



# Environmental Monitoring Report

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## PUBLIC

Semestral Report: August 2023 – January 2024  
June 2024

## India: Assam Skill University Project

Prepared by Assam Skill Development Mission (ASDM) for the Government of Assam (GOA) and the Asian Development Bank (ADB).

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**Asian Development Bank**



## ASSAM SKILL UNIVERSITY PROJECT

Guwahati Office: 3<sup>rd</sup> Floor, DECT Office Complex, Rehabari, Guwahati – 781008

No. ASDM/ASUP/12/2022/ -B

Dated 18.03.2024

To

Mr. Praveen Manikpuri  
Senior Project Officer, ADB  
Asian Development Bank

Subject: Endorsing the Semi-Annual Environmental Monitoring report (August 23-January 24) for the Detailed Design and Construction of Assam Skill University Campus and Facilities, Construction of Boundary wall of University Campus and Establishment of Interim campus (Project no.53277)

Dear Sir,

With reference to the above, the Semi-Annual Environmental Monitoring report for the period of August 23-January 24 is submitted herewith.

We hereby express our endorsement of the Semi-Annual Environmental Monitoring report (August 23-January 24) for the Detailed Design and Construction of Assam Skill University Campus and Facilities, Construction of Boundary wall of University Campus and Upgradation of Interim campus (Project no.53277)

Yours faithfully

Deputy Project Director  
Assam Skill University Project

Memo no. ASDM/ASUP/12/2022/ -B

Dated 28.03.2024

Copy to:

1. Office copy

# Semi Annual Environmental Monitoring Report

Reporting period: August 2023 - January 2024

ADB Project Number: 53277

Loan number: 4166

SFg Log: 6011

## **India: Assam Skill University Project**

**March 2024**

Prepared by Assam Skill Development Mission (ASDM) for the Government of Assam (GOA) and the Asian Development Bank

## **ABBREVIATIONS**

ADB	- Asian Development Bank
ASDM	- Assam Skill Development Mission
ASI	- Archaeological Survey of India
ASU	- Assam Skill University
CPCB	- Central Pollution Control Board
CSQA	- Construction Supervision and Quality Assurance
DMP	- Disaster Management Plan
EA	- Executing Agency
EIA	- Environmental Impact Assessment
EMP	- Environmental Management Plan
GoA	- Government of Assam
GoI	- Government of India
GRC	- Grievance Redress Committee
GRM	- Grievance Redress Mechanism
IEE	- Initial Environment Examination
IA	- Implementing Agency
MOEFCC	- Ministry of Environment, Forest and Climate Change
PMC	- Project Management Consultant
PMU	- Project Management Unit
PSC	- Project Steering Committee
PUC	- Pollution Under Control
PWD	- Public Works Department
REA	- Rapid Environmental Assessment
SEIAA	- State Environment Impact Assessment Authority
SEED	- Skill, Employment and Entrepreneurship Department
SPS	- Safeguard Policy Statement
STP	- Sewage Treatment Plant

### **CURRENCY EQUIVALENTS**

(As of 22 March 2024)

Currency unit – Indian rupee (Rs)

Rs1.00 = \$0.012030

\$1.00 = Rs 83.12

### **WEIGHTS AND MEASURES**

$\mu\text{g}$	–	microgram
dB(A)	–	weighted decibel
km	–	kilometer
km <sup>2</sup>	–	square kilometer
m	–	meter
m <sup>2</sup>	–	square meter

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## I. INTRODUCTION

### A. Background

1. The objective of the Assam Skill University Project (ASUP) is to strengthen industry-aligned and flexible skills education and training system in Assam by developing management and operating systems, business models, faculty development and management systems for Assam Skill University (ASU); developing environmentally sustainable and climate resilient ASU campus and facilities; designing and delivering industry-aligned and flexible skills education and training programs; developing the capacity to manage and support entrepreneurship, applied research and development, and technology transfer; and improving access to professional development and skills education and training resources for technical and vocational education and training and higher education institutions in Assam, the northeastern region, and neighboring countries. The Skill, Employment and Entrepreneurship Department (SEED) of the Government of Assam (GoA) is the executing agency (EA) and Assam Skill Development Mission (ASDM) is the implementing agency (IA) of the project. ASDM has established a project management unit (PMU) to carry out day-to-day project management activities. To achieve the above-mentioned objective; it is proposed to support design and construction of a new green field ASU on 82.737 acre (250 Bigha) land (334828.083 m<sup>2</sup>) plot near Mangaldai in Darrang district. The interim campus for Assam Skill University will operate from the Government Industrial Training Institute (ITI) Guwahati. ITI Guwahati is located at A. K. Azad Road, Birubari and is well connected with various modes of transport. It has vacant workshop buildings and open land for the development of an interim campus.

### B. Project Profile

2. Location: The location of ASU under construction campus is near Mangaldai in Darrang district of Assam. The latitude and longitude of the ASU under construction campus site are given below in **Table-1**. The ASU Interim Campus site is unencumbered land owned by the government and falls in Kamrup Metropolitan district and it is planned at ITI campus at Guwahati. The Kamrup Metropolitan district geographically lies between the latitude 25° 94' 11" N and longitude 91° 28' 91" E. The location coordinates of interim campus are also given in **Table-1** below:

**Table-1: Latitude and Longitude of the ASU site**

Sl. No.	Name of Facility	Latitude	Longitude
1	Assam Skill University	26° 25' 21.36"N	92° 0' 53.93" E
2	Assam Skill University Newly added area (150 Bigha)	26° 42' 0.69" N	92° 0' 12.99" E
3	Assam Skill University Interim Campus	26° 16' 48" N	91° 74' 47" E

3. The nearest rail head to Mangaldai is Tangla at about 35 km and Rangia Junction 48 km away from the ASU site. The ASU project site is well connected to important destinations such as Guwahati, New Jalpaiguri, Rangia and Nalbari. The Interim campus site at ITI Guwahati is located at a distance of 3 km from Guwahati Railway Station, 9 km from the Guwahati Interstate Bus Terminal and 25 km from the Guwahati Airport. The project sites (main campus and interim campus) are well connected to important destinations. The distances of important destinations are given below:

**Table-2: Distances of important destinations from ASU under Construction Campus site and ASU Interim Campus**

Sl. No.	Name of Facility	Altitude (m)	District	Distance from ASU site	
1.	ASU	51.24	Darrang	Guwahati : 70 Km Airport : 72 Km Guwahati City : 107 Km Tezpur : 68 Km IIT Guwahati : 52 Km Udalguri : 43 Km Alipurduar : 303 Km Cooch Behar : 323 Km Darrang : 5 Km Barpeta : 123 Km Morigaon : 141 Km	
2.	ASU Interim Campus	55	Kamrup Metropolitan	Guwahati Station : 03 Km Airport : 25 Km Guwahati ISBT : 12 Km Tezpur : 174 Km Nalbari : 71 Km IIT Guwahati : 21 Km Udalguri : 110 Km Alipurduar : 302 Km Cooch Behar : 322 Km Darrang : 84 Km Dispur : 06 Km	

4. The Assam Skill University campus site is a vacant land in the ownership of Assam Skill University (ASU), Government of Assam in Darrang district. The Darrang district geographically lies between the latitude 20° 9' N to 26° 96' N and longitude 91° 45' E to 92° 22' E. The ASU Interim Campus site is unencumbered land owned by the government and is in the Kamrup Metro District. The Kamrup Metropolitan district geographically lies between the latitude 25.9411° N and longitude 91.2891° E.

