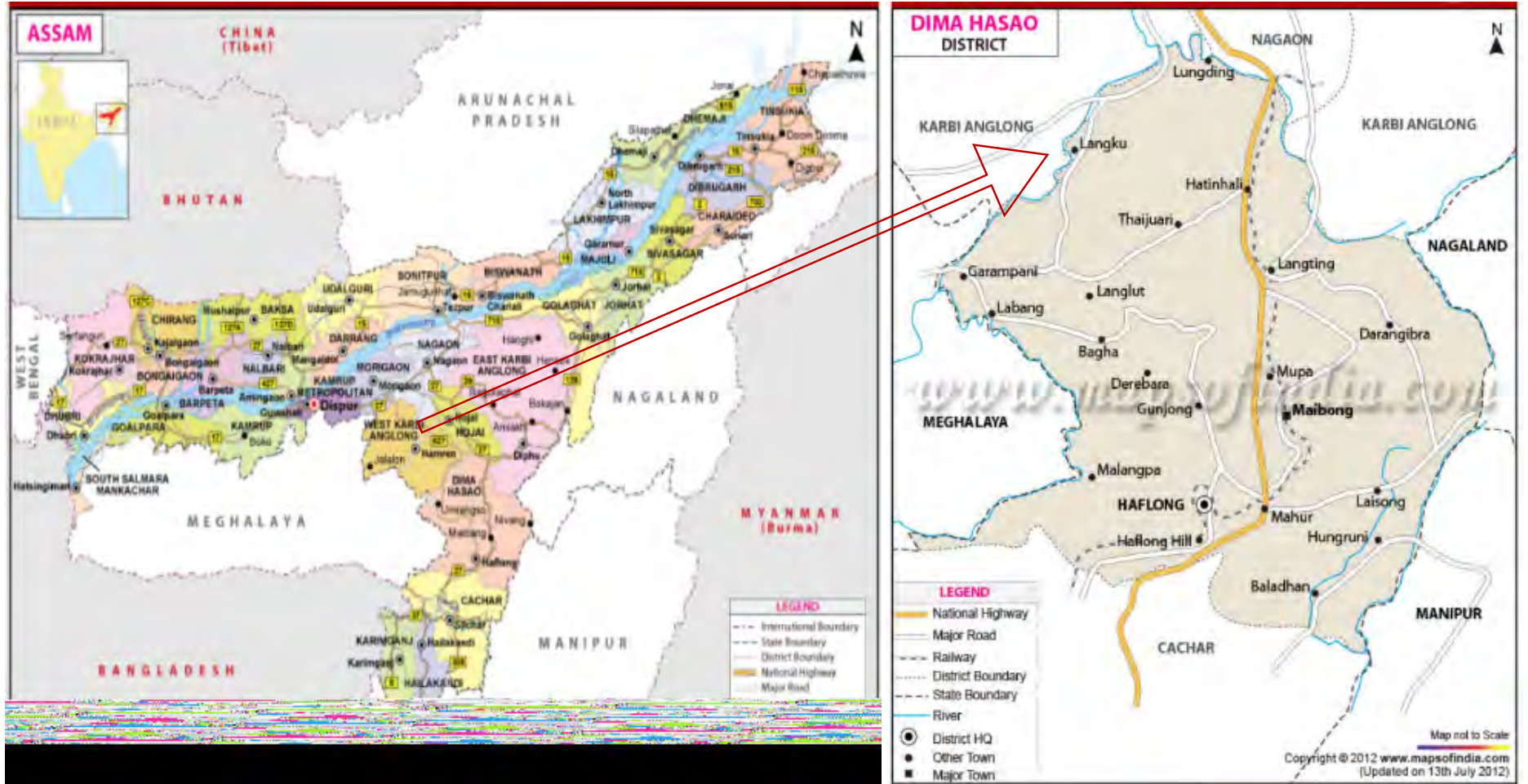




Figure 2: Project Lay-out Plan (Source: APGCL)

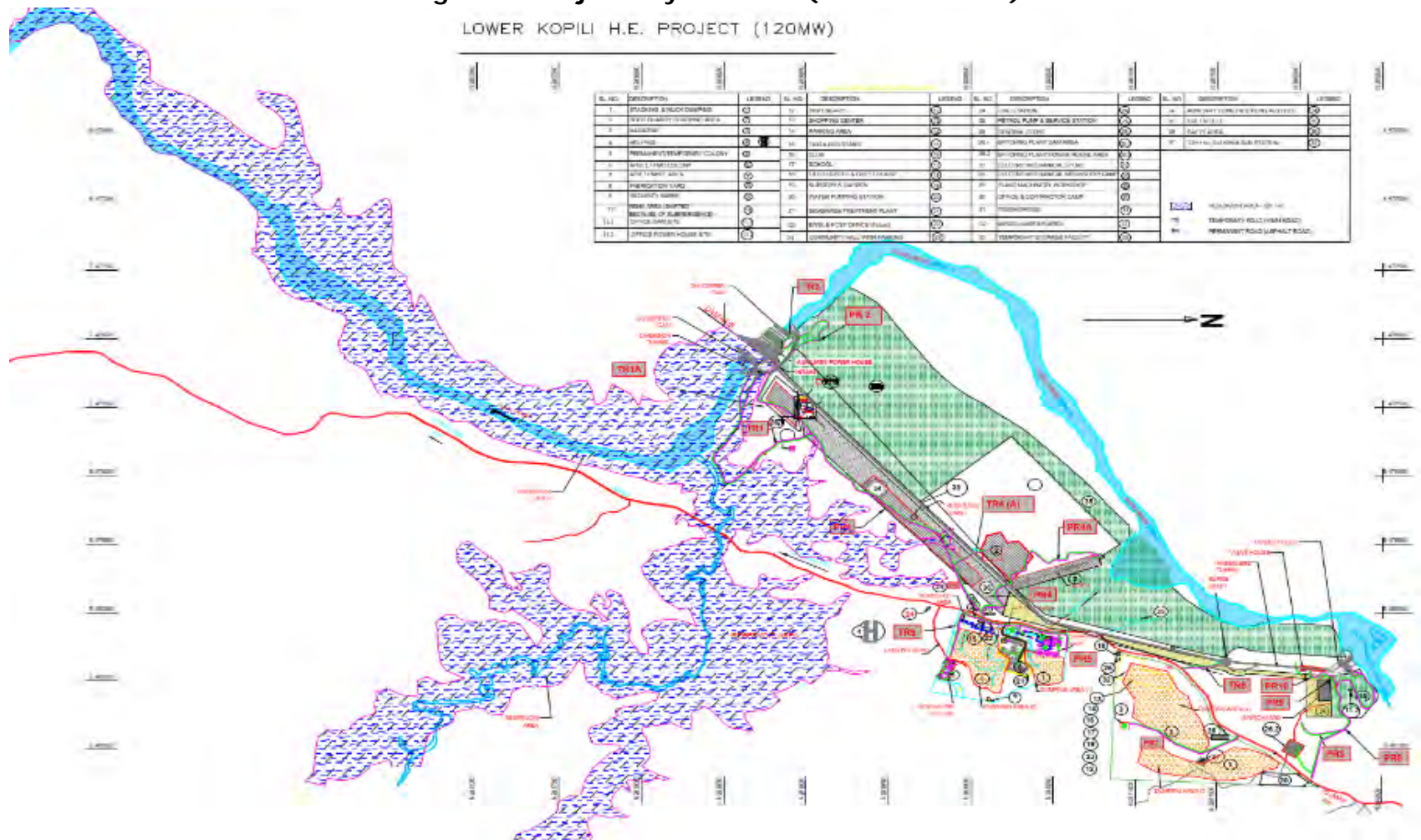




Figure 3: Layout of Transmission line (Google earth)





Figure 4: Layout of Transmission line (Toposheet)





1.4 SALIENT FEATURES: CONTRACT DETAILS FOR CIVIL WORKS

27. The following table presents the contract details of project.

Table 1.1: Details of Contract for Packages and Present Status

| | | |
|--|--|------------------|
| Employer | Assam Power Generation Corporation Limited (APGCL) | |
| PMC | AF Consult Switzerland in association with United Engineers Alliance India | |
| Contract | Contract agreements with APGCL (Chronology of Events): | Key Dates |
| | ➤ Notice to Proceed for Phase-A, issued. | 26/07/2017 |
| | ➤ Contract for Consulting Services, signed. | 04/10/2017 |
| | ➤ Contract for Phase-B Services signed. | 11/01/2021 |
| Package 1: | ➤ Contract signed with M/s. BVG India Ltd. on | 30-09-2022 |
| Package-2: Contract (Project Roads, Civil & HM Works) | ➤ Notice to proceed issued to M/s. L&T Ltd, by APGCL with commencement date effective from 01/09/2020. | 31-08-2020 |
| Package 3: | ➤ Package was awarded to M/s Andritz Hydro Pvt. Ltd. ➤ the contractor is working at full swing | 09/09/2021 |
| Package-4: Construction of 220 KV Double Circuit Transmission Line from Lower Kopili Hydroelectric Project to Sankardev Nagar Grid Substation | <ul style="list-style-type: none"> ➤ Contract Agreement was signed with M/s. Salasar Techno Engineering Limited (Lead Partner) and M/s. Akelik Group (JV Partner) ➤ Construction of 220 KV Double Circuit Transmission Line from Lower Kopili Hydroelectric Project to Sankardev Nagar Grid Substation on Turnkey Basis. ➤ Contractor to identify impacts related to IR as per Resettlement and IPP (RIPP) prior to commencement of works. ➤ TKC Contractor has mobilized during the Monitoring Period and established the operational office and store at Madap Bazar (near Kheroni Chariali) between Lanka and Longku. ➤ The transmission line is passing through 3 districts i.e., Dima Hasao, West Karbi Angling and Hojai. | 27/05/2022 |

1.5 PROJECT OBJECTIVES AND OUTCOME

28. Assam requires additional generating capacity to fulfil the needs of the state to uplift the state economy, to serve the unmet needs of existing customers, and to complete the household electrification. This additional generating capacity requires to be of lower cost, allowing the state to continue to maintain the present generation costs, or even reduce such costs. Compared with oil, gas, and coal, the three other primary energy options available to Assam to enhance its generating system, hydroelectric generation provides a lower cost, and environmentally less polluting resource. LKHEP fulfils a portion of such needs. With several hydropower plants



planned, amidst increasing capacity of thermal generation, Assam can maintain the share of hydropower capacity in the range of 33%, which is higher than the national average for hydropower capacity.

29. The proposed Tranche 3 project has three outputs: (i) construction of the 120 MW Lower Kopili hydroelectric power plant; (ii) strengthening of institutional capacity of Assam Power Generation Corporation Limited (APGCL); and (iii) improving resource management and community resilience along the Kopili River. The 120 MW Lower Kopili Project has a very important role in electricity demand for the Assam state as described in table below.

Table 1.2: Importance of 120 MW LKHEP

| Importance of 120 MW LKHEP | |
|----------------------------|---|
| ✓ | The outcome of the project will be increased capacity of energy generation in Assam, where electricity generation will be increased by 469 gigawatt-hour/year (GWh/year). |
| ✓ | Greenhouse gas generation from electricity generation will decrease by 360,000 total carbon dioxide (tCO ₂)/year from 2024 onwards. |

1.6 PROJECT IMPLEMENTATION ARRANGEMENTS

30. The Department of Energy of GoA will coordinate all project activities at the state level. APGCL is the executive agency (EA) of the project. It has already established a Project Management Unit (PMU). The implementing Agency (IA) of the project is also APGCL. APGCL and the NGO contracted for safeguard implementation are responsible for the application of environmental and social safeguards to the project including proper implementation of various components of the CRTDP.

1.7 APPOINTMENT OF ADMINISTRATOR AT STATE LEVEL

31. State Government of Assam has already notified an officer not below the rank of Joint Collector or Additional Collector or Deputy Collector or equivalent official of Revenue Department, who will be responsible for the implementation of CRTDP (R&R Plan) at the State Level. This has already been established and a copy of the government order to this is attached in Annexure 1.

32. Administrator shall, to function efficiently and to meet the timeframe of CRTDP, be provided with such powers, duties and responsibilities as may be prescribed by the appropriate Government. Administrator will also be provided with office infrastructure and be assisted by officers and employees appointed by the appropriate Government.

33. Subject to the superintendence, directions and control of the Appropriate Government and the Commissioner for Rehabilitation and Resettlement, the formulation, execution and monitoring of the Rehabilitation and Resettlement Scheme shall vest with the Administrator.

1.8 COMMISSIONER FOR REHABILITATION AND RESETTLEMENT

34. The state government shall appoint an officer of the rank of commissioner or secretary of that government for resettlement and rehabilitation of affected



households under the Act of 2013. They will be called the commissioner for rehabilitation and resettlement. The Commissioner shall be responsible for supervising the formulation of rehabilitation and resettlement schemes or plans and proper implementation of each scheme or plans. The Commissioner shall be responsible for the post implementation social audit in consultation with the Gram Sabha in rural areas and municipality in the urban areas.

1.9 THE PROJECT MANAGEMENT UNIT

35. APGCL and its PMU will work closely with the administrator and commissioner and get the necessary directions from them. PMU will send all documentation to the administrator and commissioner for approval and guidance. PMU will be responsible for day-to-day implementation and monitoring of the project including CRTDP. It covers all aspects of the project construction including compliance with safeguard requirements. APGCL has appointed a full-time project director to head the PMU. Administrative staff, project engineers, financial officers, the social and environmental safeguard cell, and the communication unit will assist the Director.

1.10 SOCIAL AND ENVIRONMENTAL SAFEGUARDS CELL AT PMU

36. The Project Director cum Chief General Manager, Project Planning & Implementation (CGM, PP&I), APGCL, is leading and responsible for overall implementation of social and environmental safeguards. PMU already has a dedicated social and environmental safeguards cell (SESC) with a qualified full-time environment specialist and a qualified full time social safeguard specialist. The SESC will keep close contacts with head of PMU of APGCL regarding safeguard application and its progress. SESC oversees coordination, preparation, implementation, and monitoring of the approved CRTDP.

37. It will assist PMCs to develop an environmental and social management system, and APGCL in updating and implementing CRTDP. The SESC will work with PMCs for overall management of social and environmental safeguards application. SESC facilitates land acquisition and compensation, relocation and resettlement, distribution of assistance to the AFs and supervision of income restoration and rehabilitation programs of the project. It will also be responsible for monitoring the implementation of all resettlement and rehabilitation activities, including land acquisition and compensation. APGCL has already established the PMU with designated staff on social and environment safeguards on a full-time basis, details are mentioned in the table below:

Table 1.3: Details of Environmental and Social Experts in PMU

| Name | Position |
|-------------------------------|---|
| Dr. Deepak Kr. Baruah | Environmental Expert |
| Mr. Krishana Bikash Karmarkar | AGM (Electrical), Designated (Social officer) |

38. The responsibilities of SESC include:

- ✓ Responsible for all land acquisition activities and keeping records of land acquired, compensation paid, and when land was physically taken over for

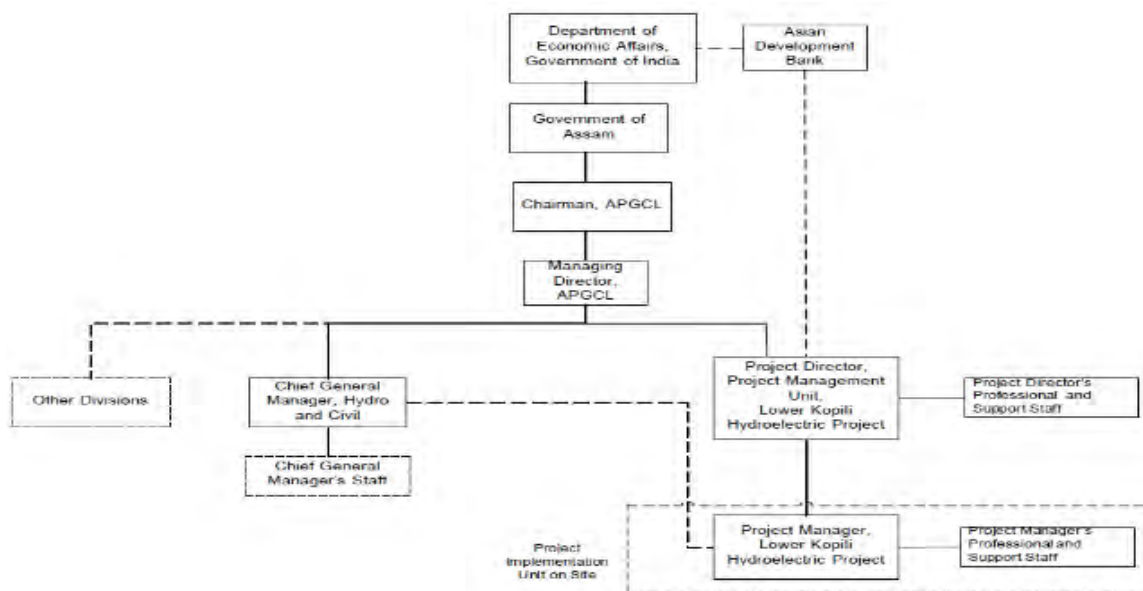


the Project.

