



**SIX-MONTHLY COMPLIANCE REPORT**

**of**

**ENVIRONMENT CLEARANCE**

**(No. J-12011/26/2012-IA-I dated 4th September, 2019)**

**for**

**LOWER KOPILI HYDRO ELECTRIC PROJECT (120 MW), ASSAM**

**TO**

**MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE,**

**IA.I Division, Indira Paryavaran Bhawan, 3<sup>rd</sup> Floor, Vayu Wing, JorBagh Road,  
New Delhi - 110 003**


**SUBMITTED BY**


**ASSAM POWER GENERATION CORPORATION LIMITED**


**June, 2022**



**Compliance of stipulated conditions of Environmental Clearance**

Sl. No.	Standard conditions of Environmental Clearance	Status Compliance
<b>I. Statutory compliance:</b>		
i	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.	<ul style="list-style-type: none"> <li>• Stage-I Forest Clearance accorded by MoEF&amp;CC, New Delhi on 5th February, 2019.</li> <li>• Stage-II Forest Clearance accorded by MoEF&amp;CC, New Delhi on 04<sup>th</sup> December, 2020.</li> </ul> At Annexure -1
ii	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	Not Applicable. There is no Wildlife Sanctuary or National Parks within 10 km radius of the project site.
iii	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden, if applicable. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six- monthly compliance report, (in case of the presence of Schedule-I species in the study area).	Site Specific Conservation Plan and Wildlife Management Plan submitted to Chief Wildlife Warden, Assam on 25.6. 19.  At Annexure -2
iv	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.	Agreed.  Package 2 Contractor has obtained the CTE and CTO for Crusher, 4 nos of DG sets and Batching Plant along with 4 nos of DG sets. CTO for crusher and DG sets obtained on 7/12.2021 vide Ref no. WB/SLC/T-1184/21-22/09/1152 and CTO for batching plant and DG sets obtained on 27/12.2021 vide Reference No. WB/SLC/T-1191/21-22/17.  Package 2 Contractor has obtained the CTE for Batching Plant (Dam) on 23rd June 2022 vide No. WB/SLC/T-1191/21-22/24.  Applied for CTO for the above plants (Annexure -3 CTO for Batching Plant & 4 DG sets). (Annexure -4 CTO for Crusher and 4 DG sets). Annexure -5 CTE for Batching Plant (Dam)
v	NOC shall be obtained from National Commission of Seismic Design Parameters (NCSDS) of CWC.	Obtained and already submitted.

vi	Necessary approval of CEA shall be obtained for those projects having the project cost more than Rs. 1,000 crore.	Obtained and already submitted.
<b>II. Air quality monitoring and preservation</b>		
i	Regular monitoring of various environmental parameters viz., Water Quality, Ambient Air Quality and Noise levels as per the CPCB guidelines at designated locations shall be carried out on monthly basis and a detailed database of the same shall be prepared and recorded. This shall be used as a baseline data for post construction EIA / Monitoring purposes.	Regular monitoring done at project site (Environmental Monitoring Reports are enclosed in Annexure-6. The monitoring were carried out by MoEF&CC recognized Lab)
ii	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed standards.	Regular monitoring done at project site. Adequate spraying of water in roads and dust control measures has already been installed in respective dust generation site.
iii	Necessary control measures such as water sprinkling arrangements, etc. bet taken up to arrest fugitive dust at all the construction sites.	Regular monitoring done at project site and water sprinkling done. 
<b>III. Water quality monitoring and preservation</b>		
i	Before impounding of the water, Cofferdams for both at the upstream and downstream are to be decommissioned as per EIA/EMP report so that once the project is commissioned; cofferdam should not create any adverse impact on water environment including the rock mass and muck used for the Cofferdam.	Agreed.
ii	Water depth sensors shall be installed at suitable locations to monitor e-flow. Hourly data to be collected and converted to discharge data. The Gauge and Discharge data in the form of Excel Sheet is submitted to the Regional Office, MoEF & CC and to the CWC on weekly basis.	Regular recording of discharge data are taken from Kopili river.
<b>IV. Noise monitoring and prevention</b>		
i	All the equipment likely to generate high noise shall be appropriately enclosed or inbuilt noise enclosures be provided so as to meet the ambient noise standards as notified under the Noise Pollution (Regulation and Control) Rules, 2000, as amended in 2010 under the Environment Protection Act (EPA), 1986.	Agreed. All the DG sets are with acoustic enclosures.

		
ii	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.	Monitoring reports are enclosed in Annexure 6 and complied the Ambient Noise level standards.
<b>V. Catchment Area Treatment Plan</b>		
i	Catchment Area Treatment (CAT) Plan as proposed in the EIA/EMP report shall be implemented in consultation with the State Forest Department and shall be implemented in synchronization with the construction of the project.	An Amount of Rs. 28, 29, 67,000.00 (Rupees Twenty Eight Crore Twenty Nine Lakh Sixty Seven Thousand) only already paid to Forest Department for implementation of Catchment Area Treatment Plan (CATP). APGCL is pursuing with Forest Department for implementation. At present implementation of the CAT plan is included in the APO 2022-2023 as informed.
<b>VI. Waste management</b>		
i	Muck disposal be carried out only in the approved and earmarked sites. The dumping sites shall be located sufficiently away from the HFL of the river. Efforts be made to reuse the muck for construction and other filling purposes and balanced be disposed of at the designated disposal sites. Once the muck disposal sites are inactive, proper treatment measures like both engineering and biological measures be carried out so that sites are stabilized quickly.	At present dumping of excavated earth in 4 locations in Revenue land are going on. Once the muck disposal sites are inactive, proper treatment measures like both engineering and biological measures will be carried out so that sites are stabilized quickly.
ii	Solid waste management should be planned in details. Land filling of plastic waste shall be avoided and instead be used for various purposes as envisaged in the EIA/EMP reports. Efforts are made to avoid one time use of plastics.	Agreed. At present segregation is going on at source and composting process is undertaken at site.
<b>VII. Green Belt, EMP Cost, Fisheries and Wildlife Management</b>		
i	Detailed information on species composition particular to fish species from previous study/literature be inventoried and proper management plan shall be prepared for in situ conservation in the streams, tributaries of river and the main river itself for which adequate budget provision be made and followed strictly.	Agreed. Downstream river ecology study will be conducted shortly to update the baseline information and plan will be updated accordingly. Due to the nonoperational two upstream power projects downstream study is postponed.
ii	Wildlife Conservation Plan prepared for both core and buffer zones shall be implemented in consultation with the local State Forest Department, if applicable.	Wildlife Conservation plan has already been submitted to Forest Department for implementation. Annexure 2.
iii	To enrich the habitat of the project site, plantation shall be raised as envisaged in the EIA/EMP report. Plantation to	Agreed. Plantation already initiated.

	be developed along the periphery of the reservoir in multi-layers with local indigenous species in consultation with the local State Forest Department.	
iv	Compensatory Afforestation programme shall be implemented as per the plan approved.	Agreed.  An amount of Rs. 15, 94, 23,850.00 (Rupees Fifteen Crore Ninety Four Lakh Twenty Three Thousand Eight Hundred Fifty) plus overhead only already paid to Forest Department for Compensatory Afforestation (CA) in CAMPA head. The 8 patches of Revenue land has already been notified as Reserved Forest by Govt. of Assam.
v	Fish ladder/pass as envisaged in the EIA/EMP report shall be maintained for migration of fishes. Regular monitoring of this facility be carried out to ensure its effectiveness	As the river water is acidic in nature, during the EIA study no fish ladder / pass was proposed. Hence Fish ladder/pass is not considered in this project.
<b>VIII. Public hearing and Human health issues</b>		
i	Resettlement & Rehabilitation plan be implemented in consultation with the State Govt. as approved by the State Govt., if any.	Agreed. Implementation is going on.
ii	Budget provisions made for the community and social development plan including community welfare schemes shall be implemented in to.	Agreed. Will be implemented as per plan.
iii	Preventive measures viz. fuming and spraying of mosquito control shall be done in and around the labour colonies, affected villages, stagnated pools, etc. Provisions be made to not to create any stagnated pools to avoid creation of breeding grounds of the vector borne diseases.	Agreed. Package 2 contractor has already taken up appropriate measures to control mosquitoes.
iv	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Agreed. Package 2 contractor has already constructed labour camps with the following facilities like - common kitchen, Sanitary and mobile toilets, safe drinking water, medical health care, etc.  Camp  Staff Canteen

		
v	Labour force to be engaged for construction works shall be examined thoroughly and adequately treated before issuing them work permit. Medical facilities shall be provided at the construction sites.	<p>Medical facility (First Aid Center) provided by the contractor at site.</p>  <p>First Aid Center</p>
vi	Early Warning Telemetric system shall be installed in the upper catchment area of the project for advance intimation of flood forecast.	<p>At present Early warning is given by district administration Disaster Management Cell and discharge data is shared by NEEPCO project authority located upstream.</p> <p>Project specific Early Warning Telemetric system will be installed as soon as the JFPR grant is disbursed.</p>
vii	Emergency preparedness plan be made for any eventuality of the dam failure and shall be implemented as per the Dam Break Analysis	Agreed. The Disaster Management Plan is prepared.
<b>IX. Corporate Environment Responsibility</b>		
i	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 01.05.2018, as applicable, regarding Corporate Environment Responsibility.	Agreed. Now will be covered under EMP as per OM of MoEF&CC.
ii	Skill mapping be undertaken for the youths of the affected project area and based on the skill mapping, necessary trainings to the youths be provided for their long time livelihood generation	Agreed. NGO has been recruited for various activities including skill mapping.

iii	The PP shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	Agreed.
iv	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel are in place.
v	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.	Agreed and initiated.
vi	Post EIA and SIA be prepared for the project through a third party and evaluation report be submitted to the Ministry after five years of commissioning of the project.	Agreed. Will be carried out after completion of 5 years.
vii	Multi-Disciplinary Committee (MDC) be constituted with experts from Ecology, Forestry, Wildlife, Sociology, Soil Conservation, Fisheries, NGO, etc. to oversee implementation of various environmental safeguards proposed in EIA/EMP report during construction of the project. The monitoring report of the Committee shall be uploaded in the website of the Company.	Agreed and is in place. 1 <sup>st</sup> MDC meeting was convened on 6 <sup>th</sup> May, 2022. Minutes of the meeting is at Annexure 7.
<b>X. Miscellaneous</b>		
i	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by 5 prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Already done. At Annexure -8
ii	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to	Already done.

	the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	
iii	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Agreed.
iv	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Agreed and submitted every six months.
v	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Agreed.
vi	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	Agreed.
vii	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Agreed.
viii	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Agreed.
ix	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Agreed.
x	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Agreed.
xi	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Agreed.
xii	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Agreed.
xiii	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/ monitoring reports.	Agreed.
xiv	The above conditions shall be enforced, inter-alia under	Agreed.



	the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	
xv	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Agreed.