5. Civil works for Assam Skill University project (both for interim campus and under construction campus at Mangaldoi) have been classified as Category B according to the Safeguard Policy Statement (SPS), 2009 of ADB as no significant impacts are envisioned. An Environmental Management Plan (EMP) which addresses the potential impacts and risks identified by the environmental assessment has been prepared. The level of details and complexity of the EMP and the priority of the identified measures and actions are commensurate with the Project's impact and risks. The EMP is part of bidding and contract documents to comply with ADB's SPS, 2009.

6. The ASU project has three Civil Contracts CW- 01 (Land preparation and boundary wall for ASU campus), CW- 02 (Detailed design and construction of ASU campus and facilities), CW-03 (Upgrading of ASU Interim Campus). Project overview and project progress are summarized in **Tables 3 & 4**.

**Table-3: Project Overview, Snapshot of Project Progress**

<b>Project Number and Title:</b>	Project Number: 53277 Loan: 4166-IND Title: Assam Skill University Project	
<b>Safeguards Category</b>	Environment	B
<b>Reporting period:</b>	Aug 2023-January 2024	
<b>Next report date:</b>	August 2024	
<b>Key sub-project activities</b>	<ul style="list-style-type: none"> <li>• Land preparation and boundary wall for ASU campus (CW- 01)</li> <li>• Detailed design and construction of ASU campus and facilities (CW-02)</li> <li>• Upgrading of ASU Interim Campus (CW-03)</li> </ul>	
<b>Report prepared by:</b>	PMU, assisted by PMC environmental safeguards specialist	

7. Details of project activities at the end of January 2024 are presented in Table 4.

**Table-4: Work Progress at each Sub-project**

SI. No.	CONTRACT NO.	CONTRACT NAME	CONTRACTOR	STATUS	AWARD DATE	COMPLETION DATE	% COMPLETION OF PHYSICAL WORK AS ON 31/01/2024
1.	CW- 01	Land preparation and boundary wall for ASU campus	M/s A. S. Enterprise	Work In Progress	30 <sup>th</sup> September 2021	13 Oct 2023 (extended till 16March 2024)	Foundation : 82 Superstructure: 23.9
2.	CW- 02	Detailed design and construction of ASU campus and facilities	M/s Pawan Communication Pvt. Ltd. in JV with Brahmaputra Infrastructure Ltd.	Work In Progress	2 <sup>nd</sup> November 2021	2 <sup>nd</sup> Nov 2024	23.4
3	CW-03	Upgrading of ASU Interim Campus	M/s Mechfab Engineering Industries PVT. LTD.	Mobilization Stage	6 <sup>th</sup> December 2023	15 <sup>th</sup> Mar 2024	15

8. This Semi-Annual Environment Monitoring Report presents the status of the project implementation, details of compliance with environmental regulations of the Government and policies of ADB, details of compliance with environmental loan covenants, details of complaints received and their redress and the status of compliance with various aspects of EMP.

9. Monitoring compliance with EMP is a continuous activity carried by the PMU & PMC. Guidelines on general construction EHS measures to be followed / implemented by the Contractors have been issued to the contractors on compliance with EMP have been provided. There is compilation of EMP compliance on monthly basis. This is the consolidated report on implementation of Environmental Management Plans (EMPs) of individual subprojects from August 01, 2023, to January 31, 2024, and is prepared in compliance with ADB SPS 2009 and Loan Covenants.

## II. ENVIRONMENTAL ASSESSMENT AND REVIEW PROCEDURE

### A. Environmental Legal Requirements

10. Following Regulations are currently in force in India that deals with environmental issues that could apply to infrastructure development. Acts and Rules pertaining to monuments and archeological sites are also listed herein.
- i. The Water (Prevention and Control of Pollution) Act, 1974, amended thereof.  
The Water (Prevention and Control of Pollution) Rules, 1975  
The Water (Prevention and Control of Pollution) Cess Rules, 1978
  - ii. The Air (Prevention and Control of Pollution) Act, 1981, amended 1987.  
The Air (Prevention and Control of Pollution) Rules, 1982.
  - iii. The Environmental (Protection) Act, 1986, was amended in 1991 and including the following Rules/Notification issued under this act.
    - The Environmental (Protection) Rules, 1986, including amendments.
    - The Solid Waste Management Rules, 2016
    - The Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016
    - The Bio-Medical Wastes (Management) Rules, 2016
    - Noise Pollution (Regulation and Control) Rules, 2000
    - Environmental Impact Assessment Notification, 2006 and amended thereof.
    - Environmental Standards of Central Pollution Control Board (CPCB)
  - iv. The Indian Wildlife (Protection) Act, 1972, amended thereof.  
The Wildlife (Protection) Rules, 1995
  - v. The Indian Forest Act, 1927
  - vi. Forest (Conversation) Act, 1980, amended thereof.  
Forest (Conservation) Rules, 1981 amended thereof.  
Guidelines for diversion of forest lands for non-forest purpose under the Forest (Conservation) Act, 1980
  - vii. Ancient Monuments and Archaeological Sites and Remains Act, 1958  
Ancient Monuments and Archaeological Sites and Remains Rules 1959  
Government of India Notification 1992 under the above stated Rules  
Ancient Monuments and Archaeological Sites and Remains (Amendment and Validation) Act, 2010  
Ancient Monuments and Archaeological Sites and Remains (Amendment and Validation), Rules 2011.

### B. Compliance with Environmental Regulations

11. India's environmental rules and regulations, as relevant for the construction of ASU project, are described in Section "A" above. The Environmental Impact Assessment (EIA) Notification, 2006 issued by the Ministry of Environment, Forests and Climate Change (MOEFCC, GOI) specifies the requirements for mandatory environmental clearances. All projects and activities are broadly categorized into two categories—category 'A' and category 'B', based on the spatial extent of potential impacts on the environment, human health, and natural and man-made resources. However, MOEFCC's Notification- S.O. 3252, dated 22/12/2014 exempts all educational and training institutes from obtaining prior environmental clearance. The ASU main campus components to be constructed including the boundary wall construction and Upgrading of ASU Interim Campus will not require any prior environmental clearances according to the environmental rules and regulations of India.