- ✓ Liaison with the State and District levels departments and agencies to facilitate the AFs' access to services and income generating programs that are already in place.
- ✓ Coordinate the delivery of cash compensation and resettlement assistance to all entitled persons.
- ✓ Provide social development perspectives and inputs to on-going project design and implementation by working closely with project planners, contractors, and construction supervision consultants.
- ✓ Link the project with State government agencies, PWD field units and the impacted communities.
- ✓ Coordinate with the two ADCs regarding social development and resettlement operations; and support the NGO contracted and local community organisations such as PAPA who representing the AFs; and engage skill training services, oversee the grievance redress mechanism, monitor CRTDP implementation, and cooperate with planned project evaluations.
- ✓ If a panel of experts (POE) is appointed during project implementation, facilitate its monitoring and evaluation programs.

39. The proposed organisation structures as provided in PAM are presented in figure below.

Figure 5: Project Organization Structure



Source: PAM and as per the MOM of the interface meeting dated 24th January 2022.

1.11 PROJECT MANAGEMENT CONSULTANTS

40. APGCL has recruited the project management consultants (PMCs) to



implement the project. In relation to safeguard compliance, the following actions are being carried out by PMC's social and Environmental Safeguard Experts who are based at project site i.e., Longku.

Table 1.4: Details of Environmental and Social Experts in PMC

| Name | Position |
|-------------------|--------------------------------|
| Dr. Jayanta Das | Environmental Expert |
| Mr. Sangram Singh | Social and Resettlement Expert |

41. PMC prepares monthly progress reports on progress of CRTDP implementation and will ensure compliance in consultation with the Social and Environmental Safeguard Cell (SESC) on social, resettlement, and environmental aspects of the project including the progress in redressing AFs' grievances and complaints. PMC social and resettlement safeguards specialists is assisting in preparation of the semi-annual monitoring report and will submit to PMU and PMU will submit it to ADB.

1.12 IMPLEMENTATION SUPPORT -NGO

42. APGCL has hired an NGO, M/s Consultants for Rural Area Development Linked Economy, (CRADLE), in joint venture with Gramya Unnayan Santha to support updating of CRTDP, and to implement it. The signing of contract and the commencement was on 13th November 2019 and 28th November 2019 respectively. The following table presents the proposed for implementation of CRTDP.

Table 1.5: Details of Key Experts and Support Staff in NGO team

| Name | Position | Remarks |
|-------------------------|---|---|
| Key Professional | | |
| Mr. Ashok Kumar Sah | Team Leader | Team Leader is not on board since Jan'2022 and providing intermittent input to the project. |
| Mr. L.P. Singh | Social Development Expert Cum R&R Specialist | Providing his input from Lanka and field office. |
| Mr. Mukut Deka | Training cum Livelihood Specialist | The concerned expert inputs are handling the important aspect. Draft Livelihood plan has been submitted to APGCL. |
| Non-Key Expert | | |
| Mr Rupak Debnath | Field staff cum Community Worker | These 2 field staff are available as per the requirement of the project. |
| Mr Pribon | | |

43. The NGO is providing day-to-day implementation support to APGCL in addressing safeguard issues at the field level. The role of the NGO focuses on three activities (i) collection of additional baselines information from surveys, if required after the detailed design and final layout of the project is completed; (ii) assist PMU to implement CRTDP as per its entitlement matrix, distribution of identification cards to the AFs, disbursement of entitlements including compensation, and allowances to eligible AFs as per CRTDP; and (iii) raising awareness among the AFs, and dissemination of project information relating to land acquisition, compensation and resettlement planning and AFs' entitlements.



44. The NGO is also facilitating the AFs to submit the grievance applications (if any) to be resolved within the framework of Project's GRM. The Social Safeguards Expert of SESC is monitoring from PMU whereas Social and Resettlement Expert, PMC is supervising day-to-day activities of the NGO at project site. The NGO is working as a link between the AFs and APGCL. NGO as per terms of the ToR, are educating AFs on income restoration avenues and improvement measures including ensuring that the AFs use cash compensation in productive investments. Broad objectives of the NGO are:

- Identification, verification and updating of AP Census based on the final list and final design for updating the CRTDP.
- Develop micro plans in consultation with the AFs and PMU staff.
- Educate the AFs on their entitlements, and obligations.
- Prepare and distribute Project Identity Cards. All eligible project affected families will be given Identity Cards.
- Ensure that the AFs receive their entitlements. The NGO will provide advice to AFs on benefits of various income restoration options and assist them in getting benefits from various government development programs.
- The NGO will help the affected households to derive maximum benefits from the project without losing their livelihoods and with least impacts on sociocultural aspects of their lives.
- Assist the AFs to use the GRM.
- The present scenario of the deployment and other status provided in table below:

Table 1.6: Status of NGOs inputs

| Sl. No. | Activity/agreed terms in CRTDP | Present Status | Remarks |
|---------|--|---|--|
| 1 | The NGO staff is supposed to be stationed at the project site and regularly update the baseline information through group meetings and village-level meetings. Such meetings will be the arena to consult the AFs and to inform about the project's progress and the delivery of their entitlements. | In the monitoring period there were some challenges faced due to the pandemic restrictions imposed by GoA. Key staff mobilisation was difficult because of Covid-19 restrictions. | NGO advised to establish office at Longku for assigned activities and easy access by AFs and APGCL/PMC. |
| 2 | The frequency of meetings will depend on the requirements of the progress of implementation of CRTDP; however, at least once a month, the affected households will be met by the NGO and rendered relevant support as well update them on projects progress. | Meetings are being carried out by NGO, but these are not on regular basis. | NGO is advised to conduct the regular meetings with AFs and particularly with Women. Livelihood restoration program requires more close interaction with the targeted group. |
| 3 | NGO will arrange meetings with all stake holders including revenue department, APGCL to effectively | Meetings with key stakeholders are not conducted by NGO. | NGO to apprise other stakeholders on key issues and feedback documented |



| | | | |
|--|--|--|--|
| | update IA on the project's progress and discuss key issues needing urgent attention. | | for effective implementation of the CRTDP program. |
|--|--|--|--|

1.13 CO-ORDINATION COMMITTEE AT PMU LEVEL

45. In a review meeting chaired by Hon'ble Chairman, APGCL has directed for constitution of a Co-ordination Committee. The same has been constituted vide No: APGCL/LKHEP/PD/2017-18/21/Part-1/Part file-1/126, dated: 11.11.2022 for Lower Kopili Hydro Electric Project to facilitate consultation between Affected Peoples (APs), APGCL, District Council and NGO for discussion of APs problem regarding Land Acquisition, Rehabilitation & Resettlement and other aspects relating to Livelihood restoration and hence smooth implementation of CRTDP. The CRTDP implementation NGO will facilitate consultation between the APs, APGCL and District Councils at the field offices and with the APs as and when required to discuss the implementation of CRTDP. The office order has been provided as Annexure-2.

1.14 FACILITATION COMMITTEE AT GM LANKA LEVEL

46. In addition to the above coordination committee, to support this committee and for smooth implementation of local area development plan, gender action plan, livelihood plan etc, a Facilitation Committee. The same has also been constituted dated: 25.11.2022 for Lower Kopili Hydro Electric Project to facilitate CRTDP implementation. The office order has been provided as Annexure-3.

1.15 EXTERNAL MONITORING CONSULTANT

47. Apart from this, External Monitoring Consultant (M/s Feedback Infra Private Limited, AQUALOGUS – Engenharia e Ambiente, Lda. & Jade Consult Pvt. Ltd. and JFPR implementation agency M/s RMSI are also onboard and has started the monitoring and support to the APGCL.

1.16 JFPR CONSULTANT

48. Resources and Community Resilience (under JFPR) LOA, Contract award was awarded on 28.10.2022. The Inception report has been submitted on 28th December 2022. JFPR implementation agency M/s RMSI is also onboard and has started the monitoring and support to the APGCL.



CHAPTER 2. PROJECT STATUS

49. The SESC is closely working with the Revenue department of both the ADCs and having regular interaction with AFs for the completion of disbursement of land compensation in Karbi Anglong ADC, in Dima Hasao payment of land and structure compensation has been completed. The following section was extracted from the PMC's monthly monitoring report supported by contractor's monthly reporting on work progress.

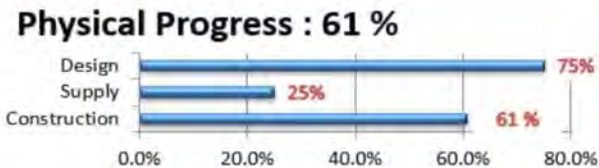
2.1 STATUS OF PROJECT IMPLEMENTATION

50. According to PMC's MPR the following is the project implementation status as on 31st December 2023. For more details, technical monthly report of December 2023 can be referred.



Table 2.1: Progress of Work till 31st Dec'23

| Project Facts | |
|---|---|
| Project Code | 47101 (APSIP – TRANCHE 3) |
| Regular Loan by ADB | US\$ 231Mn |
| Grant by ADB (JFPR) | US\$ 02 Mn |
| GOA Counterpart Fund | US\$ 64 Mn |
| TOTAL | US\$ 297 Mn 2127 Cr INR (1 USD = 71.6 INR) |
| Base Start Dt for PMC. | 1 st Jul 2020 |
| Base End Dt | 30 th Jun 2024 |
| Expected Completion Date (Best Effort Target) | 31 st Dec 2024 (Dry Commissioning) |
| Executing Agency | APGCL |
| Generating Unit | 2 x 55 MW, 2 X2.5MW, 1 X5 MW |
| Total No. of Package | 4 Major, 3 Minor |



*** Financial Progress : 48.22 %**



† Financial Progress is excluding Mob Advances paid. 156.6 Cr to Pkg-1,2,3,4,5.

| Details of Packages | Package Value (INR Cr) | Start Date-End Date | Phy % | Fin % | Remarks |
|---------------------------------|------------------------|--|---------|---------|---|
| Pkg-1 (Bldg & Infra) | 29.55 | 1st Nov-22 30 th Apr-24 | 34.03% | 20.7% | BVG India Ltd. |
| Pkg-2 (Roads, Civil & HMI) | 1163 | 1 st Sep-20 31 st Aug-24 | 58.35% | 45.8 % | L&T Ltd. Excluding under process bills 3.6 % |
| Pkg-3 (EM Works) | 306 | 12 th Nov-21 13-Mar-25 | 55 % | 16.8 % | AHPL. Under process 1 % |
| Pkg-4 Transmission Line | 60.71 | 1 st Jun-22 12 th Dec-23 | 69 % | 65.3 % | LOA issued to Salasar Techno Engg Ltd. JV with Akelik Group OJCS - 20 th Apr'22 Contract Signed – 27 th May 2022. |
| Pkg-5 PMC – Services | 58 | 1 st Jul-20 30 th Jun-24 | 89.1 % | 87.7 % | AF Consultant. |
| Pkg-6 ERP -Packages | 42.2 | 31 st Jul-19 30 th Jun-24 | 72 % | 70 % | Lot-4, NoA issued on 27 th Dec'22. |
| Pkg-7 External Monitoring →RMSI | 13 | 24 th Dec-21 23 rd Dec-27 | 69.6 % | 69.6 % | Feedback JV Jade Consult. & AEA (4 Yrs Con + 2 Yrs Operation) |
| R&R, Forest, Contingency& Misc. | 454 | | 67.64 % | 67.64 % | 306.8 Cr expenditure done. |

Long Term Challenges:

1. Dry Commissioning of project by December 2024.
2. ADB Funding timeline will be ending by 30th June' 2024.

Short Term Challenges:

- Pkg-2 to Expedite Dam Concrete works, Power Intake works, Penstock Steel Liner erection, Surge Shaft concrete, HRT Lining, Aux. PH excavation,
- Pkg-3 to expedite EOT crane erection at Powerhouse Service Bay. Spiral case and stay ring fixing and front handover to Civil contractor by 10th Jan'24.

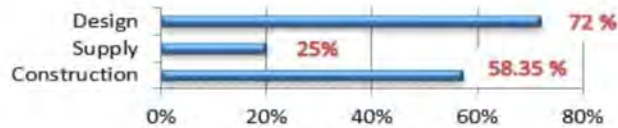
Report date: 31-12-2023, Office of the MD APGCL.



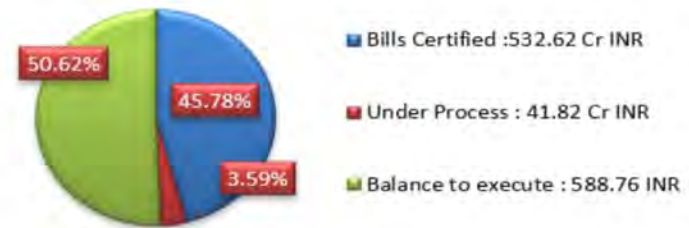
| Project Facts | |
|--------------------------------|--|
| Project Code | LKHEP – Pkg-2 |
| Contract Price/ Package Value | 1163 Cr INR + Price Escalation |
| TOTAL | 1163 Cr INR |
| Base Start Dt As per Contract. | 1 st Sep 2020 |
| Base End Dt | 31 st Aug 2024 |
| Expected Completion Date | 31 st Dec 2024 |
| Current Estimated Project Cost | 1163 Cr INR + Price Escalation |
| Executing Agency | APGCL through M/s. L&T Ltd. |
| Generating Unit | 2 x 55 MW, 2 X2.5MW, 1 X5 MW |
| Total No. of Package | Roads, Civil and Hydro Mechanical Works. |

| Details of Packages | Package Value (INR Cr) | Start Date- End Date | Phy % | Fin % | Remarks |
|---|------------------------|--|----------------|---------------|------------------------------|
| A-Project Roads and Civil works | 1009.8 | 1 st Sep-20 31 st Aug-24 | 58.35 % | 45.8 % | Paid Up to IPA 160 & PAB 129 |
| B-Hydro Mechanical works | 149.6 | 15 th Jan-21 31 st Aug-24 | 23% | 16% | |
| C- Purchase & Supply of Vehicles, Running, Maintenance etc. | 3.6 | 1 st Sep-20 31 st Aug-24 | 80% | 77% | |
| TOTAL – Package-2 | 1163 | 1 st Sep-20 31 st Aug-24 | 58.35 % | 45.8 % | |

Physical Progress : 58.35 %



Financial Progress : 45.8 %



Immediate Challenges:

1. Drawings 856 nos. approved and balance 344 nos. to be submitted.
2. Dam concrete monthly 28,500 Cum to be achieved as against current level of 24,500 Cum/month. HRT Overt lining monthly 300 Rm to be achieved. Penstock Liner 45 Rm erection/month to be done.
3. Intake structure conc., Aux Powerhouse excavation resumed, works to be expedited. Main PH concrete works to be expedited.

Long term Challenge:

1. Completion of Project substantially within Loan Grant period (30th Jun'24) and Dry commissioning by Dec'24.
2. Bridge over NH 627 to be constructed by PWD RD before reservoir filling by Dec'24. Survey completed, further action to be taken.

Report Date: 31-12-2023
Office of the MD, APGCL.



2.2 STATUS OF PROJECT RESETTLEMENT ACTIVITIES

51. Project resettlement activities are being implemented as per agreed timeline, however due to various field constraints some challenges are being faced like non-availability of AFs during survey and consultation, busy schedule of revenue filed staff of ADCs etc following table presents the status of project resettlement activities.