**File No.8-53/2018FC**

Government of India  
Ministry of Environment, Forest and Climate Change  
(F.C. Division)

Indira Paryavaran Bhawan,  
JorBagh Road, Aliganj,  
New Delhi: 110003,

**Dated: 04 December, 2020**

To,

The Addl. Secretary (Forests),  
Government of Assam,  
Environment and Forest Department,  
Dispur, Guwahati-6.

**Sub: Diversion of 523.046 ha of forest land for construction of Lower Kopili Hydro Electric Project by Assam Power Generation Corporation under Dima Hasao West Division, Halflong and Hamren Division, Assam.**

Sir,

I am directed to refer to the Govt. of Assam's letter No. FRS/2018/222 dated 30.07.2018 on the subject mentioned above seeking prior approval of the Central Government under Section-2 of the Forest (Conservation) Act, 1980 and to say that the proposal has been examined by the Forest Advisory Committee constituted by the Central Government under Section-3 of the aforesaid Act. After careful consideration of the proposal by the Forest Advisory Committee (FAC) and after its recommendation, and approval of competent authority in the Ministry, *In-principle/Stage-I* approval was accorded vide this Ministry's letter of even number dated 05.02.2019 subject to fulfillment of certain conditions. The State Government has furnished compliance report in respect of the conditions stipulated in the approval and has requested the Central Government to grant final approval.

2. In this connection, I am directed to say that on the basis of the compliance report furnished by the Government of Assam's letters letter No. FRS.152/2018/346 dated 11.09.2020 and No. FRS.152/2018/414 dated 16.10.2020, and clarification on FRA by Ministry of Tribal Affairs letter No.23011/20/2020-FRA dated 30.10.2020, *approval* of the Central Government is hereby accorded under Section-2 of the Forest (Conservation) Act, 1980 for diversion of 523.046 ha of forest land for construction of Lower Kopili Hydro Electric Project by Assam Power Generation Corporation under Dima Hasao West Division, Halflong and Hamren Division, Assam subject to the following conditions:

**A: Conditions which need to be complied prior to handing over of forest land :**

- i. The Government of Assam, Environment and Forest Department shall issue final notification for the proposed Compensatory Afforestation (CA) area as Reserved Forest/Protected Forest prior to handing over the land to the user agency. The State Government shall ensure that the CA area in the final notification shall not be changed without prior approval of the Government of India and shall not be less than 525.27 ha as proposed in the notification nos. FRS152/2018/354, FRS152/2018/353, FRS152/2018/352, FRS152/2018/351, FRS152/2018/350, FRS152/2018/349, FRS152/2018/348 and FRS152/2018/347 dated 11.9.2020 of the Government of Assam.
- ii. The State Government shall ensure that the User Agency will implement the R&R Plan as per the R&R Policy of the State Government in consonance with the National R&R Policy, Government of India before the commencement of the project work. The said R&R Plan will be monitored by the State Government/concern Regional Office of MoEF&CC along with

- indicators for monitoring and expected observable milestones;
- iii. The State Govt. shall ensure the complete compliance on FRA, 2006.
- iv. The State Govt. ensure that the User Agency shall obtain the Environment Clearance as per the provisions of the Environmental (Protection) Act, 1986, if required;

**B: Conditions which need to be complied after handing over of forest land to the user agency :**

- i. Legal status of the diverted forest land shall remain unchanged;
- ii. The State Govt. shall ensure that the State Forest Department will raise the Compensatory Afforestation in identified non -forest land in lieu of 523.046 Ha. of forest land, within three years from the issue of approval and maintained thereafter, from the funds deposited by the User Agency. At least 1000 plants per hectare shall be planted as per approved plan/scheme and maintained thereafter subsequently for ten years. The approved Soil and Moisture Conservation (SMC) activities on the CA land shall be carried out by the State Forest Department;
- iii. The State Govt. shall ensure that 198.746 ha out of proposed diversion of 523.046 ha of forest land shall be maintained as Green Belt at the cost of user agency under the supervision of State Forest Department;
- iv. The User Agency shall pay the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India;
- v. The State Govt. shall ensure that the approved Catchment Area Treatment (CAT) Plan shall be implemented by the State Forest Department from the funds deposited in the account of CAMPA;
- vi. The State Govt. and the User Agency shall ensure that no residential or labour colony/camp shall be constructed over forest land. The User Agency shall provide fuels preferably alternate fuels to the labourers and the staff working at the site so as to avoid any damage and pressure on the nearby forest areas;
- vii. The State Govt. ensure that the User Agency shall carry out muck disposal at pre-designated sites in such a manner so as to avoid its rolling down and the dumping area for muck disposal shall be stabilized and reclaimed by planting suitable species by the user agency at the cost of project under the supervision of State Forest Department. Retaining walls and terracing shall be carried out to hold the dumping material in place. Stabilization and reclamation of such dumping sites shall be completed before handing over the same to the State Forest Department in a time bound manner as per Plan.
- viii. The State Government and the User Agency shall ensure that the tress available between full reservoir level (FRL) and FRL-4 meters are not felled and the User Agency shall carry out afforestation along the periphery of the reservoir;
- ix. The State Govt. and the User Agency shall ensure that period of diversion of the said forest land under this approval shall be for a period co-terminus with the period of the mining lease granted under the Mines and Minerals (Development and Regulation) Act, 1957, as amended and the Rules framed there-under;
- x. The State Govt. shall ensure that the forest land proposed to be diverted shall under no circumstances be transferred to any other agency, department or person without prior approval of the Central Government and the layout plan of the proposal shall not be changed without the prior approval of the Central Government;
- xi. The State Govt. shall ensure that no damage to the flora and fauna of the adjoining area shall be caused;
- xii. The State Govt. shall ensure that the User Agency shall explore the possibility of translocation

**File No.8-53/2018FC**

of maximum number of trees identified to be felled and any tree felling shall be done only when it is unavoidable and that too under strict supervision of the State Forest Department;

- xiii. The State Govt. shall ensure that the User Agency shall provide free water for the forestry related projects;
- xiv. It may please note that violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as prescribed in para 1.21 of Chapter 1 of the Handbook of comprehensive guidelines of Forest (Conservation) Act, 1980 as issued by this Ministry's letter No. 5-2/2017-FC dated 28.03.2019;
- xv. The State Govt. shall ensure that the User Agency shall submit the annual self-compliance report in respect of the above stated conditions to the State Government, concerned Regional Office and to this Ministry by the end of March every year regularly; and
- xvi. The State Govt. shall ensure that the User Agency shall comply all the provisions of the all Acts, Rules, Regulations, Guidelines, Hon'ble Court Order (s) and NGT Order (s) pertaining to this project, if any, for the time being in force, as applicable to the project.

Yours faithfully,

Sd/-

**(Sandeep Sharma)**

Assistant Inspector General of Forests (FC)

**Copy to:**

1. PCCF (HoFF), Government of Assam, Guwahati.
2. Nodal Officer (FCA), Office of the PCCF (HoFF) Government of Assam, Guwahati.
3. Dy. Director General (Central), Integrated Regional Office, Shillong.
4. User Agency.
5. Monitoring Cell of FC Division, MoEF&CC, New Delhi.
6. Guard file.



**ASSAM POWER GENERATION CORPORATION LIMITED**

Registered Office: Bijulee Bhawan, 2<sup>nd</sup> floor, Paltan-bazar, Guwahati-781 001, Assam

**Mr. Ratnajit Biswanath**  
Chief General Manager (Hydro & Civil)  
Phone-0361-2739522  
E-mail: [cgmh2010@yahoo.in](mailto:cgmh2010@yahoo.in)

Dated: 25/06/2019

No: APGCL/CGM (H)/W/2015/569/Vol-II/04

To,

The PCCF (WL) cum Chief Wildlife Warden,  
Govt. of Assam,  
Aranya Bhawan,  
Panjabari, Guwahati-37

Sub: Approval for Conservation Plan for Lower Kopili Hydro Electric Project, 120MW.

Madam,

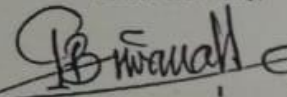
It is for your kind information that, Assam Power Generation Corporation Limited is proposed to install 120 MW hydro electric Project at Kopili river Basin at Longku of Dima Hasao District and Karbi Anglong District.