12. Consent to Establish (CTE u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974 and u/s 21 of Air (Prevention & Control of Pollution) Act, 1981 has been obtained for Batching Plant and DG set. The ASU Project CTE for Managaldoi campus has been obtained. The project does not require any other clearances (such as Forest and Wildlife clearances) under any environmental regulations. The labor licenses and insurances are in place for both the construction packages (CW-01 & CW-02) of the ASU project. Principal employer registration under the Commissionerate of Labor has been done for CW03, labor license has been processed by contractor and is due. The construction materials are being procured from sources compliant with environmental regulations of Gol and GoA.

### **C. Compliance of Environmental Loan Covenants**

13. Table 5 shows the environmental safeguard related loan covenants and their compliance status in implementation. All the covenants are being complied with in implementation.

**Table-5: Status of Compliance with loan covenants relating to environment**

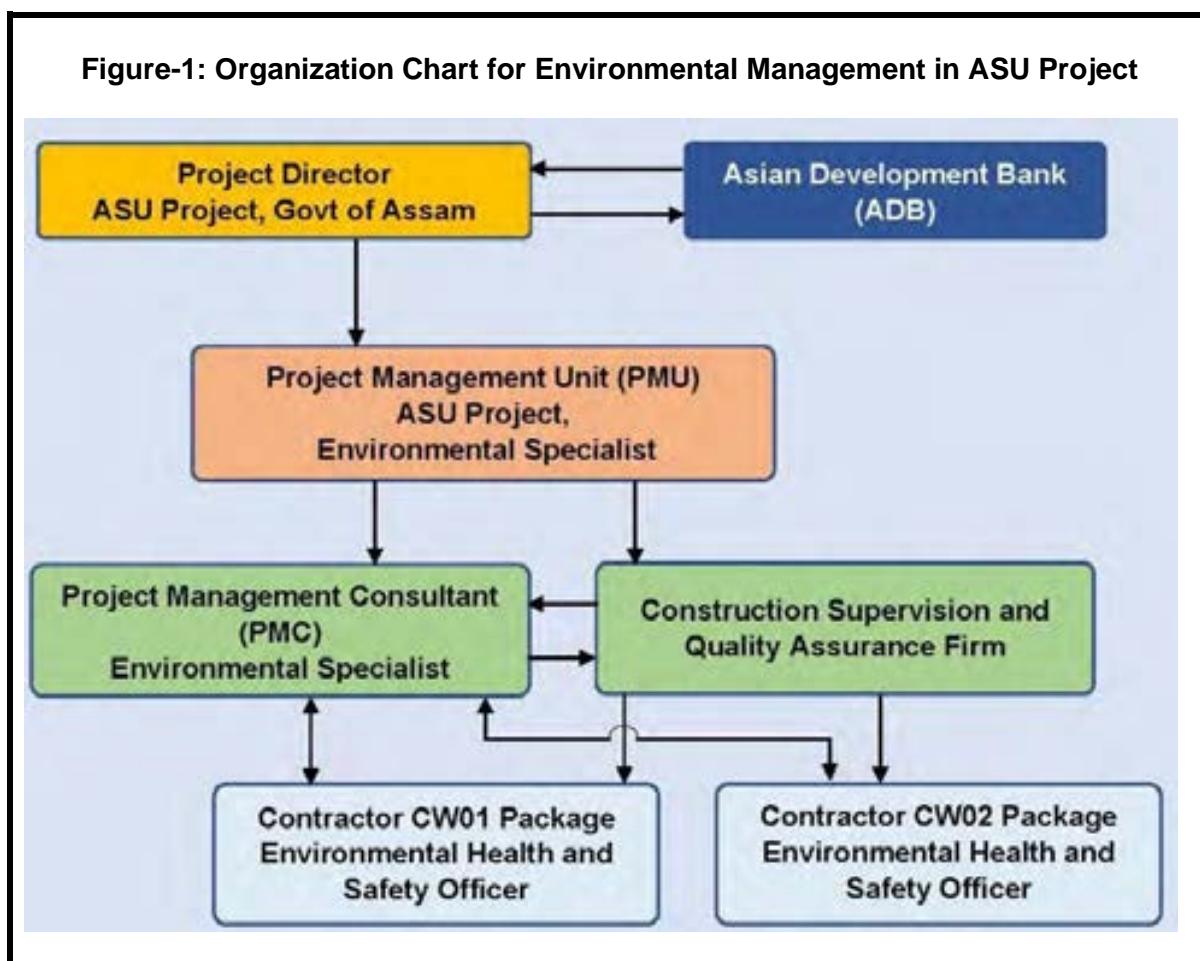
<b>SL.NO.</b>	<b>Covenant</b>	<b>LA Reference</b>	<b>Status</b>
1.	The Borrower shall ensure, or cause the EA to ensure, that no works contract is awarded which involves environmental impacts until the EA has: (a) prepared, submitted and obtain final approval of the IEE from ADB and the relevant forest and environmental clearance from statutory authorities of the borrower and the state as applicable, and (b) Incorporated the relevant provisions from the EMP into the related Works contract.	Schedule 4, Para 8	Complied with
2.	The Borrower shall ensure, or cause the EA to ensure, that the preparation, design, construction, implementation, operations and decommissioning of the Project and all project facilities shall comply with (a) all applicable laws and regulations of the Borrower and the state relating to environment, health and safety; (b) the Environmental Safeguards. (c) all measures and requirements set forth in the IEE and the EMP, and any corrective or preventative actions set forth in a Safeguards Monitoring Report.	Schedule 4, Para 10	Complied with
3	The Borrower shall ensure, or cause the EA to ensure, that all necessary budgetary and human resources to fully implement the EMP and the IPP as required, are made available on a timely basis.	Schedule 4, Para 13	Complied with PMU has resources (Environmental and Social Specialist) for social and environmental safeguards implementation. Budget for EMP compliance is indicated in the Civil Contracts