Table 2.2: Project Resettlement Activities

| Activities | Responsible Agencies | Status | Remarks |
|---|--|--|--|
| Project Initiation Stage | | | |
| Establish SESC | APGCL | Completed | SESC cell has been established at PMU. |
| Hire Environment and Social safeguards professionals of SESC | APGCL | Completed | Environmental and Social Safeguard Experts have been positioned. |
| Hire an NGO to implement CRTDP | APGCL | Completed | M/s. Consultants for Rural Area Development Linked Economy, (CRADLE), JV with Gramya Unnayan Santha has been engaged. |
| Hire Project Management Consultants | APGCL | Completed | AF Consult Switzerland in association with United Engineers Alliance India |
| Appoint a Grievance Redress Committee | APGCL/ADCs/ PAPA | Completed | Annexure-4 Office order regarding constitution of the GRC & Annexure-5 of its Amendment |
| Finalize the CRTDP with final budget and timeline | PMU/SESC/NGO | Completed | The budget was finalised and the implementation of CRTDP is in progress. There is some delay according to the agreed timeline. |
| Disclosure of CRTDP after further consultations with the AFs and ADCs | APGCL/PMU/SESC/NGO | Completed | Ongoing process... |
| CRTDP Update | | | |
| Validate Census and survey findings | PMU/SESC/NGO | Completed | Final data of affected families yet to be done. NGO is given the task to complete the data part and submit the final figure. Expected date is June 2023. |
| Conduct socioeconomic surveys for all the affected households/persons based on the final list and final design in order to update the CRTDP | NGO/PMC/SESC/PMU | Completed for both the districts. | Microplan preparation of remaining AFs which have been surveyed are in progress. |
| Conduct FGDs/consultations and group meetings | SESC/NGO/field level engineers/Contractors | During the socio-economic survey and implementation of CRTDP, NGO has conducted. | So far total 115 consultations have been conducted. Total female participants were 1006 |



| Activities | Responsible Agencies | Status | Remarks |
|---|-----------------------------------|---|---|
| | | During the monitoring period, consultations have been conducted and detailed provided in Chapter 5. | along with 1613 male comprising 2619 participants. Summary of all the consultations is provided as Annexure-6. |
| Disclosure of final entitlements to all AFs | PMU/SESC/NGO | Completed | |
| CRTDP Implementation Stage | | | |
| Payment of compensation | PMU/SESC/ District Councils/ NGO | Completed | Compensation of Land and assets have been completed for 954 APs in the Dima Hasao Districts by APGCL. Similarly, 206 affected persons have been paid for land and Zirat in Karbi Anglong district. |
| Give publicity to compensation payment | PMU/SESC/ District Councils/ NGO | Completed | |
| Consultations with the AFs during rehabilitation activities | PMU/SESC / District Councils/ NGO | So far total 115 consultations have been conducted. Total female participants were 1006 along with 1613 male comprising 2619 participants. Summary of all the consultations is provided as Annexure-6. | |
| Implementation of income restoration programs | PMU/SESC/ District Councils/ NGO | Socio-economic survey has been captured details of families who have members in the employability age and this data would be further refined through need-based assessment and through one-to-one interaction with the candidates concerned. | NGO has conducted Training Need Assessment Survey (TNA) and has submitted the draft proposal for livelihood trainings as per the TNA. However, APGCL management has decided to go with open tender to engage the facilitating agency. |
| Relocation and rehabilitation programs | PMU/SESC/ District Councils/ NGO | Site for relocation of displaced AFs have been identified, layout plan has been finalised and a model house has been constructed and all displaced APs were consulted for their views and acceptance. However, process of finalising the number of displaced persons is in progress. | Total 122 properties were reported have been paid. After getting the confirmation from the community and affected structure owners, it has been confirmed that each affected family will self-manage the relocation if needed. |
| Implementation of grievances | PMU/SESC/ District | Till date 402 grievances from the APs have | The details are provided in chapter 4. pending |

Semi-annual Social Monitoring Report

ASSAM POWER GENERATION CORPORATION LIMITED (APGCL)



| Activities | Responsible Agencies | Status | Remarks |
|---|----------------------------------|---|---|
| redress mechanism | Councils/ NGO | been recorded. | 4 grievances have been resolved by the DHAC. |
| Internal monitoring of social safeguard application | PMU/SESC/ District Councils/ NGO | Internal monitoring is being done in supervision of SESC by PMC Social and Resettlement Expert. | Bi-annual report submitted as per schedule. |
| External monitoring of social safeguards and Evaluation | PMU/EMC | External Monitoring consultant is onboard. | Reports are being submitted. |
| Resources and Community Resilience (under JFPR). | JFPR | Resources and Community Resilience (under JFPR) LOA, Contract award was awarded on 28.10.2022. | JFPR implementation agency M/s RMSI is also onboard and has started the monitoring and support to the APGCL |

CHAPTER 3. PERFORMANCE MONITORING

52. Both the APGCL and ADB have their own separate monitoring responsibilities. The extent of monitoring activities, including their scope and periodicity, will be commensurate with the project's risks and impacts. APGCL is required to implement safeguard measures and relevant safeguard plans, as provided in the legal agreements i.e., CRTDP, and to submit agreed periodic monitoring reports on their implementation performance.

53. The Lower Kopili HEP is classified as Environment Category A, Involuntary Resettlement (IR) Category A, and Indigenous Peoples (IP) Category A ("triple A") in accordance with ADB's Safeguard Policy Statement (SPS 2009). Additionally, based on the results of the climate change risk assessment, the subproject is High Risk for Multi-Hazard Index and Climate. To fulfil national regulatory requirements and ADB's SPS 2009, APGCL prepared an Environmental Impact Assessment (EIA) with environmental no-objection obtained from the Ministry of Environment, Forest, and Climate Change of Government of India. In addition, APGCL developed a Resettlement and Indigenous Peoples Plan (RIPP) comprised of a Combined Resettlement and Tribal Development Plan (CRTDP) for hydropower component, and a Combined Resettlement and Indigenous Peoples Plan (CRIPP) for transmission line component.

54. The project management unit (PMU) in APGCL is responsible for overall project planning and implementation, including procurement, accounting, quality assurance, social and environmental issues, and coordination with concerned agencies. APGCL has already established its social and environment safeguards cell (SESC) in its PMU comprising 2 full time staff and is being supported by the project management consultant (PMC) with dedicated environment and social safeguards specialists. APGCL has also engage qualified and experienced external experts in a timely manner for environment and social monitoring that will not be involved in day-to-day implementation and supervision of the Project.

55. The duties of APGCL PMU include:

- (i) Conduct overall coordination, preparation, planning, and implementation of all field level activities.
- (ii) Update the EMP (see below) for review and clearance by ADB prior to any contract award.
- (iii) Implement EMPs following ADB's Safeguards Policy Statement 2009, IFCs Environment, Health and Safety general guidelines and national regulations etc. at the project site.
- (iv) Undertake and supervise compensation to the affected families based on the entitlement matrix in the CRTDP.
- (v) Oversight construction contractor(s) on monitoring and implementing mitigation measures during design, construction, and operation phases of the project before contracts completed.



- (vi) Advise and coordinate to update environmental baseline surveys, finalize social survey and detailed design and update the safeguard documents (EIA/EMP and CRTDP) for review and clearance by ADB following detailed design and survey results.
- (vii) Engage in grievance redress and ensure the prompt resolution of complaints.
- (viii) Set up appropriate record keeping system.
- (ix) Disclose relevant information to the affected people and continue consultations.
- (x) Provide training and awareness on environmental and social issues to the project staff and EPC contractor(s).
- (xi) Preparation of semi-annual and annual environmental monitoring reports and semi-annual social monitoring reports; and
- (xii) Liaise with the concerned ministries, authorities, and government departments for the environmental and resettlement related issues of the project implementation.

56. ADB reviews project performance against APGCLs' commitments as agreed in the CRTDP. The extent of ADB's monitoring and supervision activities will be commensurate with the project's risks and impacts. Monitoring and supervising of social and environmental safeguards are integrated into the project performance management system. ADB will monitor projects on an ongoing basis until a project completion report is issued.

3.1 COMPLIANCE WITH LEGAL AND POLICY REQUIREMENTS

57. The resettlement principles adopted for this project recognize CRTDP based on the government acts and provision in consistent to Asian Development Bank's (ADB) policies and operations manuals, particularly the Safeguard Policy Statement (2009). Approved Entitlement Matrix is provided as Annexure-7 in the CRTDP report.

58. The land acquisition and compensation procedures of Dima Hasao and Karbi Anglong ADCs provide a comprehensive legal framework to prepare and implement resettlement plans and tribal development plans. The Project follows the CRTDP land acquisition as well as livelihood restoration and rehabilitation. In terms of land value estimation, no land transaction or revenue records are available apart from the data on leased land parcels to tribal person. Without any fair market rate available, it was estimated as per the rate provided and provided by the Autonomous District Council, and the rate was approved by the Public Works Department (PWD) of Assam for civil structures and buildings. They match most of the involuntary resettlement and indigenous people safeguard policy requirements of ADB.

3.2 COMPLIANCE WITH SOCIAL SAFEGUARD COVENANTS

59. Detailed assessment has been done in due consultation with concerned stakeholders and the CRTDP and CRIPP have been prepared for the subproject with



an objective to record social, economic, and cultural aspects of the project area and its affected communities, and to present a comprehensive mitigation plan to address adverse social impacts of the project on them. A key part of the CRTDP is the strategy that enables the project-affected families (AFs) to benefit from the project, and to restore and improve their livelihoods and sources and income.

60. It outlines the institutional arrangements for delivering entitlements and project benefits to the AFs and other stakeholders, a mechanism for resolving grievances and complaints, and a monitoring framework to follow and report the progress of the implementation of CRTDP. The CRTDP and CRIPP have been prepared in compliance with the state and national laws and regulation and ADB SPS, 2009. Considering affected families (AFs) are scheduled tribes, a series of consultations were undertaken for broad community support (BCS), and agreements were made between APGCL and two district councils indicating the BCS. APGCL has adequate budget allocation provision for land acquisition, resettlement, and rehabilitation of affected families. APGCL has already established its social and environment safeguards cell in its PMU and is being supported by the project management consultant having dedicated safeguards specialists, in addition, an implementing NGO has been contracted to support the implementation of CRTDP and CRIPP. CRTDP will be updated by APGCL and the NGO prior to implementation and CRIPP will be revised after completion of final line alignment. Compensation will be provided prior to any physical and economic displacement. In the event of any unanticipated social impacts during project implementation, APGCL will take corrective actions, and update the CRTDP and CRIPP and the same will be disclosed on the ADB website. APGCL will submit semi-annual monitoring reports and external expert will monitor APGCL's implementation. The monitoring reports will be posted to ADB website and disclosed locally by APGCL.

3.3 GENDER

61. Tranche 3 is classified as Effective Gender mainstreaming (EGM). The project design integrates relevant gender focused interventions. A gender action plan (GAP) with well-defined activities, indicators, targets, and timelines has been prepared to ensure that gender mainstreaming initiatives are effectively implemented. The GAP initiatives will provide opportunities for enhanced participation of women in project related staff trainings. Gender capacity building of PMU staff and contractors will help create capacities and opportunities for improved gender responsive planning and project implementation. Orientation workshop with special focus on enhancing female workforce participation, skilling, equality in wages, health, safety, hygiene and on the need to maintain sex disaggregated record of workforce will be planned for the contractors and labourers. The GAP activities will ensure women's participation in all projects related community awareness campaigns and consultations.

62. Women's participation and direct benefits will be secured across all community driven activities for community disaster resilience action plans. Disaster warning systems and mitigation strategies will integrate an inclusive approach to planning and execution. Local area development planning activities will promote gender



responsive infrastructure in education and health facilities and services. Gender focused awareness campaigns in nutrition, health and menstrual hygiene will be planned and targeted towards girl students. Special measures will be taken to enhance women's participation in resettlement, rehabilitation, and income restoration initiatives. Monitoring and evaluation mechanisms will track beneficiary data across all interventions in a sex disaggregated manner. Impact evaluations and social audit methodology will include gender and social parameters to be able to assess impacts from a gendered perspective. A gender monitoring consultant with support from CRTDP team and JFPR experts will be responsible to collate data on GAP progress and report to the PMU. The PMU will provide support in reviewing and submitting quarterly progress reports on implementation of GAP.

63. The administrative monitoring mechanisms will be inclusive of socio-economic performance and sex, caste- and ethnicity disaggregated data. The record will be maintained by PMU. Adequate resources are provided for implementation and appropriate provisions made for monitoring and reporting.

64. Based on the final loan agreement the loan covenants relating to social safeguards are listed and the process and status for compliance is presented in the table below:

Table 3.1: Status on Social Safeguard Covenants

| Para No | Description | Compliance Status | Remark |
|--|---|--|--|
| Article IV Section 4.02 | The borrower shall enable ADB's representatives to inspect the project, the Goods, Works and Services, and any relevant records and documents | Being Complied | |
| Schedule 5 Implementation Arrangements | Social and Environmental Safeguards Cell has been established and Social and Environmental Experts are positioned | Complied | |
| Schedule 5 Land Acquisition and Involuntary Resettlement Para 6 | (a) All applicable laws and regulations of the Borrower and the State relating to land acquisition and IR. (b) The IR safeguards; and (c) Measures and requirements set forth in the RIPP/CRTDP, and any corrective or preventive action set forth in the safeguards monitoring report. | Being Complied Being Complied Being Complied | |
| Schedule 5 Land Acquisition and Involuntary Resettlement Para 7 | Without limitation the applications of the IR safeguards or the RIPP, the Borrower shall ensure, or cause the EA to ensure, that no physical or economic displacement takes place in connection with the project until: (a) Compensation and other entitlements have been provided to affected families in accordance with the RIPP; and (b) A comprehensive income and livelihood restoration program has been established in accordance with the CRTDP. | Being Complied Is in progress. | The land and assets compensation has been paid in 2018. |
| Schedule 5 Land Acquisition and Involuntary Resettlement Para 8 | The Borrower shall ensure, or cause the EA to ensure, that the preparation, design, construction, implementation and operation of the project and all project facilities comply with (a) All applicable laws and regulations of the borrower and the State relating to indigenous peoples. (b) The indigenous people's safeguard; and (c) All measures and requirements set forth in the RIPP, and any corrective or preventive action set forth in a safeguard monitoring report. | Being Complied Being Complied Being Complied | Instead RIPP, the Combined Resettlement and Tribal Development Plan has been prepared and being implemented through the NGO engaged. |
| Schedule 5 Safeguards Monitoring and Reporting | The Borrower shall ensure, or cause the EA to ensure, that the following: (a) Submit semi-annual Safeguards Monitoring Reports to | Being Complied | |



| Para No | Description | Compliance Status | Remark |
|--|---|---|--|
| Para 11 | <p>ADB and disclose relevant information from such reports to affected families promptly upon submission.</p> <p>(b) If any unanticipated environmental and/or social risks and impacts arise during construction, implementation or operation of the project that were not considered in the EIA, EMP, RIPP, RF or the IPPF, as applicable, promptly inform ADB of the occurrence of such risks or impacts, with detailed description of the event and proposed corrective action plan; and</p> <p>(c) Report any breach of compliance with the measures and requirements set forth in the EMP, or CRTDP promptly after becoming aware of the breach.</p> | <p>Being Complied</p> <p>Being Complied</p> | |
| Schedule 5 Labour Standards, Health, and Safety Para 13 | <p>The Borrowers shall ensue or cause the EA to ensure that Works contracts under the Project follow all applicable labour laws of the Borrower and the State and that these further include provisions to the effect that contractors.</p> <p>(a) Carry out HIV/AIDS awareness programs for labour and disseminate information at worksites on risk of sexually transmitted diseases and HIVE/AIDS as part of health and safety measures for those employed during construction.</p> <p>(b) Follow and implement all statutory provisions on labour (including not employing or using children as labour, equal pay for equal work), health, safety, welfare, sanitation, and working conditions. Such contracts shall also include clauses for termination in case of any breach of the stated provisions by the contractors;</p> | <p>Being Complied</p> <p>Being Complied</p> | |
| Schedule 5 Gender Para 14 | <p>The Borrowers shall ensue or cause the EA to ensure that.</p> <p>(i) The GAP and consultation and participation plan for the Project as included in the PAM is implemented in accordance with its terms.</p> <p>(ii) The bidding documents and contracts include relevant provision for contractors to comply with the measures set</p> | <p>Being Complied</p> <p>Complied</p> | <p>Timeline has been prepared and NGO will undertake necessary consultation and trainings.</p> |



| Para No | Description | Compliance Status | Remark |
|---|---|---|--------------------------------|
| | <p>forth in the GAP; and</p> <p>(iii) Adequate resources are allocated for implementation of the GAP, and</p> <p>(iv) Progress on implementation of the GAP, including progress toward achieving key gender and output targets, are regularly monitored, and reported to ADB.</p> | <p>Being Complied</p> <p>Being Complied</p> | |
| Schedule 5 Communications and participation Para 15 | The Borrowers shall ensure or cause the EA to ensure that the project is undertaken in conformity with the community awareness and participation plan as agreed between ADB, the Borrower, the State and the EA as referred in the PAM | Being Complied | |
| JFPR Grant Para 26 | The Borrowers shall ensure or cause the EA to ensure that the Grant provided under the JFPR Grant and related output to be developed from such assistance in completed on a timely basis in consultation with the ADB | Being Complied | Study etc have been completed. |



3.4 COMPLIANCE WITH CRTDP REQUIREMENTS

65. The LKHEP lies in the Dima Hasao (Right Bank of Kopili) and the Karbi Anglong Autonomous Districts Councils (Left Bank of Kopili) of the Assam State in India. The lands that fall within the jurisdiction of the two districts are 'scheduled'¹ or listed tribal land and those who belong to the listed tribes are 'scheduled tribes'. The following table presents, the detail of Project affects villages under the jurisdiction of both autonomous districts' councils (Dima Hasao 15 villages and Karbi Anglong 2 villages).