In this context APGCL has received Stage-I forest clearance from MoEF & CC for diversion of 523.046 Ha of forest land. As advised by Forest Advisory Committee (FAC), MoEF, APGCL has kept 198.746 Ha forest as green belt. For necessary fees for NPV, CA, S&M conservation plan, CAT Plans, ETC has been approved by the respective divisions of forest department for payment in CAMPA account. Accordingly APGCL has initiated necessary actions for release of the aforesaid payment at an early date ahead.

The conservation plan for biodiversity (Flora and Fauna) is enclosed herewith for your kind approval and necessary action.

Thanking You,

Yours faithfully,

  
25/6/19  
Chief General Manager (H&C)  
APGCL

Copy to-

- 1) The Managing Director, APGCL, Bijulee Bhawan, Paltanbazar, Guwahati-1, for kind information.
- 2) The Project Director, Lower Kopili H.E. Project, APGCL, Bijulee Bhawan, Paltanbazar, Guwahati -1 for Information.
- 3) Relevant File.

Received  
on  
25.6.19  
D





**Pollution Control Board:: Assam**  
**Bamunimaidam; Guwahati-21**  
(Department of Environment & Forests :: Government of Assam)  
Phone: 0361-2652774 & 2550258; Fax: 0361-2550259  
Website: [www.pcbassam.org](http://www.pcbassam.org)



No. WB/SLC/T-1191/21-22/17

Dated Guwahati, the 27<sup>th</sup> December, 2021

**“CONSENT TO OPERATE”**

“CONSENT TO OPERATE” (CTO) under Section 25 of Water (Prevention and Control of Pollution) Act 1974 and Section 21 of Air (Prevention and Control of Pollution) Act, 1981 as amended is granted to-

- i) Name of Industry : **M/s Larsen & Toubro Limited.**  
ii) Name of the Occupier / Applicant and Designation : **Sri Santanu Majumdar, Project Manager**  
iii) Address of Industry : **Vill-Totelangso, P.O-Umrangso, Dist-Dima Hasao, Assam**  
iv) Project cost : **Rs. 95.00 Lakhs**  
v) Details of Products :

Sl No.	Product	Quantity/ Capacity
1	Ready Mix Concrete	5200 M <sup>3</sup> /Month

- vi) DG Sets : **1x250 KVA, 1x180 KVA, 1x140 KVA & 1x125 KVA**

**TERMS AND CONDITIONS:**

1. This CTO has been accorded based on the particulars furnished by the applicant vide Application ID **838921** and subject to addition of further more conditions if so warranted by subsequent developments. The CTO will automatically become invalid if there is any changes, modification, alteration, expansion or deviation is made in actual practice.
2. The CTO is valid for a period up to 31.03.2025 unless otherwise suspended or revoked.
3. The CTO may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to the following:-
  - a) Violation of any Terms and Conditions of this CTO;
  - b) Obtaining the CTO by misrepresentation or failure to disclose fully all relevant facts;
  - c) A change in any condition that require temporary or permanent reduction or elimination of the authorized discharge/emission;
4. **The project proponent shall develop a greenbelt / Plantation area with native trees covering at-least 33% of total plot area for the development of greenbelt and carbon sink.**
5. As per provisions of water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 any officer, employed by this Board in its behalf shall have without any interruption, the right at any time to enter the industry for inspection, to take samples for analysis and may call for any information etc.
6. **The project authority should install a Display Board as per the Boards notification no.CBA/LGL-95/2021/Notification/01 dtd.11.11.2021. (Copy enclosed as Appendix-A).**
7. Permission shall be obtained from the Central Ground Water Authority (CGWA) for the extraction of ground water, if applicable.

Contd....P/2

21/12/21



-2-

- Measures including water sprinkling shall be provided at all the material in the haul roads to control fugitive emission.

**Air Aspects:**

- The unit shall comply with the **Particulate Matter (PM) emission level at 150 mg/Nm<sup>3</sup>**
- Dust suppression measures are to be taken by the industry to control the dust in the haul roads during movement of vehicles.
- The unit shall comply with the **standards and guidelines for control of noise pollution from stationary Diesel Generator (DG) set as notified vide GSR 7, dtd.22.12.1998** as attached in **Appendix-B**.
- Necessary steps are to be made to bring the noise within the prescribe limit as stipulated below:

Limit in dB(A) Leq.	
Day time	Night time
75	70

- The industry must comply the National Ambient Air Quality Standards as per Schedule – VII under Rule, 3 (3B) of the Environment (Protection) Rules, 1986 as prescribed vide **CPCB Notification No. B-29016/20/90/PCI-I dtd. 18.11.2009** (copy enclosed as **Appendix -C**) especially for PM<sub>2.5</sub> & PM<sub>10</sub>.

Sr. No.	Pollutant	Time Weighted Average	Concentration in Ambient Air	
			Industrial, Residential, Rural & Other Area	Ecologically Sensitive Area (notified by Central Government)
1.	Particulate Matter (size less than 10µg) or PM10 µg/m <sup>3</sup>	Annual* 24 hours**	60 100	60 100
2.	Particulate Matter (size less than 2.5µg) or PM2.5 µg/m <sup>3</sup>	Annual* 24 hours**	40 60	40 60

**Water Aspects:**

- The unit must construct **effluent treatment system for the treatment of waste water and the parameters should meet with general discharge parameters standard as per G.S.R. 422(E) dated 19.05.1993** (Copy enclosed as Appendix -D).
- The unit shall reuse the treated water at their own processes.

**Solid Waste Aspect-**

- Adequate facility should be created for collection, storage, transportation, treatment & disposal of solid waste generated from the Industry
- Adequate system should be adopted on reduction of waste generation and enhancement of re-utilization & recycling of waste materials.
- Solid waste generated in the unit shall be disposed of as per the provisions of the Solid Waste Management Rules 2016.

Contd....P/3

১৩/১১/১৩



**D. Hazardous Waste Aspects-**

1. The unit shall apply for authorization under the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016 and submit the annual return under Hazardous & Other Waste (Management & Trans Boundary Movement) Rules 2016 in the Form-IV within 30th June every year.
2. Adequate facility shall be provided for collection and storage of spent oil and such hazardous waste generated in the unit shall be sent to registered recyclers for recycling.
3. The unit shall disposed hazardous waste generated in the unit in accordance to the provisions of the Hazardous & Other Waste (Management & Trans Boundary Movement) Rules 2016 including Notification, Guidelines issued there under.

The unit shall submit compliance report of the mandated conditions by April 15 of every year to Member Secretary, PCBA as well as to Regional Office, Silchar, PCBA. The Board will have the liberty to withdraw the CTO if adequate pollution control and safety measures are not taken.

//  
(Shantanu Kr. Dutta)  
Member Secretary

Memo No. WB/ SLC/T-1191/21-22/17-A, 1947

Dated Guwahati, the 27<sup>th</sup> December, 2021

Copy to:

1. ✓ M/s Larsen & Toubro Limited, Vill- Totelangso, P.O-Umrangso, Dist- Dima Hasao, Assam A for information & necessary action.
2. The Executive Engineer; RLO, Silchar, Pollution Control Board, Assam for information & necessary action.

शिवशंकर  
(Shantanu Kr. Dutta)  
Member Secretary





**Pollution Control Board:: Assam  
Bamunimaidam; Guwahati-21**  
(Department of Environment & Forests :: Government of Assam)  
Phone: 0361-2652774 & 2550258; Fax: 0361-2550259  
Website: [www.pcbassam.org](http://www.pcbassam.org)



No. WB/SLC/T-1184/21-22/09

Dated Guwahati, the 07/12/2021

**“CONSENT TO OPERATE”**

“CONSENT TO OPERATE” (CTO) under Section 21 of Air (Prevention and Control of Pollution) Act, 1981 as amended is granted to:-

- i) Name of Industry :M/s Larsen & Toubro Ltd
- ii) Name of the Occupier :Shri SANTANU MAJUMDAR, PROJECT  
Applicant and Designation MANAGER
- iii) Address of Industry :Vill-Totelangso, P.O.: Umrangso,Dist: Dima  
Hasao, PIN: 788931, Assam
- iv) Project cost 47.0 (In Lakhs)
- v) Validity 31-03-2025

SI No.	Number / Type of Crusher	Capacity
1	Jaw Crusher-Primary	200 TPH
2	Jaw Crusher-Secondary	200 TPH

SI No.	Product	Quantity/ Capacity
1	Stone Aggregate	33378 MT/Month
2	<u>By product:</u> 1.Quarry Wastage 2. Micro Fines	5006 MT/Month 3337 MT/Month.

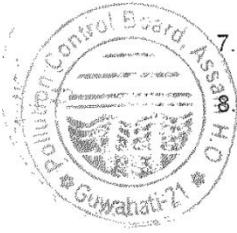
- vi) DG Set 4 nos. of capacity – 40 KVA, 125 KVA, 180 KVA & 250 KVA

**TERMS AND CONDITIONS:**

1. This CTO has been accorded based on the particulars furnished by the applicant vide Application ID 810264 and subject to addition of further more conditions if so warranted by subsequent developments. The CTO will automatically become invalid if there is any changes, modification, alteration, expansion or deviation is made in actual practice.
2. The CTO is valid for a period up to 31.03.2025 unless otherwise suspended or revoked.
3. The CTO may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to the following:-
  - a) Violation of any Terms and Conditions of this CTO;
  - b) Obtaining the CTO by misrepresentation or failure to disclose fully all relevant facts;
  - c) A change in any condition that require temporary or permanent reduction or elimination of the authorized discharge/emission;
4. The CTO does not authorize any addition, alteration, modification, modernization of processor products without prior permission of the Board.
5. Proper housekeeping shall be maintained within unit premises.
6. The project proponent must develop a greenbelt/plantation area with native trees covering atleast 33% of the total plot area to develop Green Belt and Carbon Sink.