### **D. Environmental Organization and Management**

14. The main agencies involved in managing and implementing the Assam Skill University

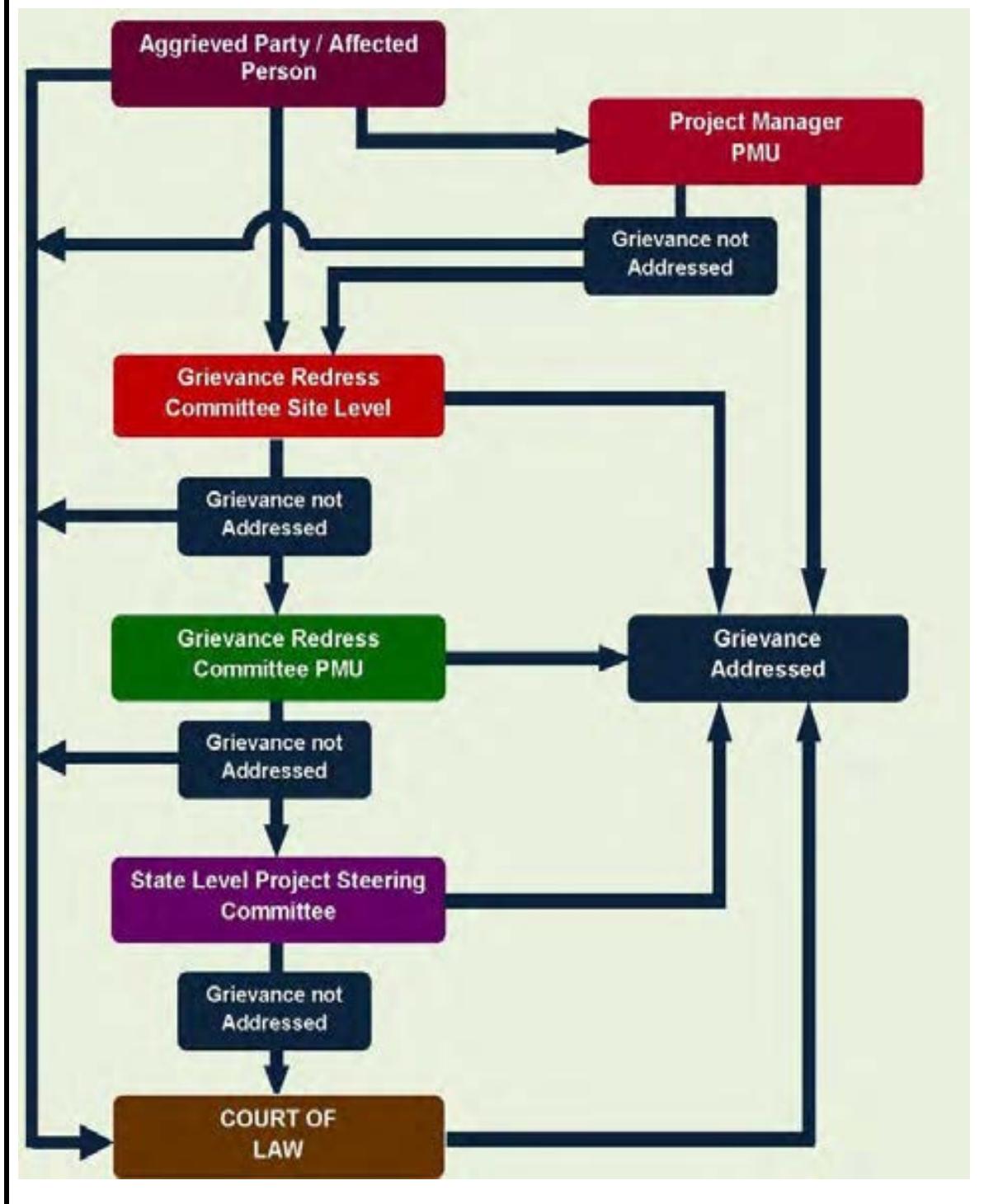
are:

15. The Skill, Employment and Entrepreneurship Department (SEED) of GoA is the EA. The Assam Skill Development Mission (ASDM) is the IA. The ASDM has established a project management unit (PMU) for the overall project implementation. For the ASU Project components implementation, the PMU is being supported by the PMC team. The PMC team is a multi-disciplinary team including environmental specialists having thorough knowledge of environmental rules and regulations of the State and GoI and other environmental management aspects. The Environmental Specialist has been mobilized by PMC firm. The CSQA firm for construction supervision and quality assurance has also been mobilized. The contractors also have designated one environment, health, and social safeguard officer in their teams. The PMU is responsible for overall planning and implementation of the civil works with the assistance of PMC and CSQA firm. PMU ensures that the ASU and all activities financed under the ADB comply with environmental rules and regulations of GoI and GoA and ADB SPS 2009. The organization chart showing EMP implementation in the ASU project is shown below in **Figure-1**.



16. A grievance redress committee (GRC) has been formed at the site and at PMU level to register grievances regarding technical, social, and environmental issues. The detailed grievance redressal mechanism for ASUP has been approved by ADB and SEED, attached in **Annexure 4**. The complainant can approach court of law any time during the grievance redress process. The cost for the operation of GRM will be accounted for in project cost as part of PMU operation. The grievance redress mechanism for the project is shown below in **Figure 2**.

Figure-2: Grievance redressal mechanism for ASU Project



1. The complainant can approach court of law any time during the grievance redress process.

### **III. COMPLIANCE STATUS WITH IEE & EMP**

#### **A. EMP and Monitoring Plan Objectives**

17. The EMPs of the respective construction packages outline the mitigation and monitoring to be undertaken during project implementation and operation to avoid, minimize, or control adverse environmental and social impacts, as well as the actions and resources needed to implement these measures. The EMPs reflect the commitment to environmental management and shall serve as an environmental operation manual for use by management and project staff, contractors, and regulatory authorities. These EMPs shall ensure that the national environmental quality standards for air, water, and noise quality are complied with during the construction and operation phases of the project.

#### **B. Incorporation of Environmental Requirements in Project Contractual Arrangements**

18. It is noted that environmental considerations have been incorporated in the design, bidding documents, and civil works contracts to ensure environmentally responsive procurement. The cost of all mitigation measures during construction have been included in all bidding documents and signed contracts. The EMP was also attached to all the signed contracts. For compliance with EMP requirements (Environmental Performance) for Assam Skill University Project, it has been illustrated clearly in **Tables 6,7 and 8**.