Table 3.2: Summary of Project Impacts

| SL. No. | Village | Impacts | | | |
|---------|--------------------------------|------------------------------|------------|--------------|----------------|
| | | Land (Bigha) | Structures | Trees | Crops & Plants |
| 1 | Borolangklam | 1127.50 | 0 | 1570 | 116264 |
| 2 | Borolongku | 1328.60 | 15 | 1580 | 395033 |
| 3 | Chotolongku | 89.90 | 4 | 320 | 46206 |
| 4 | Chotolangpher | 190.30 | 2 | 744 | 223196 |
| 5 | Degremdisa | 500.70 | 0 | 4013 | 149808 |
| 6 | Dimalangku | 173.90 | 31 | 223 | 64422 |
| 7 | Disabra | 1043.60 | 20 | 7331 | 349639 |
| 8 | Krungmenglangso | 329.60 | 0 | 293 | 17802 |
| 9 | Longku-II | 192.00 | 20 | 206 | 175699 |
| 10 | Lorulangso | 135.20 | 2 | 555 | 22226 |
| 11 | Mungkele | 916.80 | 1 | 982 | 129167 |
| 12 | Rongkhelan | 6.20 | 1 | 7 | 400 |
| 13 | Sokpuru | 215.20 | 14 | 106 | 32955 |
| 14 | Tortelangso | 505.30 | 11 | 304 | 144915 |
| 15 | Waperdisa | 26.00 | 1 | 5895 | 15961 |
| | Sub-total Dima Hasao | 6780.8 | 122 | 24129 | 1883693 |
| 16 | Cherimthepe | 417.00 | - | - | - |
| 17 | Langsomepe | 651.00 | - | - | - |
| | Sub-total Karbi Anglong | 1068.00 | - | - | - |
| | G. Total | 7848.80 (1054 Ha) | 122 | 24129 | 1883693 |

Source: census and socio-economic survey conducted by the NGO and Zirat assessment sheets (JVS forms).

3.4.1 Scope and Type of Land for Project Components

66. The scope of land acquisition has remained same as planned earlier and following table present the type of land in both the district which have been acquired.

67. Total 109.75 crores have been paid to the forest department for forest land diversion and other requirements. Compensation for revenue land has also been fully paid in the Dima Hasao district and in Karbi Anglong compensation payment is in

¹The Schedule VI of the Constitution of India established several ADCs in the northeast India. An ADC is an administrative entity with a structure to safeguard tribal peoples' rights and interests and their traditional ways of living. It also provides a political framework, guaranteed by the Constitution of India, for tribal peoples to self-govern their affairs.



progress and the final status of disbursement will be updated in next SMR.

Table 3.3: Scope and Type of Land for Project Components

| Sl. No | Autonomous District | Forest Land (Ha) | Revenue Land (Ha) | Total |
|------------------|---------------------|------------------|-------------------|-------------|
| 1 | Dima Hasao | 478 | 909 | 1387 |
| 2 | Karbi Anglong | 45 | 145 | 190 |
| Sub total | | 523 | 1054 | 1577 |

Source: CRTDP report

3.4.2 Land Requirement for Various Project Components

68. 120 MW LKHEP project required 1577 hectares of land for all components in both the autonomous district i.e., Dima Hasao and the Karbi Anglong. Out of 1577 ha total land 523 ha is forest and 1054 ha is revenue land. The below table presents the planning and implementation stage land requirements.

Table 3.4: Land Area Required for the Project Components

| Sl. No | Name of village | In DPR stage (Ha) |
|------------------|--|-------------------|
| 1 | Project infrastructure (powerhouse, dam, and key installations) | 355 |
| 2 | Reservoir | 552 |
| 3 | Roads, buildings, and project facilities | 72 |
| 4 | Relocation site for 14 physically displaced HHs and the project township | 75 |
| 5 | Land for other purposes (recreational facilities, helipad etc) | 523 |
| Sub total | | 1577 |

Source: CRTDP, data likely to be updated once provided by technical team/contractor.

3.4.3 Loss of common/government properties

69. Apart from the private land and structures, CRTDP also assessed 7 government/structure. The compensation for the same has not been paid, due to the non-demarcation of submerging area. Summary of the government/community properties are provided in the table below. There was no such type of impact in Karbi Anglong district.

Table 3.5: Details of Village wise government/community properties in District Dima Hasao

| Sl. No. | Name of Govt./Community Property | Remarks |
|---------|--|--|
| 1 | Irrigation Office Building | Government |
| 2 | Secretary (Garampani LAMP Cooperative land) | Garampani LAMP Cooperative |
| 3 | Gram Sewak Quarter | Government |
| 4 | Rural Bank | Government |
| 5 | PHE Pump House | Government |
| 6 | Balendra warisa (S.M.E School) | President of S.M.E School is the caretaker |
| 7 | The Secretary of Karbi Community Hall of Longku Area | Bidya sing Engti Longku caretaker |

Source: CRTDP and census and socio-economic survey conducted by the NGO.

70. To ascertain the actual impact, a LiDAR survey has been conducted, based on the LiDAR survey report/data, status has been changed and described in the following section.



3.4.4 Present status of the affected CPRs



71. Based on the impact assessment carried out during the DPR, total 7 Community including government properties were identified as affected due to the 120 MWLKHEP. However, the joint field survey undertaken on 11th July 2023 comprising the following officers do hereby furnish the following observation based on the LiDAR survey about submerged area.

72. In the reservoir area of DAM, a LiDAR survey has been done to ascertain that there will no property available and if its, then the same may be amicably relocated/removed. The submergence level has been considered at 231 mt for buildings and other standing structures including the CPRs. During the survey, 2 abandoned buildings, which locals confirmed that this was established by the irrigation department have been identified, the present status is provided below:

- (i) Shri Elbertson Teron Lot Patowari, Dima Hasao autonomous Council, Umrangso Circle
- (ii) Shri Biju Diphusa, AM (Civil), APGCL
- (iii) Shri Pankaj Hazarika, Social Expert, APGCL
- (iv) Shri L.P. Singh, Social Expert, NGO CRADLE
- (v) Shri Sangram Singh, Social and Resettlement Expert, PMC AFRY

73. Accordingly, PMC, NGO and APGCL has reassessed the impact on all 7 CPRs. The summarized report is provided below:

Table 3.6: Affected Government properties in District Dima Hasao

| Name of Govt. Property | Status as per Present | Present situation of the property |
|---|--|---|
| PHE Pump House (LiDAR identification No.- 647) | Affected, falling under submerged area of reservoir | <ul style="list-style-type: none"> ➤ Abandoned (NOC Received provided as Annexure-9). ➤ Department has already left the building and villager have taken the material from the site. ➤ Ruined available with diesel pump, parts of pump have been taken away. ➤ Pipe and other fitting etc not available. |
|  |  | |
| Irrigation Office Building (LiDAR identification No.- 428, 429 & 430) | Affected falling under submerged area | <ul style="list-style-type: none"> ➤ Abandoned (NOC yet to be received). ➤ Initially it was ruined, no doors, and window |



| Name of Govt. Property | Status as per Present | Present situation of the property |
|--|-----------------------|---|
| | of reservoir | available and no use seen. ➤ Earlier, the labour and other staff of Lanka Umrangso Road construction company used it temporarily and fixed the window and doors. |
|  | | |
| <p style="text-align: center;">Photo captured from Lanka Umrangso road during the road construction (2022) (LiDAR identification No.-428, 429 & 430)</p> | | |

74. Apart from above, LiDAR survey identified, 2 other religious places with structures are noted that these will be falling under the submerging area of reservoir. These are being used for annual worship places by Karbi Ethnic Group/Community. These are (i) "Vothung Rongker" (annual worship place) a gate, shed for offering puja near the Longku Nala bridge, and (ii) "Longri Rongker" i.e., Tiger Puja near Longku Nala confluence with Kopili river.

3.4.5 Tasks to be done for Relocation

75. The implementation of the CRTDP entails the following tasks while dealing the common and government properties (CPRs):

| Task to be done | Progress so far | Remarks |
|--|---|---------|
| Detailed and meaningful consultation with the concerned department, custodian, community and concerned Gaon Bura along with PAPA office bearers. | Consultation with all the stakeholders, like Karbi community, Council, LKHEPPAPA office bearers and APGCL. | |
| Ensuring that the property has been evaluated and all the entitlements as per CRTDP applied. | Site has been physically verified jointly with PMC, NGO and APGCL. Lot Patowari has also visited the site during land handing | |



| | | |
|---|--|--|
| | over. | |
| Assisting in consulting and coordination with the concerned stakeholders and authorities. | Karbi Community leader have been approached and a meeting with the new location (tentative) has been done. Resolution made and letter to the Council for allotment of 2 Bigha land has been requested. | Request is pending with the Revenue Secretary, Dima Hasao. Accordingly, Village Head Man (Gaon Bura) of Tortelangso village has provided the land. Location has been jointly finalised by APGCL and NGO. |

3.4.6 Provisions available in approved Entitlement Matrix

76. Combined Resettlement and Tribal Development Plan (CRTDP) – RIPP Volume1 Entitlement Matrix, reference Page- 57.

| Category | Type of Impact | Entitlements | Responsible to Deliver | Remarks |
|--------------------------|--|--|---------------------------------|---|
| Public Facilities | Loss of public infrastructure facilities | <ol style="list-style-type: none"> 1. Piped water supply. 2. Sanitation and drainage 3. Health care centre 4. Higher secondary school 5. Playground | APGCL, relevant ADC departments | Consult the community on location, type, and cost of facility reconstruction APGCL will pay for the construction of the facilities |
| Common property | Loss of common land | <ol style="list-style-type: none"> 1. Community land for public purposes at the relocation site 2. Grazing rights on nearby land or an allowance to buy fodder in lieu of the lost grazing land. If not provided, 100 days of Minimum Assured Wages (MAW) per year for 05 years as a grant towards the loss of fuel and fodder | APGCL, relevant ADC departments | Consult the affected households and PAPA on the location, type, cost estimates of facilities |

Approved CRTDP–RIPP Volume1 Entitlement Matrix, Page- 57.

3.4.7 Impacts on Structures (Residential and others Type)

77. As per the initial assessment jointly done by APGCL and the revenue departments, during planning stage total 18 structures were identified as fully impacted and 6 partially in the Dima Hasao district. During Socio-economic and census survey NGO was able to establish contact with the owners of 14 fully affected house owners. Hence owners of 14 structures were identified for further relocation process.



78. After reviewing the Zirat data, it's found that total 122 permanent and temporary structures have been compensated. Out of 122, 28 structures found like residence purposes. Hence, these the present status of these affected/compensated structures needs to be re-verified and would be ensured that the 14 nos., which mentioned in the CRTDP are included in this list. The following table presents summary of the impact structures.

Table 3.7: Summary of structures verified by NGO

| Sl. No | Name of village | No of Land/ structure holders |
|------------------|-----------------|-------------------------------|
| 1 | Borolangklam | 0 |
| 2 | Borolangku | 15 |
| 3 | Chotolangku | 4 |
| 4 | Chotolangpher | 2 |
| 5 | Degremdisa | 0 |
| 6 | Dimalangku | 31 |
| 7 | Disabra | 20 |
| 8 | Krungmenglangso | 0 |
| 9 | Longku-II | 20 |
| 10 | Lorulangso | 2 |
| 11 | Mungkele | 1 |
| 12 | Rongkhelan | 1 |
| 13 | Sokpuru | 14 |
| 14 | Tortelangso | 11 |
| 15 | Waperdisa | 1 |
| Sub total | | 122 |

Source: Socio-economic survey conducted by the NGO based on the JVS assessment.

79. Apart from the identified list of CRTDP, some AFs has raised grievances regarding the non-inclusion of their structures/properties in identified list of fully impacted structures. Though boundary pillars have been fixed on some locations actual submergence area is yet to be demarcated on ground for determining actual physical impacts due to submergence and requiring relocation. every grievance has been resolved with support from the Dima Hasao Council and Lot Patowari has directed by the Addl. Revenue Secretary to furnish the ground report and close the four grievances pending at Council Level.

3.5 ACTUAL IMPACTS AND IMPACT ASSESSED IN CRTDP

80. All impacts due to the project have been summarised in the table below. It's also providing the planning and implementation stages variations, if any.

Table 3.8: Impacts comparison with CRTDP and during implementation

| SL. No. | Particulars | Unit | Quantity in | |
|---------|--------------------------------------|---------|-------------|----------------|
| | | | CRTDP | implementation |
| 1 | Affected Autonomous District Council | Number | 2 | 2 |
| 2 | Affected Villages | Number | 16 | 17 |
| 3 | Total Land Requirement | hectare | 1577 | 1577 |
| 4 | Total Revenue Land | hectare | 1054 | 1054 |
| 5 | Total Forest Land | hectare | 523 | 523 |



| SL. No. | Particulars | Unit | Quantity in | |
|---------|---|---------|----------------------|---------------------|
| | | | CRTDP | implementation |
| 6 | Total Crop Land | hectare | 1054 | 1054 |
| 7 | Total Trees | Number | 98546 | 24227 |
| 8 | Total Primary Structures (Physically Displaced) | Number | 18 | Yet to be finalize |
| 9 | Total Other Structures (Secondary/Cattle sheds) | Number | 18 | Yet to be finalize |
| 10 | Total Partially Affected Structures | Number | 6 | Yet to be finalize |
| 11 | Total Affected Families ² | Number | 1217 | 1160 |
| 13 | Total Physically Displaced Households and Affected Persons | Number | 18 AHs and 85 APs | Yet to be finalized |
| 14 | Total Economically Displaced Households and Affected Persons at Dima Hasao | Number | 986 AHs and 4609 APs | 954 AHs |
| 15 | Total Economically Displaced Households and Affected Persons at Karbi Anglong | Number | 986 AHs and 4609 APs | 206 AHs |

Source: CRTDP and census and socio-economic survey conducted by the NGO.

3.5.1 Impacts on Structures falling under Submerging Area

81. LiDAR survey confirmed that there are 36 properties of various categories are found in submerging area of reservoir. These affected properties are basically non-title holders and have no title documents. Out of 36, one property belongs to the Longri Hini Community club i.e., toilet. List of all properties are provided below. These non-title holders shall be dealt as per the entitlements provided in CRTDP. The following table presents summary of the impacted structures. Microplan preparation is underway by the NGO.

Table 3.9: Summary of structures verified by NGO

| Sl. No | Name of village | District | No. of Structure Holders |
|--------------|-----------------|---------------|--------------------------|
| 1 | Longku-II | Dima Hasao | 17 |
| 2 | Dimalongku | Dima Hasao | 05 |
| 3 | Borolongku | Dima Hasao | 12 |
| 4 | Rongtarme | Karbi Anglong | 02 |
| Total | | | 36 |

Source: LiDAR Survey data and joint verification by NGO/APGCL.

3.6 STATUS OF PAYMENTS OF COMPENSATION

82. The loss of land the assets over the land like structures, crops and trees were assessed and compensation paid as per the agreed land rates with ADC and land holders. Compensation of assets were evaluated by the PWD, agriculture and

² Dima Hasao 954 + Karbi Anglong 206= Total 1160(Figure is based on the compensation disbursement list provided by Joint Secretary, KAAC w.r.t. Karbi Anglong)



horticulture etc department. The below table presents the compensation paid to AFs by APGCL and concerned ADCs.

Table 3.10: Status of Payments of Compensation (Land including Zirat)

| Sl. No | Autonomous District | Total Land | Total Land (Ha) | Compensation (crores) |
|------------------|---------------------|------------|-----------------|-----------------------|
| 1 | Dima Hasao | Revenue | 909.00 | 44.57 |
| | | Forest | 477.77 | 109.75 |
| 2 | Karbi Anglong | Forest | 45.28 | |
| | | Revenue | 145.00 | |
| Sub total | | | 1577.05 | 162.43 |

Source: APGCL and ADC's payment documents.

83. The compensation of land and affected properties has been paid in both the districts. Based on the socio-economic data obtained by NGO through the ground survey, the R&R assistances and allowances have been calculated. There was some delay occurred in paying land and asset compensation in Karbi Anglong, however, the socio-economic survey has been conducted in both villages of Karbi Anglong. Accordingly, the micro plan has been prepared for complete project affected families in Dima Hasao and W. Karbi Anglong districts i.e., for total 17 villages.