Contd...p/2

*Signature*



7. The project authority should install a Display Board as per the Boards notification no. PCBA/LGL-95/2021/Notification/01 dtd.11.11.2021. (Copy enclosed as **Appendix-A**).

As per the provisions of the Water (Prevention and Control of Pollution) Act, 1974 as amended and Air Prevention and Control of Pollution) Act, 1981 as amended that any Officer empowered by the Board on its behalf shall have without interruption, the right at any time to enter the unit premises for inspection, collection of sample for analysis and may call for any information as deemed necessary. Denial of this right will cause withdrawal of the Consent Order.

9. The unit shall apply for renewal atleast ninety (90) before expiry of this CTO.

**Specific Conditions:**

10. **DG Set**

The unit shall comply with the **standards and guidelines for control of noise pollution from stationary Diesel Generator (DG) set** as attached in Appendix-B.

11. The industry shall take adequate measures for control of noise from its own source so as to comply with the Standards below:

Category of Area	Limit in dB(A) Leq.	
	Day Time (6:00am-9:00pm)	Night Time (9:00pm-6:00am)
Industrial area	75	70

12. The industry must comply with the National Ambient Air Quality Standards as prescribed vide Notification No. B-29016/20/90/PCI-I dtd. 18.11.2009 especially with reference to PM<sub>2.5</sub> & PM<sub>10</sub> as follows:

Sl. No.	Pollutant	Time Weighted Average	Concentration in Ambient Air	
			Industrial, Residential, Rural & Other Area	Ecologically Sensitive Area (notified by Central Government)
1.	Particulate Matter (size less than 10µg) or PM <sub>10</sub> µg/m <sup>3</sup>	Annual*	60	60
		24 hours**	100	100
2.	Particulate Matter (size less than 2.5µg) or PM <sub>2.5</sub> µg/m <sup>3</sup>	Annual*	40	40
		24 hours**	60	60

13. The unit shall comply with the **air quality standard of Stone crusher** as follows:

Sl. No.	Pollutant	Standards
1.	Suspended particulate matter	The suspended particulate matter measured between 3 meters and 10 meters from any process equipment of a stone crushing unit shall not exceed 600 micrograms per cubic meter.

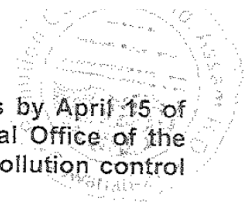
**Hazardous Waste Aspect:**

1. The unit shall apply for authorization under the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016.
2. Appropriate facility should be created for handling, storage, treatment & disposal of Hazardous waste generated from the industry such as spent oil, waste oil etc. in accordance to the provisions of the Hazardous & Other Wastes (Management & Trans Boundary Movement) Rules, 2016 including Notification, Guidelines issued there under;
3. The unit should submit the annual return under the Hazardous & Other Wastes (Management & Trans Boundary Movement) Rules, 2016 in the Form-IV within 30<sup>th</sup> June every year, E-Waste Management Rules, 2016 in the Form-III within 30<sup>th</sup> June every year and Plastic Waste Management Rules, 2016 within 30<sup>th</sup> June every year.

Contd...p/3

*S.D.K.*

The unit shall submit compliance report of the mandated conditions by April 15 of every year to Member Secretary, PCBA as well as to concerned Regional Office of the Board. The Board will have the liberty to withdraw the CTO if adequate pollution control and safety measures are not taken.



//  
(Shantanu Kr. Dutta)  
Member Secretary

Memo No. WB/SLC/T-1184/21-22/09-A, <sup>11/12</sup>  
Copy to:

Dated Guwahati, the 07/12/ 2021

- ✓ 1. M/s Larsen & Toubro Ltd, Vill-Totelangso, P.O.: Umrangso, Dist: Dima Hasao, PIN: 788931, Assam for information & necessary action.
2. The General Manager, DI & CC, Dima Hasao District, Assam, for information.
3. The Executive Engineer; Regional Lab cum Office, Silchar; Pollution Control Board, Assam for information & necessary action.

শান্তনু কৃষ্ণ  
(Shantanu Kr. Dutta)  
Member Secretary

*(Handwritten signature)*



**Pollution Control Board:: Assam**  
**Bamunimaidam; Guwahati-21**  
(Department of Environment & Forests :: Government of Assam)  
Phone: 0361-2652774 & 2550258; Fax: 0361-2550259  
Website: [www.pcbassam.org](http://www.pcbassam.org)



No. WB/SLC/T-1191/21-22/24

Dated Guwahati, the 23<sup>rd</sup> June, 2022

**“CONSENT TO ESTABLISH”**

“CONSENT TO ESTABLISH” (CTE) under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 and Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 as amended and Rules Framed thereunder is granted to:

- i) Name of Industry : M/s Larsen & Toubro Ltd. (Batching Plant)
- ii) Name of the Occupier / Applicant and Designation : Santanu Majumder, Project Manager
- iii) Address of the unit : Lower Kopili Hydro Electric Power Project, Vill: Longku, P.O. Umrangso, Dist. Dima Hasao, Assam-788931.
- iv) Cost of the project : Rs. 744.69 Lakhs.
- v) Details of the project & category : Batching Plant (Green Category)

Sl. No.	Product	Capacity
1.	Cement Concrete	200000 m <sup>3</sup> / annum

**General Conditions:**

1. The Consent to Establish (CTE) has been accorded based on the particulars furnished by the applicant vide **Application ID: 1278389** and subject to addition of further or more conditions if so warranted by subsequent developments. The CTE will automatically become invalid, if there is any changes, modification, alteration, expansion or deviation made in actual practice.
2. “CONSENT TO ESTABLISH” will be valid till the date of commissioning of the unit or seven (7) years whichever is earlier.
3. The CTE may be modified, suspended in whole or in part or withdrawn by the Board during its term for cause including, but not limited to the following:-
  - a) Violation of any Terms and Conditions of this CTE;
  - b) Obtaining the CTE by misrepresentation or failure to disclose fully all relevant facts;
  - c) If any genuine complaint received;
4. The unit shall obtain prior ‘Consent to Establish’ from the Board for any expansion, alteration, modification of the project,
5. **The project proponent must develop a greenbelt/plantation area with native trees covering atleast 33% of the total plot area.**
6. **The project authority should install a Display Board as per the Boards notification No. PCBA/LGL-95/2021/Notification/01 dtd.11.11.2021 (Annexure-A).**
7. As per the provisions of the Water (Prevention and Control of Pollution) Act, 1974 as amended and the Air (Prevention and Control of Pollution) Act, 1981, as amended, any Officer, empowered by the Board on its behalf shall have without interruption, the right at any reasonable time to enter the unit for inspection, collection of sample for analysis and may call for any information as deemed necessary. Denial of this right will cause withdrawal of the Consent Order.

*m/s 43*

Contd...p/2



8. Proper housekeeping shall be maintained. Burning of any waste inside the unit premises is strictly prohibited.
9. The project authority shall not operate the unit before obtaining "Consent to Operate" from the Board.

**Specific Conditions:**

**A) Air Aspects:**

1. The industry shall install the screening machine, with proper enclosure and dust extraction and treatment mechanism.
2. The following air pollution control measures shall be implemented by the project authority to control source emission and fugitive emission:
  - a. Dust containment cum suppression system at Raw Material Feed Hopper, all material transfer & dropping points.
  - b. Construction of the metallic roads within the premises.
  - c. Regular cleaning and wetting of ground within the premises.
3. The industry shall comply with the Noise Level Standard notified by MoEF&CC, Govt. of India, vide GSR.7; dtd: 22/12/1998 as mentioned below:

Limit in dB (A) Leq	
Day Time (6:00AM-10:00PM)	Night Time (10:00PM-6:00AM)
75	70

4. The Ambient Air Quality within the Plant premises shall be maintained within the National Ambient Air Quality Standards as notified by MoEF&CC, Govt. of India, vide G.S.R.826(E) dtd.18.11.2009, especially w.r.t. PM<sub>2.5</sub> & PM<sub>10</sub>, as mentioned herein under:

Sl. No.	Pollutant	Time Weighted Average	Concentration in Ambient Air	
			Industrial, Residential, Rural & Other Area	Ecologically Sensitive Area (notified by Central Government)
1.	Particulate Matter (size less than 10µg) or PM <sub>10</sub> (µg/m <sup>3</sup> )	Annual* 24 hours**	60 100	60 100
2.	Particulate Matter (size less than 2.5µg) or PM <sub>2.5</sub> (µg/m <sup>3</sup> )	Annual* 24 hours**	40 60	40 60

**B) Water Aspects:**

1. Source of Water : Surface water
2. i) Water consumption : 200.0 KLD
- ii) Effluent generation : Nil KLD
- iii) Effluent recycled : Nil
- iv) NOC from CGWA : Not obtained
- v) Capacity of ETP : No ETP
3. Exemption NOC/Permission of the Central Ground Water Authority shall be obtained for extraction of Ground Water, if applicable.
4. Storm Water Aspect:
  - a) Storm water shall not be allowed to mix with effluent and/or floor washings.
  - b) Storm water within the battery limits of the unit shall be channelized through separate drain/pipe passing through an Oil & Grease Trap cum Sedimentation Tank.

11/3/13 43

Contd...p/3

- c) Storm water discharge shall meet with general effluent discharge parameters standard, notified by MoEF & CC, GOI vide **G.S.R.422 (E); dated 31.12.1993 (Appendix - B)**.
5. Rain water harvesting facility shall be installed and maintained.