**Table-6: Status of Compliance to EMP of Boundary wall Contract- CW01:**

Sl. No.	Environmental Issues	Mitigation Measures	Status of Compliance			Remarks/ Action taken	Follow up actions proposed on previous SEMR
			Yes	No	NA		
<b>Construction Phase</b>							
1	Sanitation and drinking water facilities at construction camp	The contractor shall provide adequate sanitation facilities at the camp site. These facilities will include dust bins in adequate numbers for solid waste collection, drinking water facilities, and separate toilets for male and females. These toilets facilities shall be well maintained, and septic tanks/soak pits shall be provided at the toilets. The dust bins shall be regularly emptied and waste from camp site shall be disposed off at designated locations.	√			Sanitation facilities like dustbins in adequate numbers for solid waste collection, drinking water facilities, and toilets with septic tank at the camp site provided. Sanitation and workers camp facilities improved from the previous reporting period but still improvement is required. Commercial LPG cylinders provided at kitchen of camps for cooking.	Improvement needed in sanitation and drinking water facilities at the workers' camp of the contractors as well as LPG gas supply for food cooking
2	Traffic circulation plan during construction phase	Prior to commencement of site activities and mobilization on ground, the contractor will prepare and get approved (from the PMU site team and local traffic police) traffic circulation plan during construction for safe passage of public vehicles so that locals are not at inconvenience. The contractor with support of the PMU site team will carry out dissemination of these information and circulation plan at boundary wall construction site	√			Traffic circulation plan being implemented at site.	None
3	Clearance activities, including delineation of construction area	Only ground cover shrubs, if any, that impinge directly on the permanent works or necessary temporary works shall be removed with prior approval from the Environmental Experts of PMU. All areas used for temporary construction operations will be subjected to complete restoration to their former conditions with appropriate rehabilitation procedures. The photographic records		√	√	The presence of shrubs along the boundary wall alignment was minimal at site. These have been removed carefully. This was done in previous reporting period. For the current reporting period, it is not applicable.	None

Sl. No.	Environmental Issues	Mitigation Measures	Status of Compliance			Remarks/ Action taken	Follow up actions proposed on previous SEMR
			Yes	No	NA		
		shall be maintained for the temporary sites used for construction. These will help in proper restoration.				The temporarily acquired sites and structures will be restored after completion of works, so this is not applicable for the reporting period.	
4	Drinking water availability at Construction camp and construction site	Sufficient supply of potable water to be provided and maintained. If the drinking water is obtained from an intermittent public water supply, then storage tanks will be provided. For this, contractor will submit plans which detail how availability of drinking water shall be assured. In case it is obtained from the natural spring then permission from local authorities shall be obtained	√			Supply of potable water provided and maintained at site and workers, camp	None
5	Waste disposal (construction wastes including muck and bentonite slurry during doing piling)	The pre-identified disposal location shall be part of comprehensive waste disposal plan. Solid waste management plan to be prepared by the contractor in consultation with local civic authorities.  The environmental specialist of PMU shall approve these disposal sites after conducting a joint inspection on the site with the contractor.  Contractor shall ensure that waste shall not be disposed off near water stream in the surroundings of site and along the access path.	√			Solid waste management plan has been prepared by contractor and this is being implemented.  The contractors with the assistance of PMU, PMC and local civic body has identified location of disposal of construction wastes. In this reporting period construction waste has been utilized in fill works.  During the reporting period no waste was disposed outside the premises.	Identification of locations for the disposal of excess construction waste for the construction packages of ASU
6	Stockpiling of construction materials	Stockpiling of construction materials will be done in such a way that it does not impact and obstructs the drainage and movements of locals for accessing	√			Stockpiles covered by tarpaulin sheet to protect from dust and erosion and	None

Sl. No.	Environmental Issues	Mitigation Measures	Status of Compliance			Remarks/ Action taken	Follow up actions proposed on previous SEMR
			Yes	No	NA		
		their agriculture fields. The stockpiles will be covered to protect from dust and erosion. The stockpiles of lose construction materials and excavated earth shall be bunded so that these are not washed away during intense rainfall				bunded so that these are not washed away during intense rainfall	
7	Arrangement for construction water	(i) The Contractor shall provide a list of locations and type of sources from where water for construction shall be acquired.  (iii)To avoid disruption/ disturbance to other water users, the contractor shall arrange water from market or from local municipality and consult PMU before finalizing the source.	√			Contractor uses ground water for construction purpose and has taken NOC for ground water use from CGWB. The water source was finalized in consultation with the PMU.	None
8	Water pollution from construction wastes	The contractor shall take all precautionary measures to prevent entering of wastewater and construction waste into local stream during construction.	√			No construction waste enters into local streams. It is stored at site properly and there is no local stream in the immediate vicinity of site.	None
9	Water pollution from fuel and lubricants	The contractor shall not store fuel and lubricants at site to avoid water pollution on account of spillage. These will be purchased on need basis.  The maintenance of vehicle and equipment shall be avoided at site.  The contractor shall ensure that all vehicle/machinery and equipment operation and refueling shall be carried out in such a manner that spillage of fuels and lubricants does not contaminate the ground.  The monitoring of ground water quality will be taken up as per monitoring plan.	√			Fuel and lubricants were not stored at site in the reporting period. These are purchased on need basis from market. Vehicles, machinery, and equipment maintenance is not taken up at site. The vehicle refueling is carried out through manual pump and mobile dispenser at site.  Monitoring of ground water quality is taken up as per monitoring plan	None

Sl. No.	Environmental Issues	Mitigation Measures	Status of Compliance			Remarks/ Action taken	Follow up actions proposed on previous SEMR
			Yes	No	NA		
10	Soil pollution due to fuel and lubricants, construction wastes	Fuel and lubricants storage at site will be avoided to avoid soil pollution on account of spillage. These will be purchased on need basis from market.  Vehicle and equipment cleaning and washing shall be avoided at site.  Bentonite pit is to be made at a safe distance away from the bore and properly connected to the bore by a channel. The contractor shall submit necessary details for this for the approval of PMU.	√			The vehicles and equipment maintenance are not carried out at site. The vehicle refueling is not taken up at site. No spillage of fuel was seen at the site.  The vehicle equipment cleaning and washing is not taken up at the site.  The bentonite slurry is stored in a pit safely at site	None
11	Generation of dust	The contractor will take every precaution to reduce the levels of dust at construction site.  All filling works to be protected/covered in a manner to minimize dust generation.  Dust suppression will be carried out during piling works and construction material handling,	√			In the reporting period contractor provided water tanker and miller for water sprinkling on the site access road.  Filling works protected with green nets and steel sheets.  The water spray records are being maintained.  DG Stack height was increased for better dispersion of the air pollutants.	None
12	Emission from construction vehicles, equipment and machinery	All vehicles, equipment and machinery used for construction shall conform to the relevant Bureau of India Standard (BIS) norms. The discharge standards promulgated under the Environment Protection Act, 1986 shall be strictly adhered to. The silent/quiet equipment available in the market shall be used in the boundary wall construction.  The contractor shall maintain a record of PUC for all vehicles and machinery used during the contract period which shall be produced for verification whenever required.	√			The vehicle, equipment and machinery are complying with GOI emission norms.   The contractor is maintaining records of pollution under control certificates of the vehicles	None