3.7 STATUS OF PAYMENTS OF R&R ASSISTANCE/ALLOWANCES

84. After complete payment of Land and Zirat, NGO has prepared microplan for Dima Hasao and Karbi Anglong covering two eligible R&R components i.e., Rs 50,000 Special subsistence allowance (Additional assistance for STs) & Rs. 500,000 as One-time payment for Income Restoration and Improvement in lieu of job (for details please refer Annexure-7 EM). Micro plan has only been prepared for Dima Hasao and Karbi Anglong districts for all 17 villages. The following table presents the status of R&R paid village wise and balance to be paid to AFs.

Table 3.11: Status of Payments of Compensation and R&R Assistances

| Sl. No. | Village | Total Land | | Rehabilitation & Resettlement | |
|---------|-----------------|------------|----------|-------------------------------|--------------------|
| | | Properties | Families | Progress Till Dec 23 | Pending to be paid |
| 1 | Borolangklam | 191 | 116 | 112 | 4 |
| 2 | Borolangku | 285 | 181 | 178 | 3 |
| 3 | Chotolangpher | 35 | 30 | 30 | 0 |
| 4 | Chotolangku | 21 | 14 | 14 | 0 |
| 5 | Degremdisa | 90 | 64 | 64 | 0 |
| 6 | Dimalangku | 70 | 42 | 42 | 0 |
| 7 | Disabra | 216 | 179 | 178 | 1 |
| 8 | Krungmenglangso | 31 | 24 | 22 | 2 |
| 9 | Longku II | 62 | 46 | 45 | 1 |
| 10 | Lorulangso | 32 | 31 | 31 | 0 |
| 11 | Mungkele | 166 | 119 | 119 | 0 |
| 12 | Rongkhelan | 2 | 2 | 2 | 0 |
| 13 | Sokpuru | 56 | 36 | 35 | 1 |



| Sl. No. | Village | Total Land | | Rehabilitation & Resettlement | |
|--------------------------|-------------|-------------|-------------|-------------------------------|--------------------|
| | | Properties | Families | Progress Till Dec 23 | Pending to be paid |
| 14 | Tortelangso | 105 | 67 | 66 | 1 |
| 15 | Waperdisa | 7 | 3 | 3 | 0 |
| Sub-total Dima Hasao | | 1369 | 954 | 941 | 13 |
| 17 | Cherimthepi | 78 | 75 | 61 | 14 |
| 18 | Langsomepi | 153 | 131 | 114 | 17 |
| Sub-total Karbi Anglong* | | 231 | 206 | 175 | 31 |
| G. Total 120 MW LKHEP | | 1600 | 1160 | 1116 | 44 |

*Note: Eight PAFs who were the resident of Dima Hasao and paid in Karbi Anglong have been removed from the figure in Karbi Anglong, hence total number of PAFs are now in KAAC are 206 instead 214.

85. As on December 2023, only 44 AFs out of total 1160 are pending for R&R Assistance payment in which 13 from Dima Hasao and 31 from Karbi Anglong autonomous district. APGCL with NGO is trying hard to obtain the legal heir documents pending. ADC is also helping to the APGCL through the concerned gaon buras.

3.8 RESTTLEMENT SITE DEVELOPMENT PROGRESS

86. After completing the LiDAR survey, it has been found that there is no displacement involved. All the AFs who have been paid for residential buildings, have agreed unanimousness that they will resettle themselves as per their requirements, if arises. However, APGCL will continue in touch with all the affected structures owner to provide help if needed.

Annexure 1: Notification of Appointment of Administrator at State Level

ORDER

The North Cachar Hills Autonomous Council is pleased to recommend the name of Shri Saindesh Ardao, Secretary, Revenue, N.C. Hills Autonomous Council in the equivalent rank of Deputy Collector of Revenue Department for appointment of "Administrator" for monitoring of the Rehabilitation and Resettlement Schemes for Lower Kopili Hydro Electric Project at Longku to be implemented by the Assam Power Generation Co-operation Ltd.

Sd/-
Principal Secretary (N)
N.C. Hills Autonomous Council
Haflong

Memo NO.REV/S/34/2017-2018/ 234

Dated Haflong, the 18th August'2017.

Copy to:-

1. The P.A. to the Hon'ble Chief Executive Member, N.C. Hills Autonomous Council, Haflong for favour of kind appraisal to Hon'ble C.E.M.
2. The Chairman, APGCL, Bijulee Bhawan, Paltan Bazar, Guwahati for favour of kind information.
3. The Addl. Chief Secretary, Power Govt. of Assam, Dispur, Guwahati for favour of kind information.
4. The Deputy Commissioner, Dima Hasao Haflong for favour of information.
5. The Managing Director, Bijulee Bhawan, Paltan Bazar, Guwahati for favour of kind information.
6. The Chief General Manager, Bijulee Bhawan, Paltan Bazar, Guwahati for favour of kind information.
7. Sri. S. Ardao, Secretary, Revenue, N.C. Hills Autonomous Council, Haflong for information and necessary action.
8. Office order file.

Issue No: 642-48

Dated: 18/8/17



[Signature]
Principal Secretary (N)
N.C. Hills Autonomous Council
Haflong

**KARBI ANGLONG AUTONOMOUS COUNCIL
DEPARTMENT OF POWER
KAAC SECRETARIAT
DIPHU-782460.**

No. KAAC/REV/518/2007/

Dated ____/____/2017.

ORDER

The authority of Karbi Anglong Autonomous Council is pleased to recommend the name of Shri/Smt Richard Rongpi, ACS, Under Secretary, Karbi Anglong Autonomous Council for appointment of "Administrator" for monitoring of the Rehabilitation and Resettlement Schemes for Lower Kopili Hydro Electric Project at Longku to be implemented by the Assam Power Generation Co-operation Ltd.

Sd/-
Principal Secretary
Karbi Anglong Autonomous Council
Diphu.

Memo No. KAAC/REV/518/2007/ 4713 (A)

Dated ____/____/2017.

Copy to:-

1. The P.A. to the Hon'ble Chief Executive Member, Karbi Anglong Autonomous Council, Diphu for favour of kind appraisal to Hon'ble C.E.M.
2. The Chairman, APGCL, Bijulee Bhawan, Paltan Bazar, Guwahati for favour of kind information.
3. The Addl. Chief Secretary, Power Govt. of Assam, Dispo. Guwahati for favour of kind information.
4. The Deputy Commissioner, Karbi Anglong, Diphu/ West Karbi Anglong, Hamren.
5. The Managing Director, Bijulee Bhawan, Paltan Bazar, Guwahati for favour of kind information.
6. The Chief General Manager, Bijulee Bhawan, Paltan Bazar, Guwahati for favour of kind information.
7. Shri/Smt Richard Rongpi, ACS, Under Secretary, KAAC for information and necessary action.
8. Office order file

Principal Secretary
Karbi Anglong Autonomous Council
Diphu.



ASSAM POWER GENERATION CORPORATION LIMITED

Registered Office: Bijulee Bhawan, 3rd floor, Paltanbazar, Guwahati-781 001, Assam

Mridul saikia

Chief General Manager (PP&I)

Project Director (PMU)

E-mail : mridul.saikia@apgcl.org

No: APGCL/LKHEP/PD/2017-18/21/Part-I/Part file-1/126

Dated: 11.11.2022

OFFICE ORDER

A Co-ordination Committee is hereby constituted for Lower Kopili Hydro Electric Project to facilitate consultation between Affected Peoples (APs), APGCL, District Council and NGO for discussion of APs problem regarding Land Acquisition, Rehabilitation & Resettlement and other aspects relating to Livelihood restoration and hence **smooth implementation of CRTDP** with the following members:

1. CGM (PP&I) APGCL- **Chairman**
2. GM LKHEP APGCL- **Member Convener**
3. GM (PP&I) APGCL- **Member**
4. DGM (Civil) LKHEP APGCL- **Member**
5. Social Safeguard Expert APGCL- **Member**
6. Environment Expert APGCL- **Member**
7. Social & Resettlement Expert PMC- **Member**
8. NGO CRADLE & GUS representative- **Member**
9. District Council Authority representative from Dima Hasao- **Member**
10. District Council Authority representative from Karbi Anglong- **Member**
11. Affected Peoples Representative- **Member**

NGO will facilitate consultation between the APs, APGCL and District Councils at the field offices and with the APs as and when required to discuss the implementation of CRTDP.



Chief General Manager (PP&I)
APGCL

Dated: 11.11.2022

Memo No: APGCL/LKHEP/PD/2017-18/21/Part-I/Part file-1/126(a)

Copy to:

- 1) The OSD to the Chairman, APGCL - for kind information of Hon'ble Chairman, APGCL
- 2) The OSD to the MD, APGCL- for kind information of MD, APGCL
- 3) Members concerned.
- 4) Relevant file.


Chief General Manager (PP&I)
APGCL

Date: - 25/11/2022

**ASSAM POWER GENERATION CORPORATION LIMITED
LOWER KOPILI HYDRO ELECTRIC PROJECT**

A review meeting was held on 11/10/2022 in the 3rd floor Chairman's conference hall, Bijulee Bhawan, Paltan Bazar, Guwahati-01 to discuss the CRTDP, JFPR & External monitoring works under 120MW Lower Kopili Hydro Electric Project. The meeting decided that a facilitation committee at site should be formed as per the contract agreement comprising officials of APGCL, NGO & PMC

A Facilitation Committee is hereby constituted to facilitate the implementation of CRTDP (Combined Resettlement and Tribal Development Plan) for the 120 MW Lower Kopili Hydro Electric Project funded by ADB and Govt. of Assam.

The committee shall facilitate all the works related to Resettlement and Rehabilitation (R&R) plan in accordance with the contract Agreement and liaison closely with the Project affected Families (PAF) and Project Affected Persons (PAP) in matters pertaining to other than land and property related i.e. R&R.

The following members of the committee are mentioned below:

1. **Sri Dilip Kr Das, GM, LKHEP, APGCL-----Chairman**
2. **Sri Jonardan Rongpi, DGM(C), LKHEP, APGCL-----Convener**
3. **Sri Pankaj Hazarika, Social Expert, APGCL-----Member Secretary**
4. **Sri Victor Paul Choudhury, AGM (C), LKHEP, APGCL-----Member**
5. **Sri Sangram Singh, Social & Resettlement Expert, PMC, AFRY-----Member**
6. **Sri LP Singh, Social Development Expert, NGO GUS-----Member**
7. **Sri Mukut Deka, Training cum Livelihood Specialist, NGO Cradle-----Member**

Dilip Kr Das
25/11/22

Chairman
GM, LKHEP
APGCL

Jonardan Rongpi

Convener
DGM (C), LKHEP
APGCL

Pankaj Hazarika

Member Secretary
Social Expert,
APGCL

Victor Paul Choudhury
Member
AGM (C), LKHEP
APGCL

Sangram Singh
Member

Social & Resettlement Expert,
PMC, AFRY

LP Singh
Member

Social Development Expert,
(NGO Cradle & GUS)

Mukut Deka

Member
Training cum Livelihood Specialist,
(NGO Cradle & GUS)

Annexure 4: Office order regarding constitution of the GRC

| | |
|---|---|
|  | ASSAM POWER GENERATION CORPORATION LIMITED Registered Office: Bijulee Bhawan, 3 rd floor, Paltan-bazar, Guwahati-781 001, Assam Sri. Utpal Gohain Project Director Lower Kopili Hydro Electric Project (LKHEP) E-mail: pdpmu@apgcl.com |
| No: APGCL/LKHEP/PD/2017-18/21/Part-1/45 | Dated: 17.06.2020 |
| <u>OFFICE ORDER</u> | |
| Sub: Constitution of a three tier Grievance Redressal Committee for Lower Kopili Hydro Electric Project to be implemented under assistance from ADB by APGCL. | |
| With the approval of the Competent Authority, the three tier Grievance Redressal Committee for 120 MW Lower Kopili Hydro Electric Project is hereby constituted for Redressal of the grievances related to social and environmental issues of Project Affected Families (PAFs). | |
| A) First Tier of GRC | |
| Site Engineer of APGCL | Deputy Manager (Civil) Lower Kopili Construction Division, APGCL, Lanka, Hojai District, PIN-782446 |
| Site Engineers of Civil & Hydro-mechanical Contractor & Electro-mechanical Contractor | To be Notified in due course |
| Gaon Burahs of Affected Villages | <u>Dima Hasao District:</u> 1) Digremdisa 2) Borolangklem 3) Dimalongku 4) Sokpuru 5) Torthelangso 6) Borolongku 7) Krungminglangso 8) Rongkhian 9) Chotolangpher 10) Chotolongku 11) Lorulangso 12) Disabra 13) Mungkele 14) Waperdisa 15) Longku-II |
| | <u>Karbi Anglong District:</u> 1) Cherimthepl 2) Langsomepl |
| B) Second Tier GRC | |
| Deputy General Manager, Civil, (PMU) O/o the Chief General Manager (PP&I), APGCL, Bijulee Bhawan, Paltan Bazar, Guwahati-781001 | Chairman |
| Secretary, Revenue North Cachar Hills Autonomous Council, Hailong Dima Hasao District. | Member |
| Secretary, Revenue Karbi Anglong Autonomous Council, Diphu Karbi Anglong District. | Member |
| Assistant General Manager (Civil) Lower Kopili Construction Division, APGCL, Lanka, Hojai District, PIN-782446 | Member-Secretary |

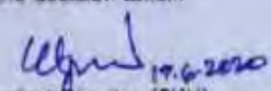
| | |
|--|---------|
| Environment Expert & Social Safeguards Expert Lower Kopili Hydro Electric Project, APGCL Bijulee Bhawan, Paltan Bazar, Guwahati-781001 | Members |
| Contractor's Representative | Member |
| Project Affected Peoples Association's Representative | Member |
| Women's Representative | Member |

C) Third Tier GRC

| | |
|---|------------------|
| Chief General Manager (PP&I) / Project Director, APGCL, Bijulee Bhawan, Paltan Bazar, Guwahati-781001 | Chairman |
| Secretary to the Govt. of Assam, Revenue & Disaster Management Department, Dispur, Guwahati-06 (Representative of the State Revenue Department) | Member |
| General Manager (Project), O/o the Chief General Manager (PP&I), APGCL Bijulee Bhawan, Paltan Bazar, Guwahati-781001 | Member Secretary |
| Deputy General Manager (PMU), O/o the Chief General Manager (PP&I), APGCL Bijulee Bhawan, Paltan Bazar, Guwahati-781001 | Member |
| Representative of both Dima Hasao and Karbi Anglong District Autonomous Councils | Members |
| Representatives of Affected persons association | Members |

Powers and Functions of Grievance Redressal Committee:-

- A) First Tier of Grievance Redressal Committee will receive grievances and complaints of the aggrieved party and in consultation will try to resolve the same within 15 (fifteen) days. Complaints and grievances will be recorded and the same will be made available during inspection. Contact Details of Gaon Burahs, contractors and project site engineers will be prominently displayed at all construction site offices. The complaints and grievances not resolved at the project level will subsequently be placed in the Second Tier of the GRC.
- B) The second tier of the GRC will have a Member Secretary who will receive complaints and grievances. He may call representatives of project related agencies and Gaon Burahs of the project affected villages to participate in the GRC meetings. Record of each complaint and grievance will be maintained and decision taken will be conveyed in writing to the Affected Persons. Time frame to resolve the issues by the 2nd tier is 45 (forty five) days from the date of receipt of the complaint. In case the grievance cannot be resolved the same needs to be forwarded to the 3rd tier for further action.
- C) The third tier is the APGCL appellate authority located at Guwahati. The Chairman may call representatives of project affected persons, survey department and Gaon Burahs of the project area to participate in GRC meetings. The time frame to resolve the grievance is 90 (ninety) days from registration of the complaint. Any decision taken should be in writing and recorded and the concerned person will be intimated on the decision taken.