**C) Solid Waste Aspects:**

1. Adequate facility should be created for collection, storage, transportation, treatment & disposal of non-hazardous industrial solid waste generated from the Industry.
2. Adequate system should be adopted on reduction of waste generation and enhancement of re-utilization & recycling of waste materials.
3. The unit shall strictly comply with all the provisions of the **Solid Waste Management Rules, 2016**.

**D) Plastic Waste Aspects:**

1. Plastic waste generated in the unit shall be disposed of scientifically as per the provisions of the Plastic Waste Management Rules, 2016.
2. The unit shall submit a report on generation and disposal of Plastic Wastes within June every year.

**E) E-Waste Aspects:**

1. Electronic wastes generated in the unit shall be disposed of as per the provisions of **E-Waste Management Rules, 2016**.
2. The unit shall submit the Annual Report in the Form-III within 30<sup>th</sup> June every year.

**F) Hazardous Waste Aspects:**

1. **Authorization under Hazardous & Other Wastes (Management & Trans-boundary Movement) Rules, 2016 shall be obtained from the Pollution Control Board, Assam.**
2. The project authorities shall comply with the provisions of the said Rules.
3. Adequate facility shall be provided for collection and storage of used/spent oil, which shall be sent to registered recyclers for recycling.
4. The unit shall dispose of any other Hazardous Waste generated by the unit as per the provisions of the Rules.
5. The unit shall identify and quantify all streams of Hazardous Waste generation as per Schedule-I and maintain proper record in Form-III of the said Rules.
6. The unit should submit annual return in Form-IV under the said rules on or before 30<sup>th</sup> June every year.

The unit shall submit compliance report of the mandated conditions of this CTE by **April 15, every year to the Member Secretary, PCBA as well as to Regional Office, Silchar. The Board will have the liberty to withdraw the CTE if adequate pollution control and safety measures are not taken.**

Sd/-  
(Shantanu Kr. Dutta)  
Member Secretary

Dated Guwahati, the 23<sup>rd</sup> June, 2022

Memo No. WB/SLC/T-1191/21-22/24 -A. *8/6*  
Copy to:

- ✓ 1. M/s Larsen & Toubro Ltd. (Batching Plant), Lower Kopili Hydro Electric Power Project, Vill: Longku, P.O. Umrangso, Dist. Dima Hasao, Assam-788931 – for information & compliance of conditions.

*23/6/22*  
(Shantanu Kr. Dutta)  
Member Secretary

Annexure 6 : Monitoring reports



**TESTREPORT**

**AMBIENT AIR ANALYSIS REPORT**

Rep.No. AAAR\_1503163\_01\_543

Sample ID: EETNE/MAR/17(1)/22

Issued to : M/s. Lower Kopili HEP Project, Lanku, Dist.-

**NABL ACCREDITED**

Date: 31/03/2022

ULR NO.: TC766921000000646P

Dima Hasao, Assam.

Sample Drawn By : UTPAL BEZBARUAH  
 Sampling Plan & Procedure : EETNE/SOP/01  
 Analysis Duration : 21/03/22 TO 24/03/22, 22/03/22 TO 25/03/22, 23/03/22 TO 26/03/22  
 24/03/22 TO 27/03/22, 25/03/22 TO 28/03/22  
 26/03/22 TO 29/03/22, 27/03/22 TO 30/03/22, 28/03/22 TO 31/03/22  
 Sampling Instrument Used : AMBIENT AIR SAMPLER/RDS  
 Pollution Control Device, if any : NO

SL. NO.	DATE OF SAMPLING	LOCATION / SOURCE	WEATHER	PARAMETERS				
				PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )	HC (mg/m <sup>3</sup> )	CO (mg/m <sup>3</sup> )
i)	21/03/22	Power Inlet / Dam Site	Clear	33.1	19.3	12.1	BDL	BDL
ii)	22/03/22	Crusher Site		38.1	24.2	14.1	0.03	0.04
iii)	23/03/22	Adit to HRT		39.1	20.1	11.3	BDL	BDL
iv)	24/03/22	Primary Hospital Near APGCL Camp		34.2	20.2	12.4	BDL	BDL
v)	25/03/22	Batching plant		35.6	22.7	15.2	BDL	BDL
vi)	26/03/22	Surge Shaft Site		37.3	20.3	13.6	BDL	BDL
vii)	27/03/22	Labour & Staff Camp		30.2	17.2	10.3	BDL	BDL
viii)	28/03/22	Power house		37.1	20.3	9.1	BDL	BDL

Remarks: - Sampling were done within the annual based.

**NATIONAL AMBIENT AIR QUALITY STANDARDS:**

Sl. No.	Pollutant	Test Method	Time Weighted Average	Concentration in Ambient Air	
				Industrial, Rural and Other Area	Residential Area
1	Particulate Matter (PM <sub>10</sub> ), µg/m <sup>3</sup>	IS:5182 Part-XXIII/CPCB	Annual	60	
			24 hours		100
2	Particulate Matter (PM <sub>2.5</sub> ), µg/m <sup>3</sup>	EETNE/SOP/01/2017	Annual	40	
			24 hours		60
3	Nitrogen Dioxide (NO <sub>2</sub> ), µg/m <sup>3</sup>	IS:5182 Part-VI/CPCB	Annual	40	
			24 hours		80
4	Carbon Monoxide (CO), mg/m <sup>3</sup>		8 Hours		2.0

For Envision Enviro Technologies North East, Guwahati

*Utpal*  
**Utpal Bezbaruah**  
 (Environmental Chemist)

*Pranita*  
**Dr. Pranita Chakraborty**  
 Authorized by (Quality Manager)

Note: i) Tests undertaken twice a week in each location.  
 ii) The results relate only to the parameters tested.  
 iii) The test report shall not be reproduced except in full, without written approval of laboratory.



Recognized by Pollution Control Board, Assam

**TEST REPORT**

**AMBIENT NOISE LEVEL MEASUREMENT REPORT**

Rep.No. ANLMR\_1503163\_06A\_544  
 Sample ID: EETNE/MAR/17(1)/22

Date: 31/03/2022  
 ULR NO.: TC766921000000646P

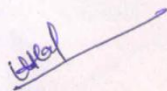
Issued to : M/s. Lower Kopili HEP Project, Lanku, Dist.- Dima Hasao, Assam.

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	NOISE LEVEL in dB(A)Leq
			Day Time (6:00 am to 10:00 pm)
i)	22/03/22	Power Inlet / Dam Site	48.3
ii)	23/03/22	Crusher Site	55.3
iii)	24/03/22	Adit to HRT	51.2
iv)	25/03/22	Primary Hospital Near APGCL Camp	56.1
v)	26/03/22	Batching plant	50.3
vi)	27/03/22	Surge Shaft Site	47.2
vii)	28/03/22	Labour & Staff Camp	51.2
viii)	29/03/22	Power house	55.2


Remarks: Noise level is carried out during 75% of the Day Time.  
 Method of analysis : CPCB July 2015 guideline.  
 Sampling Instrument Used : Lutron SL-4033SD, HTC SL 1350

Area Code	Category of area	Limits in dB(A) Leq	
		Day (6:00 am to 10:00 pm)	Night (10:00 pm to 6:00 am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

**Ambient Noise Standards:**

  
**Utpal Bezbaruah**  
 (Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati

  
**Dr. Pranita Chakraborty**  
 Authorized by (Quality Manager)

Note: i) The results relate only to the parameters tested.  
 ii) The test report shall not be reproduced except in full, without written approval of laboratory.  
 iii) Monitoring is performed twice a week in each location.





NABL ACCREDITED

Recognized by Pollution Control Board, Assam

**TEST REPORT:**

Report No: 220407\_1503163\_0  
 ULR No:TC766922000000072P  
 Sample ID No: EETNE/March/21/22/D  
 Test Starting Date: 30/03/22

Date of Report: 07/04/22  
 Date of sample receipt: 30/03/22  
 Test completion Date: 07/04/22

Name & Address of Client	M/s. Lower Kopili Project. Near Lanka, Dist: Dima Hasao.					
Sample Description	Type: Surface Water(1 km U/S of dam site)				Source: Kopili River	
Sample collected by	M/s. En-vision Enviro Technologies North East					
Sample Collection Particulars	Date 29/03/2022	Time 3:20 P.M	Temperature 28°C	p <sup>H</sup> 7.1	Quantity Drawn:4L	Sampling Method: EETNE/SOP/02

Sl No.	Parameters	Unit	Result	Reference Method
1	p <sup>H</sup>	---	7.39	APHA 23 <sup>rd</sup> Edition,4500 H <sup>+</sup> ,Page:4-95
2	Turbidity	NTU	2.28	APHA 23 <sup>rd</sup> Edition,2130,Page:2-13
3	TDS	mg/L	31.4	APHA 23 <sup>rd</sup> Edition,2540 C, Page :2-69
4	TSS	mg/L	85.3	APHA 23 <sup>rd</sup> Edition,2540,Page:2-70
5	Oil and GREASE	mg/L	<5	APHA 23 <sup>rd</sup> Edition,5520 B,Page:5-42
6	Dissolved Oxygen	mg/L	7.3	APHA 23 <sup>rd</sup> Edition,4500-O C,Page:4-146
7	Total hardness	mg/L	75.9	APHA 23 <sup>rd</sup> Edition,2340 B,Page:2-48
8	Calcium	mg/L	33.6	APHA 23 <sup>rd</sup> Edition,3500-Ca B,Page:3-69
9	Magnesium	mg/L	16.5	APHA 23 <sup>rd</sup> Edition,3500-Mg B,Page:3-86
10	Total Alkalinity	mg/L	32.7	APHA 23 <sup>rd</sup> Edition,2320,Page:2-37
11	Chloride	mg/L	14.3	APHA 23 <sup>rd</sup> Edition,4500-Cl <sup>-</sup> B,Page:4-75
12	Sulphate	mg/L	10.6	APHA 23 <sup>rd</sup> Edition,4500-SO <sub>4</sub> <sup>2-</sup> E,Page:4-199
13	Nitrates	mg/L	2.9	APHA 23 <sup>rd</sup> Edition,4500-NO <sub>3</sub> <sup>-</sup> B,Page:4-127
14	Phosphate	mg/L	<0.02	APHA 23 <sup>rd</sup> Edition,4500-P,Page:4-163
15	Salinity	%	0.3	APHA 23 <sup>rd</sup> Edition,2520B,Page:2-60
16	conductivity	µS/cm	82.5	APHA 23 <sup>rd</sup> Edition,2520B,Page:2-60



Page 1 of 2

House No. 6, 1st Floor, Sankardev Path, Pub-Sarania, Chandmari, Guwahati-781003, Assam.