Sl. No.	Environmental Issues	Mitigation Measures	Status of Compliance			Remarks/ Action taken	Follow up actions proposed on previous SEMR
			Yes	No	NA		
						and machinery. Records submitted to PMU.	
13	Noise and Vibration levels	<p>The contractor shall confirm that all construction equipment used in construction shall strictly conform to the MoEFCC and CPCB noise standards and all vehicles and equipment used in construction shall be fitted with exhaust silencers.</p> <p>At the construction sites noisy construction work such as operation of DG sets, use of high noise generation equipment shall be stopped during the nighttime between 10.00 pm to 6.00 am. All workers to use ear plugs during piling work.</p> <p>Noise limits for construction equipment used in this project will follow IFS's EHS standards.</p>	√			<p>The contractor's equipment, vehicles, and machinery comply with noise standards.</p> <p>The construction works are taken up during daytime only.</p> <p>As residents house are far from the construction zone so impacts are not anticipated.</p> <p>Till the end of reporting period no complaints received from the neighboring resident community.</p> <p>The noise level monitoring in the reporting period has been carried out as per monitoring plan and the results were within the limits as notified by the MoEF &amp;CC, Govt. of India vide, GSR7,dated Dec.22,1998. (As per specific conditions of CTE- ASU).</p>	None
14	Impacts on flora and fauna	Minimize impacts on flora and fauna during construction phase by limiting site clearance bare	√			The environmental awareness / training	None

Sl. No.	Environmental Issues	Mitigation Measures	Status of Compliance			Remarks/ Action taken	Follow up actions proposed on previous SEMR
			Yes	No	NA		
		minimum and limiting all types of pollution generation.				program and Consultation were conducted. No trees have been cut and bare minimum shrubs were removed. The compensatory plantation and landscaping will be done as per the Landscaping Plan at the end of construction phase.	
15	Material Handling at construction site	Workers employed on mixing cement, lime mortars, concrete, etc., will be provided with protective footwear and protective goggles.  Workers, who are engaged in welding works, will be provided with welder's protective eye-shields.	√  √			Workers are provided with protective footwear and goggles  Workers engaged in welding works provided with welder's protective eye shields.	None
16	Disposal of construction waste, and debris	The contractor shall confirm that safe disposal of the construction waste will be ensured in the pre-identified disposal locations. In no case, any construction waste will be disposed off around the project site.	√			Contractor has identified waste storage site location at site with PMU. The contractor has been instructed not to dispose off any waste around the site.	construction waste and surplus earth management is to be ensured
17	Onsite emergency plan for minor accidents and mishaps and Disaster Management Plan for Natural Calamities	The onsite emergency plan will be prepared by the contractor in consultation with PMU site team.  For natural calamities, disaster management plan prepared by the Darrang district administration under the provisions of Disaster Management Act 2005 will be followed.	√			The onsite emergency plan has been prepared by the contractor  The contractor has been instructed to follow disaster management plan in the event of natural calamities.	None
18	Safety measures during construction	Adequate safety measures for workers during handling of materials at the boundary wall construction site will be taken up.	√			PPE Kits are being distributed to the workers. HSE manager ensures use of the kits by the workers,	None

Sl. No.	Environmental Issues	Mitigation Measures	Status of Compliance			Remarks/ Action taken	Follow up actions proposed on previous SEMR
			Yes	No	NA		
		<p>The contractor has to comply with all regulations for the safety of workers. Precaution will be taken to prevent danger of the workers from accidental injuries, fire, etc.</p> <p>First aid treatment will be made available for all injuries likely to be sustained during the course of work. The contractor will comply with all anti-malaria instructions given by the PMU site team.</p> <p>Necessary COVID-19 protection measures will be taken up as per requirements of GoA and Gol guidelines.</p> <p>No use of asbestos containing materials such as roofing sheets and pipes will be ensured during construction phase. Till the end of reporting period, no asbestos containing materials have been encountered.</p>	√ √ √ √			<p>monitored timely by PMU.</p> <p>The contractor has been instructed to comply with all regulations pertaining to safety.</p> <p>First Aid Boxes are available at site and these are supplemented regularly with the medicines and other medical items.</p> <p>Necessary COVID-19 protection measures will be taken up as per requirements of GoA and Gol guidelines. At present there is no protocol in force.</p> <p>Use of asbestos products at site is restricted. So far asbestos containing materials have not been handled</p>	
19	Flooding and Water Logging and construction materials accidental flow with food waters	<p>The construction materials and loose excavated earth will be stored in a permeable enclosure if works are continued in monsoon.</p> <p>The drainage systems prepared by the contractor of ASU campus construction package for the site will not be obstructed by the construction works of boundary wall.</p>	√			<p>Construction materials and loose excavated earth is stored properly.</p> <p>The construction works of boundary wall ensuring that the drainage systems prepared by the contractor of ASU campus construction package for the site will not be obstructed.</p>	<p>Loose construction materials to be stored properly in the compacted form.</p>

Sl. No.	Environmental Issues	Mitigation Measures	Status of Compliance			Remarks/ Action taken	Follow up actions proposed on previous SEMR
			Yes	No	NA		
20	Clearing of construction of camp and restoration	<p>The contractor to prepare site restoration plan for approval by the PMU site team. The plan is to be implemented by the contractor prior to demobilization.</p> <p>On completion of the works, all temporary structures will be cleared away, all rubbish burnt, excreta or other disposal pits or trenches filled in and effectively sealed off and the site left clean and tidy, at the contractor's expense, to the entire satisfaction of the ASDM.</p>			✓	<p>The clearing of construction of camp and restoration will be carried out at the end of construction phase. No action needed now. Hence this is not applicable for reporting period.</p> <p>Temporary structures will be cleared at the end of construction phase. All rubbish, excreta, and other wastes will be disposed of at the end of construction phase. Hence this is not applicable for reporting period.</p> <p>The approach road to the site will be restored upon completion of the works.</p>	None

Table-7: Status of Compliance to EMP of ASU Campus and facilities package (CW02):

Sl. No	Environmental Issues	Mitigation Measures	Status of Compliance			Remarks/ Action taken	Follow up actions proposed on previous SEMR
			Yes	No	NA		
<b>Construction Phase</b>							
1	Regulatory compliances	<p>Following regulatory compliances shall be ensured at site:</p> <p>1- Environmental clearances of sand and subgrade quarries/crushers, concrete batching plant and hot mix plants (construction material sources)</p> <p>2- Labor license from Government of Assam</p> <p>3- Copies of medical insurance and accident insurance coverage for all workers at site</p>	✓ Partially completed			<ul style="list-style-type: none"> <li>The CTE has been obtained. (Attached in Annexure-14).</li> <li>The CW02 contractor has updated insurance policy for adequate number of workers. (Attached in Annexure-16).</li> </ul>	<ul style="list-style-type: none"> <li>Obtaining Consent to Establish (CTE) for the ASU project from Assam Pollution Control Board.</li> <li>Update</li> </ul>