Project Director (PMU)
Lower Kopili H. E. Project, APGCL

Copy to:

- 1) The P.S to the Chairman, APGCL/AEGCL/APDCL, Bijulee Bhawan, Paltan Bazar, Guwahati- 01 for kind information of the Hon'ble Chairman.
- 2) The Principal Secretary, Power (Elec.) Department, Govt. Of Assam, Dispur, Guwahati-06, for kind information.
- 3) The Managing Director, APGCL, Bijulee Bhawan, Paltan Bazar, Guwahati-01 for kind information.
- 4) The Secretary to the Govt. of Assam, Revenue & Disaster Management Department, E-Block, Assam Secretariat, Dispur, Guwahati-06 for kind information.
- 5) The Secretary (Revenue), North Cachar Hills Autonomous Council (NCHAC), Dima Hasao District, Haflong- 788819 for kind information.
- 6) The Secretary (Revenue), Karbi Anglong Autonomous Council (KAAC), Karbi Anglong District, Diphu- 782460 for kind information.
- 7) The General Manager (Project), O/o the Chief General Manager (PP&I), APGCL, Bijulee Bhawan, Paltan Bazar, Guwahati- 01, for information.
- 8) The Chief Executive Officer, KANCH Electrical Circle, CAR, APDCL, Diphu-782460 for information.
- 9) The Deputy General Manager (PMU), O/o the Chief General Manager (PP&I), APGCL, Bijulee Bhawan, Paltan Bazar, Guwahati-01, for information.
- 10) The Deputy General Manager, Civil, (PMU), O/o the Chief General Manager (PP&I), APGCL, Bijulee Bhawan, Paltan Bazar, Guwahati- 01, for information.
- ✓ 11) The Assistant General Manager (Civil), APGCL, Lower Kopili Construction Division, Lanka, Hojai District, PIN- 782446 for information.
- 12) The Deputy Manager (Civil), APGCL, Lower Kopili Construction Division, Lanka, Hojai District, PIN- 782446 for information.
- 13) The Environment Expert APGCL Lower Kopili H. E. Project, Bijulee Bhawan, Paltan Bazar, Guwahati-01 for information.
- 14) Social Safe Guard Expert, APGCL Lower Kopili H. E. Project, Bijulee Bhawan, Paltan Bazar, Guwahati-01 for information.
- 15) The Gaon Burahs of Affected Villages, Dima Hasao & Karbi Anglong Districts for information.
- 16) The President, Project Affected Peoples Association, Dima Hasao & Karbi Anglong Districts for information.
- 17) Relevant file.

Ujjwal 17.6.2020

Project Director (PMU)
Lower Kopili H. E. Project, APGCL

| Date of Submission | Nature of Grievances |
|--------------------|----------------------|
| | |

Signature



ASSAM POWER GENERATION CORPORATION LIMITED

Registered Office: Bijulee Bhawan, 3rd floor, Paltanbazar, Guwahati-781 001, Assam.

Tele-Fax: 0361-2739502; E-mail: projectdirector@apgcl.com

No: APGCL/LKHEP/PD/2017-18/21/Part-I/Part file-1/39

Date: 31.08.2021

OFFICE ORDER

In partial modification to the office order no: APGCL/LKHEP/PD/2017-18/21/Part-I/45 dated 17.06.2020 regarding constitution of a three Tier Grievance Redressal Committee (GRC) for Lower Kopili Hydro Electric Project under implementation by APGCL, it is hereby notified that the Chairman for Second Tier (Tier-II) of GRC will be henceforth administered by the General Manager, LKHEP, APGCL, Longku or his representative.

The Deputy General Manager, Civil (PMU) of APGCL Headquarter will act and function as a member Secretary, Deputy General Manager (Civil), LKHEP, APGCL, Longku will act as a member and Assistant General Manager (Civil), LKCD, APGCL, Lanka will remain as member for the Tier-II. The responsibilities and functions of the Tiers will remain unchanged.

The members nominated as representative for Grievance Redressal Committee (GRC) Tier-II and Tier-III by Lower Kopili Hydro Electric Project Affected Peoples' Association (LKHEPAPA) vide letter no: LKHEPAPA/LAU/01/2021-22/2054 dated 23.07.2021 is hereby approved.

Second Tier (Tier-II) GRC

| | |
|--|------------------|
| General Manager, Lower Kopili Hydro Electric Project, Longku, APGCL | Chairman |
| Deputy General Manager, Civil (PMU), O/o the Chief General Manager (PP&I), APGCL | Member Secretary |
| Secretary, Revenue, North Cachar Hills Autonomous Council, Haflong, Dima Hasao District | Member |
| Secretary, Revenue, Karbi Anglong Autonomous Council, Diphu, Karbi Anglong District | Member |
| Deputy General Manager, (Civil), O/o the General Manager, LKHEP, APGCL, Longku | Member |
| Assistant General Manager (Civil), Lower Kopili Construction Division, APGCL, Lanka | Member |
| Environment Expert & Social Safeguard Expert, Lower Kopili Hydro Electric Project, APGCL | Members |
| Contractor's Representative | Member |
| Project Affected Peoples Association's Representative | Member |
| Women's Representative | Member |

The order is modified up to this extent only. All other conditions will remain unchanged.


Project Director (PMU)
APGCL, Bijulee Bhawan, Guwahati-1

Copy to:

1. The P.S. to the Chairman, APGCL/AEGCL/APDCL, Bijulee Bhawan, Paltan Bazar, Guwahati-01 for kind information of the Hon'ble Chairman
2. The Principal Secretary, Power (Elec.) Department, Govt. of Assam, Dispur, Guwahati-06 for kind information
3. The Managing Director, APGCL, Bijulee Bhawan, Paltan Bazar, Guwahati-01 for kind information
4. The Secretary to the Govt. of Assam, Revenue and Disaster Management Department, E-Block, Assam Secretariat, Dispur, Guwahati-06 for kind information
5. The Secretary (Revenue), North Cachar Hills Autonomous Council (NCHAC), Dima Hasao District, Haflong-788819 for kind information
6. The Secretary (Revenue), Karbi Anglong Autonomous Council (KAAC), Karbi Anglong District, Diphu-782460 for kind information
7. The General Manager (Project), O/o the Chief General Manager (PP&I), APGCL, Bijulee Bhawan, Paltan Bazar, Guwahati-01 for information
8. The General Manager, LKHEP, Longku for information
9. The Chief Executive Officer, KANCH Electrical Circle, CAR, APDCL, Diphu-782460 for information
10. The Deputy General Manager (PMU), O/o the Chief General Manager (PP&I), APGCL, Bijulee Bhawan, Paltan Bazar, Guwahati-01 for information
11. The Deputy General Manager, Civil (PMU), O/o the Chief General Manager (PP&I), APGCL, Bijulee Bhawan, Paltan Bazar, Guwahati-01 for information
12. The Assistant General Manager (Civil), APGCL, Lower Kopili Construction Division, Lanka, Hojai District Pin-782446 for information
13. The Deputy Manager (Civil), APGCL, Lower Kopili Construction Division, Lanka, Hojai District Pin-782446 for information
14. The Environmental Expert, APGCL, Lower Kopili H.E. Project, Bijulee Bhawan, Paltan Bazar, Guwahati-01 for information
15. The Social Safeguard Expert, APGCL, Lower Kopili H.E. Project, Bijulee Bhawan, Paltan Bazar, Guwahati-01 for information
16. The Gaon Burhas of Affected Villages, Dima Hasao & Karbi Anglong Districts for information
17. The President, Project Affected Peoples Association, Dima Hasao & Karbi Anglong Districts for information
18. Relevant file


Project Director (PMU)
APGCL, Bijulee Bhawan, Guwahati-1

Minutes of the Meetings

Implementation of Combined Resettlement and Tribal Development Plan of Lower Kopili Hydro Electric Project in Dima Hasao and Karbi Anglong Districts of Assam

| | |
|-----------------------------|---|
| Report submitted by: | CRADLE |
| Date of Report: | 14.10.2023 |
| Place of Meeting | Cherimthepe G.B Residence |
| Purpose of Meeting | Consultation meeting on Local Area Development implementation of CRTDP, Awareness on R&R and Identity card distribution |

Attendees

| S.No. | Name | Project Role | Agency |
|-------|--------------------|--|--------|
| 1 | L.P Singh | Social Development expert | CRADLE |
| 2 | Pribon Boro | Field Coordinator | CRADLE |
| 3 | Mr. Karuna Bora | Field Coordinator | CRADLE |
| 4. | Mrs. Rupak Debnath | Office Assistant cum Field Coordinator | CRADLE |

List of attendees enclosed

Agenda

| S.No. | Agenda |
|-------|--------------------------------------|
| 1. | Discussion on Local Area Development |
| 2. | Awareness on R&R |
| 3. | Identity card distribution |

Minutes:

Meeting 14.10.2023: Cherimthepe village

The village Consultation meeting on Local Area Development implementation of CRTDP, Awareness on one time R&R assistance and Identity card distribution was held on 14.10.2023 at the residence of Gaonbura at Cherimthepe village attended by 40PAFs consisting of 7 female and 33 male members. The meeting started with the welcome address by the Secretary PAPA-LKHEP, Karbi Anglong.

The Social Development Expert from CRADLE Mr. L.P Singh brief about the upcoming scheme of local area development which will be implemented as per the survey conducted and need base activities which will be benefitted by the whole village household. In order to managed and maintained the infrastructure which will be constructed would have to be manage by the community and for that consent of the village is required. Mr. Singh also throw some important aspects on the one time R&R assistance on how to used it productively, economically which will generate income and sustained their livelihood and improved their overall being. Regarding the Identity Card signing and distribution was also highlighted for participating in the skill development training which will be conducted from the Project. Distribution of signed Identity Card to the PAFs was also conducted during the day after the consultation meeting was over.

The meeting ended with the vote of thanks by the President PAPA-LKHEP Mr. Hemari Timung.

Photographs of Cherimthepi programme





ASSAM POWER GENERATION CORPORATION LIMITED
120 MW LOWER KOPIJI HYDRO ELECTRIC POWER PROJECT,
PKG-2



PUBLIC CONSULTATION MEETING
IMPLEMENTATION OF CRTDP (ATTENDANCE SHEET)

Venue/Location: *Cherionhepi*

Date & Time: *14/10/2023*

Purpose of Meeting: *Local Area Development, proper use of assistance amount*

| Sl. No. | Name | ST/SC/GEN | Sex | Occupation | Contact no. | Signature |
|---------|-------------------|-----------|-----|-------------|-------------|--------------------------|
| 1. | Kangbura Rongfari | ST | M | Agriculture | - | |
| 2. | Rupsing Rongphoi | " | M | " | - | |
| 3. | Chandra Teson | " | M | " | - | <i>Chandra Teson</i> |
| 4. | Joyshing Patan | " | M | " | - | <i>Joyshing Patan</i> |
| 5. | Lalsing Kheo | " | M | " | - | <i>Lal Sing Kheo</i> |
| 6. | Umchea Engfi | " | M | " | - | <i>Umchea Engfi</i> |
| 7. | Saibong Timeng | " | " | " | - | |
| 8. | Seng Rongphao | " | " | " | - | <i>Seng Rong phao</i> |
| 9. | Bisoning Boy | " | " | " | - | <i>Bison Sing Boy</i> |
| 10. | Raju Phangcho | " | " | " | - | <i>Rajul Phang Cho</i> |
| 11. | Muesh Patan | " | " | " | - | <i>Mueson Patan</i> |
| 12. | Haresing Engfi | " | " | " | - | <i>হাৰেশিং এংফি</i> |
| 13. | Joyshing Phangcho | " | " | " | - | <i>Joy Sing Phangcho</i> |
| 14. | Mouman Englung | " | " | " | - | <i>Mouman Englung</i> |



ASSAM POWER GENERATION CORPORATION LIMITED
120 MW LOWER KOPI LI HYDRO ELECTRIC POWER PROJECT,
PKG-2



PUBLIC CONSULTATION MEETING
IMPLEMENTATION OF CRTDP (ATTENDANCE SHEET)

Venue/Location: *Chestimthepi* Date & Time: *14/10/2023*

Purpose of Meeting: *Local area development, proper use of assistance amount.*

| Sl. No. | Name | ST/SC/GEN | Sex | Occupation | Contact no. | Signature |
|---------|-----------------|-----------|-----|-------------|-------------|-----------------|
| 15 | Hemari Bay | ST | M | Agriculture | - | |
| 16 | Dhaning Teson | " | " | " | - | Dhan Sing Teson |
| 17 | Rajan Teson | " | " | " | - | Rajan Teson |
| 18 | Ramsing Bay | " | " | " | - | Ram Sing Bay |
| 19 | Kangbura Bay | " | " | " | - | |
| 20 | Hemari Ranghary | " | " | " | - | |
| 21 | Kangbura Dera | " | " | " | - | Kang Bura Dera |
| 22 | Hemari Patan | " | " | " | - | Hemari Patan |
| 23 | Hemari Bay | " | " | " | - | Hemari Bay |
| 24 | Chandna Dera | " | " | " | - | চন্ডনা ডেরা |
| 25 | Bidyarongphar | " | " | " | - | Bidyarongphar |
| 26 | Jayshing Teson | " | " | " | - | Jay Sing Teson |
| 27 | Kaef Baypi | " | F | housewife | - | |
| 28 | Kasing Dexapi | " | F | " | - | |



ASSAM POWER GENERATION CORPORATION LIMITED
120 MW LOWER KOPIJI HYDRO ELECTRIC POWER PROJECT,
PKG-2



PUBLIC CONSULTATION MEETING
IMPLEMENTATION OF CRTDP (ATTENDANCE SHEET)

Venue/Location: *Chestmuthipi* Date & Time: *11/10/2023*

Purpose of Meeting: *Local area development, proper use of assistance amount.*

| Sl. No. | Name | ST/SC/GEN | Sex | Occupation | Contact no. | Signature |
|---------|-----------------|-----------|-----|--------------------------|-------------|----------------|
| 29 | Kaen Nisopi | ST | F | housewife Agriculture | - | RHS |
| 30 | Kaen eykhipi | " | F | " | - | RHS |
| 31 | Hansing Hansa | " | M | Agriculture | - | |
| 32 | Phonsing Deza | " | M | " | - | Phon Sing Deza |
| 33 | Phonet Tekon | " | M | " | - | Phonet Tekon. |
| 34 | Rojami Dokupi | " | F | housewife | - | Rojami Deza |
| 35 | Lola Hansapi | " | F | " | - | |
| 36 | Sunit Longphapi | " | F | " | - | S. songphapi |
| 37 | Hemais Timung | " | M | Agriculture | - | Timung |
| 38 | Bibon Bodo | " | M | CRADLE | - | Bodo |
| 39 | Kasun Bosa | OBC | M | " | - | |
| 40 | Longing Tisso | ST | M | Agriculture | - | Longing Tisso |
| | | | | | | |
| | | | | | | |

Minutes of the Meetings

Implementation of Combined Resettlement and Tribal Development Plan of Lower Kopili Hydro Electric Project in Dima Hasao and Karbi Anglong Districts of Assam

| | |
|-----------------------------|---|
| Report submitted by: | CRADLE |
| Date of Report: | 14.10.2023 |
| Place of Meeting | Rongtarme L.P School |
| Purpose of Meeting | Consultation meeting on Local Area Development implementation of CRTDP, Awareness on R&R and Identity card distribution |

A. Attendees

| Sl. No. | Name | Project Role | Agency |
|---------|--------------------|--|--------|
| 1 | L.P Singh | Social Development expert | CRADLE |
| 2 | Pribon Boro | Field Coordinator | CRADLE |
| 3 | Mr. Karuna Bora | Field Coordinator | CRADLE |
| 4. | Mrs. Rupak Debnath | Office Assistant cum Field Coordinator | CRADLE |

List of attendees enclosed

B. Agenda

| S.No. | Agenda |
|-------|--------------------------------------|
| 1. | Discussion on Local Area Development |
| 2. | Awareness on R&R |
| 3. | Identity card distribution |
| | |

Minutes:

Meeting 14.10.2023: Rontarme village

The village Consultation meeting on Local Area Development implementation of CRTDP, Awareness on one time R&R assistance and Identity card distribution was held on 14.10.2023 at the L.P School at Rongtarme village attended by 44PAFs consisting of 2 female and 42 male members. The meeting started with the welcome address by the Secretary PAPA-LKHEP, Karbi Anglong.

The Social Development Expert from CRADLE Mr. L.P Singh brief about the upcoming scheme of local area development which will be implemented as per the survey conducted and need base activities which will be benefitted by the whole village household. In order to managed and maintained the infrastructure which will be constructed would have to be manage by the community and for that consent of the village is required. Mr. Singh also throw some important aspects on the one time R&R assistance on how to used it productively, economically which will generate income and sustained their livelihood and improved their overall being. Regarding the Identity Card signing and distribution was also highlighted for participating in the skill development training which will be conducted from the Project. Distribution of signed Identity Card to the PAFs was also conducted during the day after the consultation meeting was over.

The meeting ended with the vote of thanks by the President PAPA-LKHEP Mr. Hemari Timung.