Phone : +91 8811096201 ♦ e-mail : envisionghy@gmail.com



Recognized by Pollution Control Board, Assam

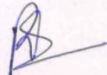
Sample ID No: EETNE/March/21/22/D  
 Test Starting Date: 30/03/22

Date of sample receipt: 30/03/22  
 Test completion Date: 07/04/22

SI No.	Parameters	Unit	Result	Reference Method
17	Arsenic	mg/L	BDL	APHA 23 <sup>rd</sup> Edition,3114A,Page:3-36
18	Iron(as Fe)	mg/L	0.65	APHA 23 <sup>rd</sup> Edition,3500-Fe B,Page:3-80
19	Total Coliform	MPN/100ml	5	APHA 23 <sup>rd</sup> Edition,9222B,Page:9-81
20	Fecal Coliform	MPN/100ml	Nil	APHA 23 <sup>rd</sup> Edition,9222 D,Page:9-89
21	BOD	mg/L	3	APHA 23 <sup>rd</sup> Edition,5210B,Page:5-6
22	COD	mg/L	19	APHA 23 <sup>rd</sup> Edition,5220 b,Page:5-18

For Envision Enviro Technologies North East, Guwahati



  
**Rimpi sarma**  
 Environmental Chemist  
 Test Done By

**Dr. Pranita Chakraborty**  
 Quality Manager  
 Authorized Signatory

Note: i) The results relate only to the parameters tested.  
 ii) The test report shall not be reproduced except in full, without written approval of laboratory.

End of report



**NABL ACCREDITED**

Recognized by Pollution Control Board, Assam

**TEST REPORT:**

Report No: 220407\_1503163\_0  
 ULR No:TC76692200000080P  
 Sample ID No: EETNE/March/22/22/D  
 Test Starting Date: 30/03/22

Date of Report: 07/04/22  
 Date of sample receipt:30/03/22  
 Test completion Date: 07/04/22

Name & Address of Client	M/s. Lower Kopili Project. Near Lanka, Dist: Dima Hasao.					
Sample Description	Type: Surface Water (1 km D/S of dam site)				Source: Kopili River	
Sample collected by	M/s. En-vision Enviro Technologies North East					
Sample Collection Particulars	Date 29/03/2022	Time 3:50 P.M	Temperature 27°C	p <sup>H</sup> 7.00	Quantity Drawn: 4 Lt	Sampling Method: EETNE/SOP/02

Sl No.	Parameters	Unit	Result	Reference Method
1	p <sup>H</sup>	---	7.28	APHA 23 <sup>rd</sup> Edition,4500 H <sup>+</sup> ,Page:4-95
2	Turbidity	NTU	1.95	APHA 23 <sup>rd</sup> Edition,2130,Page:2-13
3	TDS	mg/L	27.7	APHA 23 <sup>rd</sup> Edition,2540 C, Page :2-69
4	TSS	mg/L	86.2	APHA 23 <sup>rd</sup> Edition,2540,Page:2-70
5	Oil and Grease	mg/L	<5	APHA 23 <sup>rd</sup> Edition,5520 B,Page:5-42
6	Dissolved Oxygen	mg/L	6.9	APHA 23 <sup>rd</sup> Edition,4500-O C,Page:4-146
7	Total hardness	mg/L	72.4	APHA 23 <sup>rd</sup> Edition,2340 B,Page:2-48
8	Calcium	mg/L	35.6	APHA 23 <sup>rd</sup> Edition,3500-Ca B,Page:3-69
9	Magnesium	mg/L	18.5	APHA 23 <sup>rd</sup> Edition,3500-Mg B,Page:3-86
10	Total Alkalinity	mg/L	44.6	APHA 23 <sup>rd</sup> Edition,2320,Page:2-37
11	Chloride	mg/L	13.8	APHA 23 <sup>rd</sup> Edition,4500-Cl <sup>-</sup> B,Page:4-75
12	Sulphate	mg/L	11.2	APHA 23 <sup>rd</sup> Edition,4500-SO <sub>4</sub> <sup>2-</sup> E,Page:4-199
13	Nitrates	mg/L	2.6	APHA 23 <sup>rd</sup> Edition,4500-NO <sub>3</sub> <sup>-</sup> B,Page:4-127
14	Phosphate	mg/L	<0.02	APHA 23 <sup>rd</sup> Edition,4500-P,Page:4-163
15	Salinity	%	0.5	APHA 23 <sup>rd</sup> Edition,2520B,Page:2-60
16	conductivity	μS/cm	83.1	APHA 23 <sup>rd</sup> Edition,2520B,Page:2-60



Page 1 of 2

House No. 6, 1st Floor, Sankardev Path, Pub-Sarania, Chandmari, Guwahati-781003, Assam.

Phone : +91 8811096201 ♦ e-mail : envisionghy@gmail.com

Recognized by Pollution Control Board, Assam


Sample ID No: EETNE/March/22/22/D  
 Test Starting Date: 30/03/22

Date of sample receipt: 30/03/22  
 Test completion Date: 07/04/22

SI No.	Parameters	Unit	Result	Reference Method
17	Arsenic	mg/L	BDL	APHA 23 <sup>rd</sup> Edition,3114A,Page:3-36
18	Iron(as Fe)	mg/L	0.91	APHA 23 <sup>rd</sup> Edition,3500-Fe B,Page:3-80
19	Total Coliform	MPN/100	2	APHA 23 <sup>rd</sup> Edition,9222B,Page:9-81
20	Fecal Coliform	MPN/100	Nil	APHA 23 <sup>rd</sup> Edition,9222 D,Page:9-89
21	BOD	mg/L	4	APHA 23 <sup>rd</sup> Edition,5210B,Page:5-6
22	COD	mg/L	22	APHA 23 <sup>rd</sup> Edition,5220 b,Page:5-18

For Envision Enviro Technologies North East, Guwahati



  
**Rimpi Sarma**  
 Environmental Chemist  
 Test Done By

**Dr. Pranita Chakraborty**  
 Quality Manager  
 Authorized Signatory

Note: i) The results relate only to the parameters tested.  
 ii) The test report shall not be reproduced except in full, without written approval of laboratory

End of report

Page 2 of 2



NABL ACCREDITED

Recognized by Pollution Control Board, Assam

**TEST REPORT:**

Report No: 220407\_1503163\_0  
 ULR No: TC766922000000081P  
 Sample ID No: EETNE/March/23/22/D  
 Test Starting Date: 30/03/22

Date of Report: 07/04/22  
 Date of sample receipt: 30/03/22  
 Test completion Date: 07/04/22

Name & Address of Client	M/s. Lower Kopili Project. Near Lanka, Dist: Dima Hasao.					
Sample Description	Type: Surface Water (3 km D/S of dam site)				Source: Kopili River	
Sample collected by	M/s. En-vision Enviro Technologies North East					
Sample Collection Particulars	Date 29/03/2022	Time 4:20 P.M	Temperature 27°C	p <sup>H</sup> 7.2	Quantity Drawn:4L	Sampling Method: EETNE/SOP/02

Sl No.	Parameters	Unit	Result	Reference Method
1	p <sup>H</sup>	---	7.17	APHA 23 <sup>rd</sup> Edition,4500 H <sup>+</sup> ,Page:4-95
2	Turbidity	NTU	1.86	APHA 23 <sup>rd</sup> Edition,2130,Page:2-13
3	TDS	mg/L	32.9	APHA 23 <sup>rd</sup> Edition,2540 C, Page :2-69
4	TSS	mg/L	82.4	APHA 23 <sup>rd</sup> Edition,2540,Page:2-70
5	Oil and Grease	mg/L	<5	APHA 23 <sup>rd</sup> Edition,5520 B,Page:5-42
6	Dissolved Oxygen	mg/L	7.5	APHA 23 <sup>rd</sup> Edition,4500-O C,Page:4-146
7	Total hardness	mg/L	68.7	APHA 23 <sup>rd</sup> Edition,2340 B,Page:2-48
8	Calcium	mg/L	34.3	APHA 23 <sup>rd</sup> Edition,3500-Ca B,Page:3-69
9	Magnesium	mg/L	16.9	APHA 23 <sup>rd</sup> Edition,3500-Mg B,Page:3-86
10	Total Alkalinity	mg/L	38.5	APHA 23 <sup>rd</sup> Edition,2320,Page:2-37
11	Sulphate	mg/L	17.2	APHA 23 <sup>rd</sup> Edition,4500-SO <sub>4</sub> <sup>2-</sup> E,Page:4-199
12	Nitrates	mg/L	12.3	APHA 23 <sup>rd</sup> Edition,4500-NO <sub>3</sub> <sup>-</sup> B,Page:4-127
13	Phosphate	mg/L	<0.02	APHA 23 <sup>rd</sup> Edition,4500-P,Page:4-163
14	Salinity	%	0.5	APHA 23 <sup>rd</sup> Edition,2520B,Page:2-60
15	Conductivity	µS/cm	84.7	APHA 23 <sup>rd</sup> Edition,2520B,Page:2-60



Page 1 of 2

House No. 6, 1st Floor, Sankardev Path, Pub-Sarania, Chandmari, Guwahati-781003, Assam.