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Sl. No	Environmental Issues	Mitigation Measures	Status of Compliance			Remarks/ Action taken	Follow up actions proposed on previous SEMR
			Yes	No	NA		
		4- Utility shifting permissions 5- Consent to establish from Assam Pollution Control Board				<ul style="list-style-type: none"> <li>• CW02 has obtained contract and migrant license for 300 workers and 150 respectively. Contract labor and Migrant labor license and attached in Annexure-09 and Annexure-11 respectively.</li> <li>• During the reporting period diesel storage was in drums, and quantity did not exceed exceeded threshold limit (2500 liters) specified in Manufacture, Storage and Import of Hazardous chemicals rules 2016, contractor has been using Diesel Dispenser for the refueling of vehicle and machinery.</li> <li>• At present contractor is depositing Royalty and all necessary submission to Forest Department and DC office completed by the CW02 contractor. Mining plan has been approved. (attached in Annexure 12. F). CW02 has been instructed to</li> </ul>	<ul style="list-style-type: none"> <li>• insurance policy for all workers at site including medical insurance</li> <li>• The Labor licenses of the contractors to be updated for increased workforce.</li> <li>• Permission for diesel storage from District administration.</li> <li>• Obtaining NOC for borrow earth from Deputy Commissioner, Darrang.</li> <li>• EC for sand and gravel to be renewed by CW02.</li> </ul>

Sl. No	Environmental Issues	Mitigation Measures	Status of Compliance			Remarks/ Action taken	Follow up actions proposed on previous SEMR
			Yes	No	NA		
						<p>submit NOC for borrow earth from Deputy Commissioner, Darrang office.</p> <ul style="list-style-type: none"> <li>• CW02 has been instructed to submit renewed EC of quarry for sand, in process copy attached in (Annexure 12.E).</li> <li>• CTO of crusher for aggregates obtained (Annexure 12A)</li> </ul>	
2	Sanitation, Drinking water facilities and accommodation of construction workers at construction camp	<p>The contractor shall provide sanitation facilities at the camp site. These facilities will include dust bins in adequate numbers for solid waste collection, drinking water facilities, and separate toilets for male and females. These toilets facilities shall be well maintained, and septic tanks/soak pits shall be provided at the toilets. The dust bins shall be regularly emptied and waste from camp site shall be disposed off at designated locations.</p> <p>The accommodation shall be well lighted and ventilated and will have amenities such as water supply and sanitation as explained above.</p>	√			<p>Sanitation facilities like dust bins for solid waste collection, drinking water facilities, and separate toilets for male and females with septic tank at the camp site provided.</p> <p>The accommodation is ventilated and have amenities such as water supply and sanitation.</p> <p>Sanitation and workers camp facilities improved from previous reporting period but further improvement has been instructed as per requirements.</p>	Further improvement needed for sanitation and Drinking water facilities at the workers' camp of the contractors.

Sl. No .	Environmental Issues	Mitigation Measures	Status of Compliance			Remarks/ Action taken	Follow up actions proposed on previous SEMR
			Yes	No	NA		
3	Traffic circulation Plan during construction phase	Prior to commencement of site activities and mobilization on ground, the contractor will prepare and get approved (from local traffic police after the review of CSQA firm) traffic circulation plan during construction for safe passage of public vehicles so that locals are not at inconvenience. The contractor will carry out dissemination of these information and traffic circulation plan at ASU construction site.	√			Traffic management plan has been prepared by the contractor, reviewed by PMU and PMC specialists and implemented at site.	None
4	Clearance activities, including delineation of construction areas	Only ground cover shrubs, if any, that impinge directly on the permanent works or necessary temporary works shall be removed with prior approval from the environmental specialists of PMU and PMC.  All areas used for temporary construction operations will be subjected to complete restoration to their former conditions with appropriate rehabilitation procedures. The photographic records shall be maintained for the temporary sites used for construction. These will help in proper restoration.			√	The presence of shrubs was minimal at site. No trees were required to be removed. In the reporting period, no clearance activities taken up, hence this is not applicable.  Areas used for temporary construction operations will be restored at the end of construction phase	None
5	Drinking water availability at construction camp and construction site	Sufficient supply of potable water to be provided and maintained. If the drinking water is obtained from an intermittent public water supply, then storage tanks will be provided. For this, contractor will submit plans which detail how availability of drinking water shall be assured.	√			Supply of potable water provided and maintained at site.	None
6	Waste disposal	The pre-identified disposal location shall be part of comprehensive waste disposal plan. Solid waste management plan to be prepared by the contractor in consultation with local civic authorities.  The environmental specialist of PMU shall approve these disposal sites after conducting a joint inspection on the site with the contractor and PMC	√			Solid waste management plan has been prepared by contractor.  The contractors with the assistance of PMU, PMC and local civic body has	Identification of additional locations for the disposal of excess construction waste for the construction packages of ASU

Sl. No	Environmental Issues	Mitigation Measures	Status of Compliance			Remarks/ Action taken	Follow up actions proposed on previous SEMR
			Yes	No	NA		
		<p>environmental specialist.</p> <p>Contractor shall ensure that waste shall not be disposed off near water stream in the surroundings of site and along the access path.</p>	√ √			<p>identified location for the disposal of construction wastes.</p> <p>During the reporting period no waste disposed outside the premises. It is stored within the site for possible re-use in future.</p>	(for future waste generation).
7	Stockpiling of construction materials	<p>Stockpiling of construction materials will be done in such a way that it does not impact and obstructs the drainage and movements of locals for accessing their agriculture fields.</p> <p>The stockpiles will be covered by tarpaulin sheet to protect from dust and erosion. The stockpiles shall be bunded so that these are not washed away during intense rainfall.</p>	√			Stockpiles covered by tarpaulin sheet to avoid dust and erosion and bunded also so that these are not washed away during intense rainfall	Construction materials need to be covered to minimize dust emissions.
8	Arrangement for construction water	<p>The Contractor shall provide a list of locations and type of sources from where water for construction shall be acquired.</p> <p>To avoid disruption/ disturbance to other water users, the contractor shall arrange water from market or from local municipality and consult PMU before finalizing the source.</p>	√			<p>Contractor will use ground water for construction purpose and has taken NOC for ground water use from CGWB.</p> <p>Water from local municipality is not used.</p> <p>There is no disturbance to other water users</p>	None
9	Siltation of existing water ponds due to spillage of construction wastes	No disposal of construction wastes will be carried out into the existing small water ponds at site. These will be developed as water bodies during campus development. The waste materials will be transported to the pre-identified disposal site for safe disposal.	√			No disposal of construction waste is carried out into surface water bodies. The construction waste has been utilized in fill works	None
10	Water pollution from fuel and lubricants	The contractor shall not store fuel and lubricants at site to avoid water pollution on account of spillage. These will be purchased on need basis.	√			Fuel and lubricants are not stored at site for the reporting period. These are purchased on need basis	None