Photographs of Rongtarme programme





ASSAM POWER GENERATION CORPORATION LIMITED
120 MW LOWER KOPILI HYDRO ELECTRIC POWER PROJECT,
PKG-2



PUBLIC CONSULTATION MEETING
IMPLEMENTATION OF CRTDP (ATTENDANCE SHEET)

Venue/Location: *Rongtakone* Date & Time: *14/10/2023*

Purpose of Meeting: *Local Area Development, proper use of assistance amount*

| Sl. No. | Name | ST/SC/GEN | Sex | Occupation | Contact no. | Signature |
|---------|------------------|-----------|-----|-------------|-------------|-------------------------|
| 1. | Olios Teron | ST | M | Agriculture | 9401871551 | <i>Olios</i> |
| 2. | Sauthe Milite | " | " | " | 995775322 | <i>S Milite</i> |
| 3. | Hemari Timung | " | " | " | 8099120622 | <i>H Timung</i> |
| 4. | Philipsing Teron | " | " | " | 9864032717 | <i>Philis</i> |
| 5. | Kamal Hanse | " | " | " | - | <i>K Hanse</i> |
| 6. | Rifulpen Engti | " | " | " | 9455294984 | <i>R Engti</i> |
| 7. | Chandrao Hanse | " | " | " | - | <i>Chandrao</i> |
| 8. | Johan Rongfi | " | " | " | - | <i>Johan Rongfi</i> |
| 9. | Bonjamin Engtang | " | " | " | - | <i>Bonjamin Engtang</i> |
| 10. | Arman Engti | " | " | " | - | <i>Arman Engti</i> |
| 11. | Manash Hanse | " | " | " | - | <i>Manash Hanse</i> |
| 12. | Milingson Duxong | " | " | " | - | <i>Milingson Duxong</i> |
| 13. | Kelson Rongfi | " | " | " | - | <i>Kelson Rongfi</i> |
| 14. | Bidyasing Rongfi | " | " | " | - | <i>Bidyasing Rongfi</i> |



ASSAM POWER GENERATION CORPORATION LIMITED
120 MW LOWER KOPIJI HYDRO ELECTRIC POWER PROJECT,
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PUBLIC CONSULTATION MEETING
IMPLEMENTATION OF CRTDP (ATTENDANCE SHEET)

Venue/Location: Rongfakme Date & Time: 14/10/2023
Purpose of Meeting: Local area development, proper use of
assistance amount.

| Sl. No. | Name | ST/SC/GEN | Sex | Occupation | Contact no. | Signature |
|---------|------------------------------------|-----------|-----|-------------|----------------|------------------|
| 15 | Soul engteng | ST | M | Agriculture | 939466 5229 | Soul engteng |
| 16 | Hossing Terang | u | u | u | 81349 84482 | Hossing Terang |
| 17 | Yanson Bay | u | u | u | - | LHS |
| 18 | Bidyasing Milik | u | u | u | 97646 96599 | Bidyasing Milick |
| 19 | Rela Terangpi | u | F | housewife | - | RHS |
| 20 | Arjun Doyphi | u | M | Agriculture | - | Arjun |
| 21 | Sing Timor Tisso | u | u | u | - | LHS |
| 22 | Chandrasing Teran | u | u | u | - | Ch |
| 23 | Arjun phangcha | u | u | u | - | |
| 24 | Noweleon Engteng | u | u | u | - | Sokte / SONGNGAN |
| 25 | Arnold Pimay | u | u | u | - | |
| 26 | Hakking Terang | u | u | u | - | HAKKING TERANG |
| 27 | John Rongpha | u | u | u | - | John Rongphan |
| 28 | Protax Hitik Millick | u | u | u | - | Protax Millick |



ASSAM POWER GENERATION CORPORATION LIMITED
120 MW LOWER KOPILI HYDRO ELECTRIC POWER PROJECT,
PKG-2



PUBLIC CONSULTATION MEETING
IMPLEMENTATION OF CRTDP (ATTENDANCE SHEET)

Venue/Location: Rangfakeme

Date & Time: 14/10/2023

Purpose of Meeting: Local area Development, proper use of assistance amount.

| Sl. No. | Name | ST/SC/GEN | Sex | Occupation | Contact no. | Signature |
|---------|----------------------|-----------|-----|-------------|----------------|-----------|
| 29 | Andrew Dweong | | M | | | |
| 30 | Rajesh Chinthong | | M | | | |
| 31 | Amos Rongphar | | M | | | |
| 32 | Aleja Eyteng | | M | | | LHS |
| 33 | Pangipangch Rongphar | | M | | | |
| 34 | Kennedy Fingbee | | M | | | |
| 35 | L.P. Singh | | M | CRADLE | | |
| 36 | Karunaborn | | M | CRADLE | | |
| 37 | Poibon Boato | | M | CRADLE | | |
| 38 | Rupak Robrath | OBC | M | CRADLE | 8721811 TSY | |
| 39 | Sila Chingthangpi | | F | | | |
| 40 | Joying Milliet | ST | M | Agriculture | | LHS |
| 41 | Mithisud Terang | 4 | 4 | 4 | | LHS |
| 42 | Elish Terang | 4 | 4 | 4 | | |

Minutes of the Meetings

Implementation of Combined Resettlement and Tribal Development Plan of Lower Kopili Hydro Electric Project in Dima Hasao and Karbi Anglong Districts of Assam

| | |
|-----------------------------|--|
| Report submitted by: | CRADLE |
| Date of Report: | 26.10.2023 |
| Place of Meeting | SGB Residence, Rongtarme village |
| Purpose of Meeting | Consultation meeting on Local Area Development implementation of CRTDP, Awareness on R&R and Identity card Signing |

Attendees

| S.No. | Name | Project Role | Agency |
|-------|--------------------|--|--------|
| 1 | Ashok Kumar Shah | Team Leader | CRADLE |
| 2 | L.P Singh | Social Development expert | CRADLE |
| 3 | Mr. Abraham Teron | Assistant Communication Specialist | CRADLE |
| 4. | Mrs. Rupak Debnath | Office Assistant cum Field Coordinator | CRADLE |

List of attendees enclosed

Agenda

| S.No. | Agenda |
|-------|--------------------------------------|
| 1. | Discussion on Local Area Development |
| 2. | Awareness on R&R |
| 3. | Signing of Identity Card |

Minutes:

Meeting 26.10.2023: Rontarme village

The village Consultation meeting on Local Area Development implementation of CRTDP, Awareness on one time R&R assistance and Signing of Identity card was held on 26.10.2023 at the SGB Residence at Rongtarme village attended by 16PAFs consisting of 1 female and 15 male

members. The meeting started with the welcome address by the Secretary PAPA-LKHEP, Karbi Anglong.

The Team Leader Mr. Ashok Kumar Shah and Social Development Expert from CRADLE Mr. L.P Singh brief about the upcoming scheme of local area development which will be implemented as per the survey conducted and need base activities which will be benefitted by the whole village household. In order to managed and maintained the infrastructure which will be constructed would have to be manage by the community and for that consent of the village is required. Mr. Singh also throw some important aspects on the one time R&R assistance on how to used it productively, economically which will generate income and sustained their livelihood and improved their overall being. Regarding the Identity Card signing and distribution was also highlighted for participating in the skill development training which will be conducted from the Project. Facilitated the signing Identity Card for the PAFs was also conducted during the day after the consultation meeting was over.

The meeting ended with the vote of thanks by the President PAPA-LKHEP Mr. Hemari Timung.

Photographs of Rongtarme programme





ASSAM POWER GENERATION CORPORATION LIMITED
120 MW LOWER KOPILI HYDRO ELECTRIC POWER PROJECT,
PKG-2



PUBLIC CONSULTATION MEETING

IMPLEMENTATION OF CRTDP (ATTENDANCE SHEET)

Venue/Location: *Rangtame*

Date & Time: *26/10/2023*

Purpose of Meeting: *Local area development - and Rtk Settlement.*

| Sl. No. | Name | ST/SC/GEN | Sex | Occupation | Contact no. | Signature |
|---------|----------------------|-----------|-----|-------------|-------------|----------------------|
| 1. | Harsing Sengly | ST | M | Farmer | - | <i>[Signature]</i> |
| 2. | Kangbure Deu | ST | M | " | 8452934135 | Kangbure Deu |
| 3. | Hemari Bey | ST | M | " | - | <i>[Fingerprint]</i> |
| 4. | Sing Rongphar | ST | M | " | - | <i>[Signature]</i> |
| 5. | Starlingson Chintong | ST | M | " | 9394215436 | S. Chintong |
| 6. | Ahraman Sengly | ST | M | " | 9401116907 | Ahraman Sengly |
| 7. | Elia Sengly | ST | M | " | - | <i>[Fingerprint]</i> |
| 8. | Augustine Rongphar | ST | M | " | 9394011752 | Augustine Rongphar |
| 9. | Benjamin Sengly | ST | M | " | - | Benjamin Sengly |
| 10. | Kamantase | ST | M | " | 8011081898 | Kamantase |
| 11. | Mauare House | ST | M | " | 9552178274 | Mauare House |
| 12. | Edaik Sursong | ST | M | " | - | <i>[Fingerprint]</i> |
| 13. | Samsan House | ST | M | - | - | Samsan House |
| 14. | Rajan Bey | ST | M | Agriculture | 8822001899 | <i>[Fingerprint]</i> |

Table 5: Entitlement Matrix

| Category | Type of Impact | Entitlements | Institution (s) Responsible to Deliver | Remarks |
|---|---|--|---|--|
| Part 1. Compensation for land losses including crops and trees – For all Affected Households | | | | |
| Patta Land (Registered, long-term leased land) | - Loss of paddy land - Loss of land with valuable spice plants | 1. Compensation rates proposed by ADC and agreed with GoA and the leaseholders (APs). 2. <i>Jirat</i> values ⁴⁵ assigned by ADC to land and agreed by GoA, APGCL, and leaseholders (APs) 3. Fresh land leaseholds in nearby areas on priority basis as per ADC's regulations. | APGCL and ADC Revenue Officer of ADC | 1. Compensation payment by the two ADCs, supervised by a committed comprising representatives of PAPA, APGCL and ADC 2. Payment by online transfer or check written in head of family or leaseholder's name. ⁴⁶ 3. <i>Gaon bura</i> in each affected community will in consultation with ADC will allocate fresh land on leasehold to those who are fully or partially displaced. |
| Non-patta land (Non-registered short-term leased land) | - Loss of dry land (highland) | 1. Compensation rates proposed by ADC and agreed among ADCs, GoA, and the APs. 2. <i>Jirat</i> value assigned by ADC and agreed by APGCL and leaseholders (APs); | APGCL, and ADC Revenue Officer, ADC | 1. Compensation payment by the two ADCs, supervised by a committed comprising representatives of PAPA, APGCL and ADC 2. Payment by online transfer or check written in head of family or leaseholder's name. ⁴⁷ |

⁴⁵ Value of the assets attached to land and the cost of land development. The *jirat* was decided by the ADC in consultation with the APs, Revenue Department of GoA and ADCs.

⁴⁶ Joint account of husband and wife or check issued in both husband's and wife's names will be encouraged subject to APs willingness and regulatory compliance.

⁴⁷ Joint account of husband and wife or check issued in both husband's and wife's names will be encouraged subject to APs willingness and regulatory compliance.

| Category | Type of Impact | Entitlements | Institution (s) Responsible to Deliver | Remarks |
|--|--|---|--|---|
| | | 3. Fresh land leaseholds in nearby areas on priority basis as per ADC's regulations. | | 3. <i>Gaon bura</i> in each affected community in consultation with ADC will allocate fresh land on leasehold to those who are fully or partially displaced. |
| Trees and cultivated crops | <ul style="list-style-type: none"> - Loss of Trees, and plants - Loss of Paddy cultivation | Annual average income x the remaining productive years ⁴⁸ | APGCL, ADC, Department of Agriculture, GOA | Official compensation rates will be established by the Agricultural Department before land acquisition |
| Part 2. Relocation of Physically Displaced Households and Structures Affected | | | | |
| Homestead and house | - Loss of residential homestead and dwelling | <p>1. A land parcel of 150sqm per household at the resettlement site will be given free, and it shall be free from all encumbrances. Land tenure security at the site is guaranteed. The resettlement site will have basic amenities and road connectivity with outside.</p> <p>2. A new house as per <i>Indira Awas Yojana</i> specifications will be provided and each physically displaced household will get tenure security.</p> <p>Or</p> <p>3. If the physically displaced household preferred, it could obtain the equivalent replacement cost of the house in lieu of the house. A fully affected house will receive at least Rs150,000 and a partially affected</p> | APGCL, ADC, GOA | <p>1. Agencies work closely with affected households and their PAPA in developing the relocation site.</p> <p>2. House plans and budget are to be agreed to by APGCL, ADC and affected households.</p> <p>3. APGCL and ADCs will coordinate with the <i>Pradhan Mantri Awaas Yojana – Gauri</i> Program in Assam in choosing the design and construction of houses.</p> <p>4. APGCL will develop the resettlement site with basic amenities such as water, drainage, roads, school, play ground and community hall.</p> |

⁴⁸ The remaining productive years are determined considering total lease period and continuation of the lease contract. After the leasehold is over, the leaseholder does not have any claim over the land or its products.

| Category | Type of Impact | Entitlements | Institution (s) Responsible to Deliver | Remarks |
|----------------------------------|--|---|--|--|
| | | household will receive at least Rs100,000. | | 5. APGCL will provide funds to build houses or compensation packages in lieu of houses. |
| Household Structures | - Loss of livestock sheds/pens and petty shops | Rs25,000 as one-time financial assistance per affected household | APGCL, ADC, GOA | Identification, recording current status, and the value of livestock sheds/pens and petty shops for artisan, and small trading will be ascertained by APGCL prior to land acquisition and compensation payment |
| Other Household Assets | - Affected private assets such as water pumps | Replacement cost | APGCL, ADC | Identification, recording current status and the value of the items will be estimated prior to land acquisition and compensation payment. |
| Transportation Assistance | - Shifting of household belongings, salvaged building materials, and animals | Rs 50,000 per physically displaced household | APGCL, ADC, PAPA | No deduction will be made for the salvaged timber and construction material. Sufficient notice regarding free transportation of household goods will be given to each displaced household. Cost will be borne by APGCL. Salvaged items such as timber will also be transported free of charge. |
| Subsistence Allowance | - Physically displaced households | Monthly subsistence allowance of Rs 3,000 for 12 months | APGCL, ADC | Pay the household chief by a check direct by APGCL |
| Public Facilities | - Loss of public infrastructure facilities | 1. Piped water supply 2. Sanitation and drainage 3. Health care centre 4. Higher secondary school 5. Playground | APGCL, relevant ADC departments | Consult the community on location, type and cost of facility reconstruction APGCL will pay for the construction of the facilities. |
| Common property | - Loss of common land | 1. Community land for public purposes at the relocation site | APGCL, ADC | Consult the affected households and PAPA on the location, type, cost estimates of facilities. |

| Category | Type of Impact | Entitlements | Institution (s) Responsible to Deliver | Remarks |
|--|---|--|--|--|
| | | 2. Grazing rights on nearby land or an allowance to buy fodder in lieu of the lost grazing land. If not provided, 100 days of Minimum Assured Wages (MAW) per year for 05 years as a grant towards the loss of fuel and fodder | | |
| Stamp Duty and Registration | | The stamp duty and the other fees payable for land registration for permanent land lots at the resettlement sites and for new leaseholds. The land for houses allotted to physically displaced households will be registered in head of the family's name ⁴⁹ property. | APGCL, ADCs | APGCL will bear the costs of stamp duty and land registration. |
| Part 3. Income Restoration and Improvement of Affected Households | | | | |
| Resettlement Allowance⁵⁰ | - All affected households | One-time resettlement allowance of Rs 50,000 per physically displaced household | APGCL, ADC, PAPA | Pay the household chief by a check direct |
| Special subsistence allowance for each affected scheduled tribal household⁵¹ | - Additional assistance for scheduled tribal households | Rs50,000 per scheduled tribe household | APGCL, ADC | Pay the household chief by a check direct by APGCL |

⁴⁹ Registration in both husband's and wife's names will be encouraged subject to APs' willingness and regulatory compliance.