Phone : +91 8811096201 ♦ e-mail : envisionghy@gmail.com




Recognized by Pollution Control Board, Assam

Sample ID No: EETNE/March/23/22/D  
Test Starting Date: 20/12/21Date of sample receipt: 20/12/21  
Test completion Date: 29/12/21

Sl No.	Parameters	Unit	Result	Reference Method
16	Chloride	mg/L	18.5	APHA 23 <sup>rd</sup> Edition,4500-Cl <sup>-</sup> B,Page:4-75
17	Arsenic	mg/L	BDL	APHA 23 <sup>rd</sup> Edition,3114A,Page:3-36
18	Iron(as Fe)	mg/L	1.2	APHA 23 <sup>rd</sup> Edition,3500-Fe B,Page:3-80
19	Total Coliform	MPN/100	5	APHA 23 <sup>rd</sup> Edition,9222B,Page:9-81
20	Fecal Coliform	MPN/100	Nil	APHA 23 <sup>rd</sup> Edition,9222 D,Page:9-89
21	BOD	mg/L	5	APHA 23 <sup>rd</sup> Edition,5210B,Page:5-6
22	COD	mg/L	43	APHA 23 <sup>rd</sup> Edition,5220 b,Page:5-18

For Envision Enviro Technologies North East, Guwahati

  
Rimpi Sarma  
Environmental Chemist  
Test Done ByDr. Pranita Chakraborty  
Quality Manager  
Authorized Signatory

Note: i) The results relate only to the parameters tested.  
ii) The test report shall not be reproduced except in full, without written approval of laboratory

End of report

Page 2 of 2



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Recognized by Pollution Control Board, Assam

**TEST REPORT:**

Report No: 220407\_1503163\_0  
 ULR No:TC76692200000082P  
 Sample ID No: EETNE/March/24/22/D  
 Test Starting Date: 30/03/22

Date of Report: 07/04/22  
 Date of sample receipt: 30/03/22  
 Test completion Date: 07/04/22

Name & Address of Client	M/s. Lower Kopili Project. Near Lanka, Dist: Dima Hasao.					
Sample Description	Type: Surface Water (8 km D/S of dam site)				Source: Kopili River	
Sample collected by	M/s. En-vision Enviro Technologies North East					
Sample Collection Particulars	Date 17/12/2021	Time 5:10 P.M	Temperature 26°C	p <sup>H</sup> 7.00	Quantity Drawn:4L	Sampling Method: EETNE/SOP/02

Sl No.	Parameters	Unit	Result	Reference Method
1	p <sup>H</sup>	---	7.11	APHA 23 <sup>rd</sup> Edition,4500 H <sup>+</sup> ,Page:4-95
2	Turbidity	NTU	3.83	APHA 23 <sup>rd</sup> Edition,2130,Page:2-13
3	TDS	mg/L	35.6	APHA 23 <sup>rd</sup> Edition,2540 C, Page :2-69
4	TSS	mg/L	28.8	APHA 23 <sup>rd</sup> Edition,2540,Page:2-70
5	Oil and Grease	mg/L	<5	APHA 23 <sup>rd</sup> Edition,5520 B,Page:5-42
6	Dissolved Oxygen	mg/L	6.4	APHA 23 <sup>rd</sup> Edition,4500-O C,Page:4-146
7	Total hardness	mg/L	79.5	APHA 23 <sup>rd</sup> Edition,2340 B,Page:2-48
8	Calcium	mg/L	40.7	APHA 23 <sup>rd</sup> Edition,3500-Ca B,Page:3-69
9	Magnesium	mg/L	18.2	APHA 23 <sup>rd</sup> Edition,3500-Mg B,Page:3-86
10	Total Alkalinity	mg/L	112.8	APHA 23 <sup>rd</sup> Edition,2320,Page:2-37
11	Sulphate	mg/L	16.4	APHA 23 <sup>rd</sup> Edition,4500-SO <sub>4</sub> <sup>2-</sup> E,Page:4-199
12	Nitrates	mg/L	5.1	APHA 23 <sup>rd</sup> Edition,4500-NO <sub>3</sub> <sup>-</sup> B,Page:4-127
13	Phosphate	mg/L	BDL	APHA 23 <sup>rd</sup> Edition,4500-P,Page:4-163
14	Salinity	%	0.3	APHA 23 <sup>rd</sup> Edition,2520B,Page:2-60
15	Conductivity	µS/cm	85.7	APHA 23 <sup>rd</sup> Edition,2520B,Page:2-60



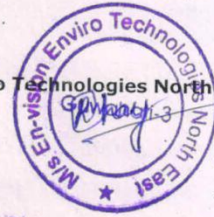
Recognized by Pollution Control Board, Assam


Sample ID No: EETNE/March/24/22/D  
 Test Starting Date: 30/03/22

Date of sample receipt: 30/03/22  
 Test completion Date: 07/04/22

SI No.	Parameters	Unit	Result	Reference Method
16	Chloride	mg/L	15.2	APHA 23 <sup>rd</sup> Edition, 4500-Cl <sup>-</sup> B, Page: 4-75
17	Arsenic	mg/L	<0.001	APHA 23 <sup>rd</sup> Edition, 3114A, Page: 3-36
18	Iron(as Fe)	mg/L	1.8	APHA 23 <sup>rd</sup> Edition, 3500-Fe B, Page: 3-80
19	Total Coliform	MPN/100	3	APHA 23 <sup>rd</sup> Edition, 9222B, Page: 9-81
20	Fecal Coliform	MPN/100	Nil	APHA 23 <sup>rd</sup> Edition, 9222 D, Page: 9-89
21	BOD	mg/L	5	APHA 23 <sup>rd</sup> Edition, 5210B, Page: 5-6
22	COD	mg/L	54	APHA 23 <sup>rd</sup> Edition, 5220 b, Page: 5-18

For Envision Enviro Technologies North East, Guwahati



  
**Rimpi Sarma**  
 Environmental Chemist  
 Test Done By

**Dr. Pranita Chakraborty**  
 Quality Manager  
 Authorized Signatory

Note: i) The results relate only to the parameters tested.  
 ii) The test report shall not be reproduced except in full, without written approval of laboratory

End of report





Recognized by Pollution Control Board, Assam

**TEST REPORT:**

Report No: 220407\_1503163\_0  
 ULR No:TC766922000000078P  
 Sample ID No: EETNE/March/20/22/D  
 Test Starting Date: 30/03/22

Date of Report: 07/04/22  
 Date of sample receipt: 30/03/22  
 Test completion Date: 07/04/22

Name & Address of Client	M/s. Lower Kopili Project. Near Lanka, Dist: Dima Hasao.					
Sample Description	Type: Surface Water				Source: Submergence area Dam Site	
Sample collected by	M/s. En-vision Enviro Technologies North East					
Sample Collection Particulars	Date 29/03/2022	Time 2:50 P.M	Temperature 28°C	p <sup>H</sup> 7.00	Quantity Drawn:4L	Sampling Method: EETNE/SOP/02

SI No.	Parameters	Unit	Result	Reference Method
1	p <sup>H</sup>	---	7.41	APHA 23 <sup>rd</sup> Edition,4500 H <sup>+</sup> ,Page:4-95
2	Turbidity	NTU	1.72	APHA 23 <sup>rd</sup> Edition,2130,Page:2-13
3	TDS	mg/L	38.4	APHA 23 <sup>rd</sup> Edition,2540 C, Page :2-69
4	TSS	mg/L	26.7	APHA 23 <sup>rd</sup> Edition,2540,Page:2-70
5	Oil and GREASE	mg/L	<5	APHA 23 <sup>rd</sup> Edition,5520 B,Page:5-42
6	Dissolved Oxygen	mg/L	7.3	APHA 23 <sup>rd</sup> Edition,4500-O C,Page:4-146
7	Total hardness	mg/L	69.2	APHA 23 <sup>rd</sup> Edition,2340 B,Page:2-48
8	Calcium	mg/L	35.8	APHA 23 <sup>rd</sup> Edition,3500-Ca B,Page:3-69
9	Magnesium	mg/L	17.5	APHA 23 <sup>rd</sup> Edition,3500-Mg B,Page:3-86
10	Total Alkalinity	mg/L	85.3	APHA 23 <sup>rd</sup> Edition,2320,Page:2-37
11	Sulphate	mg/L	9.6	APHA 23 <sup>rd</sup> Edition,4500-SO <sub>4</sub> <sup>2-</sup> E,Page:4-199
12	Nitrates	mg/L	5.1	APHA 23 <sup>rd</sup> Edition,4500-NO <sub>3</sub> <sup>-</sup> B,Page:4-127
13	Phosphate	mg/L	<0.02	APHA 23 <sup>rd</sup> Edition,4500-P,Page:4-163
14	Salinity	%	0.6	APHA 23 <sup>rd</sup> Edition,2520B,Page:2-60
15	conductivity	μS/cm	93.4	APHA 23 <sup>rd</sup> Edition,2520B,Page:2-60