⁵⁰ As per the Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013 (The Act 2013)

⁵¹ As per the Act 2013.

| Category | Type of Impact | Entitlements | Institution (s) Responsible to Deliver | Remarks |
|---|--|--|---|--|
| Income Restoration and Improvement | - Recovery and improvement of household income | <p>Where jobs are created through the project, after providing suitable training and skill development in the required field, make provisions for employment at a rate not lower than the minimum wages provided for in any other law for the time being in force, to at least one member per affected family in the project or arrange for a job in such other project as may be required,</p> <p><u>Or</u></p> <p>One-time payment of Rs500,000 per affected household</p> <p><u>Or</u></p> <p>Annuity of Rs2,000 per month for 20 years with appropriate indexation to the Consumer Price Index for agricultural labourers.</p> <p>Unskilled employment at project sites will be given to the local people including the APs on priority basis.</p> | APGCL, ADC | <p>1. Income generating program will be launched by APGCL well in advance of land acquisition</p> <p>2. APGCL will explain and discuss with APs, PAPA, and ADC the program.</p> <p>3. In case of one-time payment of lump-sum, households will receive money from their ADC before economic or physical displacement.</p> <p>4. Payment by check to each affected household.</p> |
| Skill Training | - Developing income generation opportunities | <p>Affected persons will be offered necessary skill training for the development of entrepreneurship, technical and professional skills for self-employment; e.g.,</p> <ol style="list-style-type: none"> 1. Agricultural equipment operation 2. Motor mechanics 3. Electric equipment repair | APGCL, ADC, national and state level vocational training institutions | <p>APGCL and ADC will coordinate with national level and state level agencies to enlist the APs in their programs, where possible.</p> <p>APGCL and ADCs will focus on the revival and protection of tribal crafts, weaving of tribal clothes, and tribal</p> |

| Category | Type of Impact | Entitlements | Institution (s) Responsible to Deliver | Remarks |
|---------------------------------------|----------------|---|--|---|
| | | <ul style="list-style-type: none"> 4. Driving 5. Sawing 6. Tribal crafts, clothes, and artifacts 7. Cottage industries | | artifacts. Suitable marketing facilities will be provide as part of skill training program. |
| Fishing Rights | - | Each affected household has fishing rights in the reservoir, as determined by the GOA and ADC | APGCL, ADC, GA??? | APGCL will develop a plan for the allocation of fishing rights in the reservoir among affected households before project construction activities start. Affected households will have priority in receiving fishing permits in the reservoir. |
| Part 4. Local Area Development | | | | |
| Educational facilities | | <ul style="list-style-type: none"> 1. Five schools with the following facilities at each: building (classrooms 4+office room+1 hall+ white washing and painting; 2. Furniture and fixtures; Equipment for laboratories; 3. Upgrade of school library; 4. Improvement of drinking water facility; 5. Improvement of toilet facilities | APGCL, ADC, GOA | APGCL, ADC and GOA will consult PAPA and affected households in selecting the locations, planning, construction of facilities with PAPA and affected households. |

Brief report on annual training of PMU and other staff on SPS 2009, gender mainstreaming, prevention of sexual harassment at workplace, GAP monitoring requirements & OHS conducted on 7th December 2023

In compliance of the approved gender action plan Output 2: Institutional Capacity of APGCL Strengthened Activity 2.2 Organize annual training of PMU and other staff on gender mainstreaming, prevention of sexual harassment at workplace, GAP monitoring requirements, sub-activity 2.2.1 training conducted every year (30 staff including 6 women staff trained), a pre informed annual training has been conducted by Social & Resettlement and Environmental Expert of PMC. In this regard, an invitation email with virtual link was communicated from Team Leader PMC to Project Director, General Manager APGCL and other participants. The approved GAP report can be accessed and downloaded from the following link- <https://www.adb.org/sites/default/files/project-documents/47101/47101-004-gap-en.pdf>. Other safeguard related documents can be accessed through the following link- <https://www.adb.org/projects/47101-004/main>.

Venue:

The venue of training was project location at Longku, and for staff who is participated from Bijulee Bhawan, Guwahati or remotely, had joined via virtual link.

Participants:

In view of the target given in the GAP monitoring matrix, APGCL engineers were given the priority to participate. However, to share the knowledge among other stakeholders, the representatives from all the contractors and NGO were also invited. Training material along with the feedback form and capacity assessment questionnaire was circulated among all the participants.

List of APGCL Staff and other Participants:

Following table presents the list of officials and other staff who were presents in the annual training. The data is sex-disaggregated and out of total 39 number of participants, 19 APGCL staff including 5 (25%) women staff were attended the training. Dr Lata Choudhury, form External Monitoring angency were also participated. Snapshots captured during the training is also provided following the table.

| Sl. No. | Name | Sex Age | Designation | Dept. | Agency | Email |
|---------|-------------------------|---------|---------------------------------|-------------------|--------|--|
| 1. | Akshay Talukdar | M 53 | CGM (PP&I) cum Project Director | Civil | APGCL | jonardan.rongpi@apgcl.org |
| 2. | Mrs Rita Boro | F 47 | AM | Electrical | APGCL | rita.boro@apgcl.org |
| 3. | Mrs. Lipika Das | F 43 | AGM | Electrical | APGCL | lipika.das@apgcl.org |
| 4. | Mrs. Banashri Choudhury | F 35 | AGM | IT | APGCL | banashri.choudhury@apgcl.org |
| 5. | Ms. Tonmoya Hazarika | F 32 | AM | HR | APGCL | tonmoya.hazarika@apgcl.org |
| 6. | Mrs. Nayana Das | F 49 | DGM | Company Secretary | APGCL | nayana.das@apgcl.org |

| Sl. No. | Name | Sex Age | Designation | Dept. | Agency | Email |
|---------|----------------------------|---------|---------------------------------------|------------|--------|--|
| 7. | Mr. Mrinmoy J. Pandit | M 35 | DGM | Civil | APGCL | mrinmoyjyoti.pandit@apgcl.org |
| 8. | Mr Kishanu Bikash Karmakar | M 40 | AGM | Electrical | APGCL | krishanu.bikash@apgcl.org |
| 9. | Mr. Apubajyoti Biswasi | M 29 | DM | Civil | APGCL | apurba.biswasi@apgcl.org |
| 10. | Mr. Nabajit Phukan | M 39 | AGM | Electrical | APGCL | nabajit.phukan@apgcl.org |
| 11. | Dr Deepak Baruah | M 66 | Environmental Expert | PMU | AFRY | deepakbaruah007@gmail.com |
| 12. | Jonardan Rongpi | M 54 | GM (i/c), LKHEP | Civil | APGCL | jonardan.rongpi@apgcl.org |
| 13. | Sabin Das | M 40 | AGM | Civil | APGCL | sabin.das@apgcl.org |
| 14. | Victor Paul Choudhury | M 36 | AGM | Civil | APGCL | victorpaul.choudhury@apgcl.org |
| 15. | Animesh Saikia | M 32 | AGM | Civil | APGCL | animesh.saikia@apgcl.org |
| 16. | Dhiraj Borthakur | M 42 | AM | Civil | APGCL | dhirajborthakur@gmail.com |
| 17. | Diganta Dutta | M 38 | JM | Civil | APGCL | digantadutta001.dd@gmail.com |
| 18. | Arunabh Borah | M 29 | JM | Civil | APGCL | arunabhbrah@gmail.com |
| 19. | Krishna Singh | M 46 | JM | Civil | APGCL | singhkrishna451@gmail.com |
| 20. | Koti Reddy Voyyuru | M 54 | RE | PMC | AFRY | vuyyuru.Reddy@afry.com |
| 21. | Kanak Majumdar | M 43 | Tunnel Engineer | PMC | AFRY | kanak.majumdar@afry.com |
| 22. | Dr Jayanta Das | M 49 | Environmental Expert | PMC | AFRY | jayanta.das@afry.com |
| 23. | Sangram Singh | M 42 | Social & Resettlement Expert, PMC | PMC | AFRY | sangram.singh@afry.com |
| 24. | Dr CS Negi | M 44 | Health & Safety Expert, PMC | PMC | AFRY | chandan.singh@afry.com |
| 25. | Parminder Pal Singh | M 41 | OS | PMC | AFRY | parvinder.singh@afry.com |
| 26. | Nikhilesh Thakur | M 26 | Material and Quality Control Engineer | PMC | AFRY | nikhilesh.thakur@afry.com |
| 27. | Marshall Hassa | M 42 | Civil Engineer | PMC | AFRY | Hassa.marshall@gmail.com |
| 28. | Rajesh Tamang | M 39 | Geologist | PMC | AFRY | Rajesh.tamang@afry.com |

| Sl. No. | Name | Sex Age | Designation | Dept. | Agency | Email |
|---------|---------------------|---------|-----------------------------|-----------|----------------|--|
| 29. | Mohan Upadhyay | M 35 | Geologist | PMC | AFRY | Mohan.updahya@afry.com |
| 30. | Kartike Chaudhary | M 25 | Mechanical Engineer | PMC | AFRY | Chaudhary.kartike@afry.com |
| 31. | Manoj Yadav | M 36 | Environmental Engineer, L&T | Env. | L&T | manojyadav@Intecc.com |
| 32. | Tushar Gangopadhyay | M 44 | Safety Head | Admin | L&T | Tushar-g@Intecc.com |
| 33. | Dr Ashok Sah | M 64 | Team Leader | NGO | CRADLE | |
| 34. | LP Singh | M 64 | Social Expert | NGO | CRADLE | |
| 35. | Dr Lata Choudhury | F 45 | Environmental Expert | EMC | Feedback infra | |
| 36. | Suman Kumar | M 40 | Site Supervisor | Package 4 | M/s Salasar | |
| 37. | Sanjay | M 45 | Store Executive | Package 4 | M/s Salasar | |
| 38. | Mijanur Rehman | M 32 | Civil Engineer | Package 4 | M/s Salasar | |
| 39. | Ashutosh Singh | M 36 | Safety Incharge | Package 4 | M/s Salasar | |

Participants Physically Presents in the Training at Longku





Participants virtually Presented in the training program



Method and material of training:

After sending invitation through the project director, a meeting link was created and shared among all the invited participants. In the training the following aspects of the SPS 2009 and GAP related subjects were covered.

- (i) Involuntary Resettlement- Safeguards Requirement,
- (ii) Involuntary Resettlement- Management & Implementation,
- (iii) Involuntary Resettlement- Safeguards Monitoring and
- (iv) Gender Action Plan (GAP) implementation covering gender mainstreaming, prevention of sexual harassment at workplace, GAP monitoring requirements.

A power point presentation presented of all above mentioned subjects were prepared and presented during the training session. PDF version of the material has also been shared among all the participants.

Attendance Sheet



ASSAM POWER GENERATION CORPORATION LIMITED
LOWER KOPILI HYDRO ELECTRIC POWER PROJECT
ATTENDANCE SHEET

Venue/Location: **PMC Conference Hall at Kelong Block, Longku**

Date: **07 Dec 2023**

Purpose of Meeting: **Annual training of PMU and other staff on gender mainstreaming, prevention of sexual harassment at workplace, GAP monitoring requirements, OHS etc**

| Sl. No. | Name | Sex Age | Designation / Dept. | Contact no./Email | Signature |
|---------|-----------------------|------------|-----------------------------------|--|-----------|
| 1. | Jonardan Rongpi | M 54 | GM (i/c), Civil, APGCL | jonardan.rongpi@apgcl.org | |
| 2. | Koti Reddy Voyyuru | M 54 | Resident Engineer, PMC | voyyuru.Reddy@afry.com | |
| 3. | Sabin Das | M 40 | AGM (C), APGCL | sabin.das@apgcl.org | |
| 4. | Victor Paul Choudhury | M 36 | AGM (C), APGCL | victorpaul.choudhury@apgcl.org | |
| 5. | Animesh Saikia | M 32 | AGM (C) i/c, APGCL | animesh.saikia@apgcl.org | |
| 6. | Dhiraj Borthakur | M 42 | AM, APGCL | dhirajborthakur@gmail.com | |
| 7. | Diganta Dutta | M 38 | JM, APGCL | digantadutta001.dd@gmail.com | |
| 8. | Arunabh Borah | M 29 | JM, APGCL | arunabhbrah@gmail.com | |
| 9. | Krishna Singh | M 46 | JM, APGCL | singhkrishna451@gmail.com | |
| 10. | Kanak Majumdar | M 43 | Tunnel Engineer | kanak.majumdar@afry.com | |
| 11. | Sangram Singh | M 42 | Social & Resettlement Expert, PMC | sangram.singh@afry.com | |
| 12. | Dr CS Negi | M 44 | Health & Safety Expert, PMC | chandan.singh@afry.com | |
| 13. | Parvinder Pal Singh | M 40 | QS | parvinder.singh@afry.com | |

| Sl. No. | Name | Sex Age | Designation / Dept. | Contact no./Email | Signature |
|---------|---------------------|------------|---------------------------------------|--|--|
| 14. | Nikhilesh Thakur | M 26 | Material and Quality Control Engineer | 9394101415 nikhilesh.thakur@afry.com |  |
| 15. | Marshall Hassa | M 42 | Civil Engineer | Hassa_marshall@gmail.com | |
| 16. | Rajesh Tamang | M 39 | Geologist | Rajesh.tamang@afry.com |  |
| 17. | Mohan Upadhyay | M 35 | Geologist | Mohan.upadhyay@afry.com |  |
| 18. | Kartike Chaudhary | M 25 | Mechanical Engineer | Chaudhary.kartike@afry.com |  |
| 19. | Manoj Yadav | M 34 | Environmental Expert, L&T | manojyadav@intecc.com 7838013312 |  |
| 20. p | Tushar Gangopadhyay | M 54 | Safety Head, L&T | tushar-g@intecc.com 9332901606 |  |



ASSAM POWER GENERATION CORPORATION LIMITED
LOWER KOPILI HYDRO ELECTRIC POWER PROJECT
ATTENDANCE SHEET

Venue/Location: **PMC Conference Hall at Kolong Block, Longku**

Date: **07 Dec 2023**

Purpose of Meeting: **Annual training of PMU and other staff on gender mainstreaming, prevention of sexual harassment at workplace, GAP monitoring requirements, OHS etc**

| Sl. No. | Name | Sex Age | Designation / Dept. | Contact no./Email | Signature |
|---------|------------------------|------------|--------------------------------|-------------------------|-------------------------|
| 1. | Suman Kumar | M | Site Supervisor | 9155561440 gmail.com | Suman Kumar |
| 2. | Sanjay Palai | M | Store Executive | 6380285467 | [Signature] |
| 3. | Mijanur Rahman | M | Civil Engineer | 7780409160 gmail.com | [Signature] |
| 4. | Rahmtooth Singh | M | Safety Officer | 6388580985 gmail.com | [Signature] |
| 5. | Laxman Singh | M. | Social Dev. Expert CADER | 7564901050 | [Signature] |
| 6. | Dr. Abhishek Kumar Sah | M | Team Leader CADER | 7564901050 | [Signature] 07/12/23 |
| 7. | | | | | |
| 8. | | | | | |
| 9. | | | | | |
| 10. | | | | | |
| 11. | | | | | |
| 12. | | | | | |
| 13. | | | | | |

GOVT. OF ASSAM
OFFICE OF THE ADDITIONAL CHIEF ENGINEER (PHE): DIMA HASAO ZONE, HAFLONG
(E-mail ID-acehaflongphe@gmail.com)

NO.ACE/PHE/HFG/TB-316(JJM)/2023-24/
To,

745

Dated. 15/12/2023

✓ The Project Director (PMU)
Assam Power Generation Corporation Ltd.
Bijulee Bhawan, Paltanbazar, Ghy-1

Sub : Intimation regarding 1 abandoned property falling under submerge area of 120 MW LKHEP, Longku.


Ref : No. APGCL/LKHEP/PD/2017-18/Part-I/Part File-1/A-2/138 dt. 1.12.2023.

Sir,

With reference to the above, I have the honour to inform you that the existing pump house of Umrangso (PHE) Division at Boro Longku village is abandoned for many years. This is not functioning at present and which will be effected after completion of Lower Kopili Hydro Electric Project (120 MW).

As per report received from the Executive Engineer (PHE), Umrangso Division the department has no any objection for demolition of the said abandoned building.


This is for your information and necessary action.


Addl. Chief Engineer (PHE)
Dima Hasao Zone, NCHAC, Haflong

MEMO NO.ACE/PHE/HFG/TB-316(JJM)/2023-24/ 746-47

Dated. 15/12/2023

Copy to: 1. The Chief Engineer (PHE), Water, Assam, Hengrabari, Guwahati-36 for favour of kind information.
2. The Executive Engineer (PHE), Umrangso Division, Umrangso for information with reference to his letter No. EE/PHE/URSO/TB-JJM-01/2023-24/4517 dt. 14.12.2023.


Addl. Chief Engineer (PHE)
Dima Hasao Zone, NCHAC, Haflong



GOVERNMENT OF ASSAM

OFFICE OF THE EXECUTIVE ENGINEER (PHE) UMRONGSO DIVISION : UMRONGSO.

EE/PHE/URSO/TB-JJM-01/2023-24/4517

Dated: 14/12/2023

To,

The Addl. Chief Engineer (PHE)
Dima Hasao Zone

Sub:- Regarding Pump House Located at submerged area of 120 MW LKHEP Longku

Sir,

I have the honor to submit herewith the field report of as submitted by Asst. Executive Engineer (PHE), Umrangso Sub-Division. The abandoned Pump House may be removed after the diesel operated pump is shifted to the store section of Umrangso PHE Division.

This is for kind information and necessary action.

Yours'faithfully

Executive Engineer (PHE)
Umrangso Division, Umrangso

Memo No.: -EE/PHE/URSO/TB-JJM-01/2023-24/4518

Date :- 14/12/2023

Copy To: -

1. Asst. Executive Engineer (PHE), Umrangso Sub-Division, he is requested to make necessary arrangement for shifting the diesel pump to store of Umrangso PHE Division.

Executive Engineer (PHE)
Umrangso Division Umrangso