Recognized by Pollution Control Board, Assam

Sample ID No: EETNE/March/20/22/D  
 Test Starting Date: 30/03/22

Date of sample receipt: 30/03/22  
 Test completion Date: 07/04/22

SI No.	Parameters	Unit	Result	Reference Method
16	Chloride	mg/L	17.6	APHA 23 <sup>rd</sup> Edition,4500-Cl <sup>-</sup> B,Page:4-75
17	Arsenic	mg/L	<0.001	APHA 23 <sup>rd</sup> Edition,3114A,Page:3-36
18	Iron(as Fe)	mg/L	0.86	APHA 23 <sup>rd</sup> Edition,3500-Fe B,Page:3-80
19	Total Coliform	MPN/100ml	5	APHA 23 <sup>rd</sup> Edition,9222B,Page:9-81
20	Fecal Coliform	MPN/100ml	Nil	APHA 23 <sup>rd</sup> Edition,9222 D,Page:9-89
21	BOD	mg/L	<2	APHA 23 <sup>rd</sup> Edition,5210B,Page:5-6
22	COD	mg/L	<5	APHA 23 <sup>rd</sup> Edition,5220 b,Page:5-18

For Envision Enviro Technologies North East, Guwahati

  
**Rimpi sarma**  
 Environmental Chemist  
 Test Done By

  
**Dr. Pranita Chakraborty**  
 Quality Manager  
 Authorized Signatory

Note: i) The results relate only to the parameters tested.  
 ii) The test report shall not be reproduced except in full, without written approval of laboratory

End of report

Page 2 of 2

**Minutes of the Meeting of 1<sup>st</sup> Multi Disciplinary Committee (MDC) in respect of 120 MW Lower Kopili Hydro Electric Project (LKHEP) in the districts of Dima Hasao and Karbi Anglong, Assam held on 6<sup>th</sup> May, 2022 at Conference Hall (3<sup>rd</sup> Floor), Bijulee Bhawan, Assam Power Generation Corporation Limited, Guwahati.**

1. The Meeting of MDC of LKHEP was chaired by Shri. Mridul Saikia, Chief General Manager (PP&I), APGCL cum Project Director LKHEP. At the onset Chairman welcomed all the members present and briefed about the project and described the roles and responsibilities of the sectoral experts.
2. MoEF&CC has accorded Environmental Clearance vide No.J-12011/26/2012-IA-I. Dated 4<sup>th</sup> September, 2019 for the 120 MW Lower Kopili Hydro Electric Project (LKHEP).
3. After a brief power point presentation, it was highlighted that Environment Clearance stipulations and the compliance adhered so far. Details of the project components and the salient features of the project along with the possible impact and the mitigation plan suggested in the EMP of EIA were explained.
4. Dr. Pranab Bujarbaruah, raised query on direct forest dependency of the communities and the loss of forest cover. In reply to that APGCL explained the following.

The land acquisition for revenue land has been done through the RFCTLARR Act 2013 and ADB's safeguard policy SPS 2009. It covers all the possible social impacts and has been compensated accordingly. Over and above, APGCL has agreed to provide various components in local area development like (i) Educational facilities (ii) Healthcare facilities (iii) Construction of community toilets and (iv) Development of training/educational institute.

Against the loss of forest cover Compensatory Afforestation, Green Belt Development, Soil and Moisture conservation, Catchment Area Treatment and during the implementation Biodiversity Conservation Plan along with other conservation activities will be taken up to compensate the forest loss. As per Government norms the ratio is 1:1 but considering all the components of plantation it will come around 1:3 which is above the ADB's requirement 1:2 to achieve No net Loss on Biodiversity.

5. Dr. (Sri) C. Muthukumarvel, IFS, Chief Conservator of Forests & Nodal Officer (FC Act) enquired about the Status of the tree felling in the project impacted area and the status of Compensatory Afforestation. APGCL responded that all the trees felling are done through the respective Forest Divisions. Tree felling is not completed in the Karbi Anglong West division and felling of the trees in the reservoir area is remaining. Regarding Compensatory Afforestation, Addl. Principal Chief Conservator of Forest & Chief Executive Officer, CAMPA, Assam informed that initiation of plantation will be taken up in this financial year in both the divisions.
6. Mr. C. J. Saikia asked about the green belt development and requested to share the EIA report. APGCL explained about the plan for plantation and agreed to share the EIA report with all the experts through email.
7. The meeting ended with a vote of thanks from the chair.
8. The list of the participants is attached as ANNEXURE- 1.

## LOWER KOPILI HYDRO ELECTRIC PROJECT 120 MW

1<sup>st</sup> Multi Disciplinary Committee Meeting

Date : 06.05.2022 Venue : APGCL, Guwahati-781001

	Name	Organization	Contact Number	Email	Signature
1	M. SAIKIA	CEM APGCL	98640-17180	milapuro@yahoo.com	
2	Jh. Sachin Mohan Singh	GM (P) APGCL	9869102918	singh_sachi@rediffmail.com	
3	AKSHAY TALUKDAR	DGM (PPEI), APGCL	9435139416	akstallk13@gmail.com	
4	Pr. Amarendra Singh	DGM (PPEI) (C) APGCL	9365533072	amarundrasshyaman@gmail.com	
5	DR PRANAB BUIJARBARUA	Asstt. Professor Dept. of Botany Hemidurgu College	9435100597	pbujarbarua@gmail.com	
6	C. J. SAIKIA	Soil Conservation Deptt. Joint Director, Hooper Asan Circle.	9435381443	csaikia1@gmail.com	
7	Deepak Ks Baruah	Environment- Expert. APGCL	9435113521	deepakbaruah007@gmail.com	


	Name	Organization	Contact Number	Email	Signature
8	Sangram Singh	AFRY India Pvt Ltd.	9990432700	sangram.singh@afry.com	
9	Gurjant Kumar	APGCL	7399929917	gurjantkumar@live.com	
10	Mainmoy Jyoti Pandit	APGCL	98641-50847	mainmoy.pandit@apgcl.org	
11	Pankaj Ks Hazarika	APGCL	86386-51918	hazarika072@gmail.com	
12	Mitul Das	APGCL	9859259477	dasmitul18@gmail.com	
13	Dr. Jayanta Das	PMC, AFRY	9435406966	jayanta.das@afay.com	
14	Dr. (Sri) C. Muthukumavel, IFS	Chief Conservator of Forests & Nodal Officer (FC Act)	9435500123	addlpccl.nodal@gmail.com	Attended virtually



Annexure 8 EC Disclosure (supporting Documents)

104  
22/11/19

③  
AGM(c) PMU-LK  
Discern  
llcr  
22-11-19

  
GOVERNMENT OF ASSAM  
OFFICE OF THE DISTRICT MAGISTRATE::KARBI ANGLONG DISTRICT::DIPHU

SI No.036711-27225101/272255 08  
Fax No.036711-272863  
E-mail : [dc.karbianglong@assam.nic.in](mailto:dc.karbianglong@assam.nic.in)  
PG-Diphu, Pin-782460

No.KADC/FR Act/2019/36  
Dated Diphu, the 29<sup>th</sup> October<sup>th</sup> 2019

To,  
The Deputy Commissioner,  
Dist- West Karbi Anglong, Hamren.

Matter discussed with PD.(PMU),  
B. Hazarika, JMCL)  
Pl. file  
25/11/2019

Sub : Lower Kopili H.E. Project- Environment clearance regarding.

Ref : No.APGCL/CGM(H)/W/2007/140/Pt-VI/29, dated 15/10/2019

In inviting a reference to the subject cited above, I have the honour to forward herewith a copy of letter alongwith enclosures received vide letter no. as referred above from the Project Director, Lower Kopili H.E. Project, APGCL, Bijulee Bhawan, Paltanbazar, Guwahati which is self explanatory regarding disply of Environment Clearance on the Lower Kopili H.E. Project in the Office premises.

This is for favour of kind information and necessary action.

Yours faithfully,


Enclo: As above- 10 (ten) sheets.

Addl. Deputy Commissioner,  
Karbi Anglong, Diphu.

Memo No.KADC/FR Act/2019/36-A  
Dated Diphu, the 29<sup>th</sup> October<sup>th</sup> 2019

Copy to:

1. The Project Director, Lower Kopili H.E. Project, APGCL, Bijulee Bhawan, 3<sup>rd</sup> Floor, Paltanbazar, Guwahati-01 for information. As per your letter referred above, the same is displayed in the Notice Board of the Office premises of office of Deputy Commissioner, K/ Anglong, Diphu.
2. C.A. to D.C. for kind appraisal of the Deputy Commissioner, K/ Anglong, Diphu.

  
Addl. Deputy Commissioner,  
Karbi Anglong, Diphu

WEDNESDAY, OCTOBER 16, 2019

THE ASSAM TRIBUNE, GUWAHATI 7

**ASSAM POWER GENERATION CORPORATION LIMITED**

**NOTICE**

It is hereby informed to the general public that Ministry of Environment, Forest and Climate Change, Govt. of India has accorded Environment Clearance for the Lower Kopili Hydro Electric Project (120 MW) in Dima Hasao District and Karbi Anglong districts of Assam vide letter No. J-12011/26/2012-IA-I dated 4<sup>th</sup> September, 2019.  
The copy of the EC is available in APGCL website i.e. [www.apgcl.org](http://www.apgcl.org)  
Project Director (PMU), LKHEP, APGCL

LA/2019/889

গুৱাহাটী, বুধবাৰ, ২৮ অক্টোবৰ, ২০১৯ সপ্ত

— দৈনিক জনমভূমি —

দেৱ-বিদেৱ বাণিজ্য

Guwahati, Wednesday, October 16, 2019

৭

**ASSAM POWER GENERATION CORPORATION LIMITED**

**NOTICE**

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The copy of the EC is available in APGCL website i.e. [www.apgcl.org](http://www.apgcl.org)  
Project Director (PMU), LKHEP, APGCL