Sl. No	Environmental Issues	Mitigation Measures	Status of Compliance			Remarks/ Action taken	Follow up actions proposed on previous SEMR
			Yes	No	NA		
		<p>The maintenance of vehicle and equipment shall be avoided at site. It will be taken up at authorized workshops.</p> <p>The contractor shall ensure that all vehicle/machinery and equipment operation and refueling shall be carried out in such a manner that spillage of fuels and lubricants does not contaminate the ground.</p> <p>The monitoring of ground water quality will be taken up as per monitoring plan.</p>	√ √ √			<p>from market.</p> <p>Vehicles, machinery, and equipment maintenance is not taken up at site.</p> <p>The vehicle refueling is carried out through manual pump and mobile dispenser at site.</p> <p>Monitoring of ground water quality has been taken up as per monitoring plan</p>	
11	Soil pollution due to fuel and lubricants and construction wastes	<p>Fuel and lubricants storage at site will be avoided to avoid soil pollution on account of spillage. These will be purchased on need basis from market.</p> <p>Vehicle and equipment cleaning and washing shall be avoided at site.</p>	√ √			<p>The vehicles and equipment maintenance are not carried out at site. The vehicle refueling is not taken up at site. No spillage of fuel was seen at site.</p> <p>The vehicle equipment cleaning and washing is not taken up at the site.</p>	None
12	Soil erosion	<p>Temporary slope protection may be required during construction at the excavated areas.</p> <p>Adequate measures will be taken up so that there is no soil erosion causing risks in the vicinity.</p> <p>The construction site will be properly barricaded so that lose material and earth at site are not eroded during intense rain and carried way with storm water.</p>	√ √			<p>Soil erosion and water ponding on account of excavations were not observed. Temporary excavations were not taken at site during the reporting period.</p> <p>The site is being barricaded as well as permanent boundary wall construction is also in progress.</p> <p>Lose materials are bunded</p>	None

Sl. No .	Environmental Issues	Mitigation Measures	Status of Compliance			Remarks/ Action taken	Follow up actions proposed on previous SEMR
			Yes	No	NA		
						at site to avoid washing away.	
13	Generation of dust	The contractor will take every precaution to reduce the levels of dust at construction site. The ASU campus site will be properly barricaded with adequate height prefabricated mild steel sheets from all sides to avoid air emissions and dust impacts in the surroundings of site. All filling works to be protected/covered in a manner to minimize dust generation.	√			In the reporting period contractor provided water tanker and miller for water sprinkling on the site and access road for dust suppression. The contractor has been instructed to sprinkle water regularly and maintain the water spray records. Also provide green nets in batching plant and all construction areas.	Dust mitigation measures need to be strengthened.
14	Emission from construction vehicles, equipment and machinery	All vehicles, equipment and machinery used for construction shall conform to the relevant Bureau of India Standard (BIS) norms. The discharge standards promulgated under the Environment Protection Act, 1986 shall be strictly adhered to. The silent/quiet equipment available in the market shall be used in the construction.  The contractor shall maintain a record of Pollution under Control Certificates (PUCs) for all vehicles and machinery used during the contract period which shall be produced for verification whenever required.	√  √			The vehicle, equipment and machinery are complying with GOI emission norms. Reverse horns and blinkers are functional in the vehicles. The DG sets installed are of silent type. DG Stack height was increased for the better dispersion of the air pollutants.  The contractor is maintaining records of pollution under control certificates.	None
15	Noise pollution	The contractor shall confirm that all construction equipment used in construction shall strictly conform to the MoEFCC and CPCB noise standards and all vehicles and equipment used in construction shall be fitted with exhaust silencers.	√			The equipment, vehicles, and machinery comply with noise standards	None

Sl. No .	Environmental Issues	Mitigation Measures	Status of Compliance			Remarks/ Action taken	Follow up actions proposed on previous SEMR
			Yes	No	NA		
		<p>At the construction sites noisy construction work such as operation of DG sets, use of high noise generation equipment shall be stopped during the nighttime between 10.00 pm to 6.00 am.</p> <p>No construction activities will be taken up in nighttime (2200 hours to 0600 hours) to avoid noise impacts. Similar to construction activities, no construction vehicle movement will be allowed in the night hours.</p> <p>Noise monitoring will be taken up as per monitoring plan.</p> <p>Since liquefaction phenomenon has been identified at site foundations of suitable strength will be laid and for this suitable construction technology shall be adopted. To minimize vibration, issue a Statement of method will be prepared by the environmental specialists of PMC and PMU in consultation with QAQC firm to minimize vibrations during construction.</p>	√			<p>The vehicles and equipment in use have been fitted with Acoustic (exhaust &amp; silencers).</p> <p>The construction works are taken up during daytime only</p> <p>The noise level monitoring in the reporting period has been carried out as per monitoring plan and the results were within the limits as notified by the MoEF &amp;CC, Govt. of India vide, GSR7,dated Dec.22,1998. (As per specific conditions of CTE-ASU).</p> <p>Statement of method has been prepared by the environmental specialists of PMC and PMU in consultation with QAQC firm to minimize vibrations during construction. (Attached in annexure 20 ). Workers using ear plugs in works like pile head breaking and</p>	

Sl. No .	Environmental Issues	Mitigation Measures	Status of Compliance			Remarks/ Action taken	Follow up actions proposed on previous SEMR
			Yes	No	NA		
						soil compaction.	
16	Impacts on flora and fauna	Minimize impacts on flora and fauna during construction phase by limiting site clearance bare minimum and limiting all types of pollution generation. The total area for landscaping to be done will be 217830.74m <sup>2</sup> and 3000 trees and shrubs will also be planted. The detailed landscaping and tree plantation plan will be prepared during project implementation. Broadly plantation will be taken up along boundary wall, side slopes of roads in campus.	√			The environmental awareness / training program and Consultation were periodically conducted. The plantation and landscaping works will be taken up at the end of construction period.	None
17	Material handling at construction site	Workers employed on mixing cement, lime mortars, concrete, etc. will be provided with protective footwear and protective goggles.  Workers who are engaged in welding works will be provided with welder's protective eye shields.  Workers engaged in stone breaking activities will be provided with protective goggles and clothing.  The use of any toxic chemical (paints, thinners and anti- corrosive and anti-termite materials, etc.) will be strictly in accordance with the manufacturer's instructions.	√	√	√	Workers are provided with protective footwear and goggles  Workers engaged in welding works provided with welder's protective eye shields.  There are no stone breaking activities at site. Hence this is not applicable.  The toxic chemicals are handled and used as per the instructions written in materials safety data sheets.	None
18	Disposal of construction waste,	The contractor shall confirm that safe disposal of the construction waste will be ensured in the pre-	√			The contractors with the assistance of PMU, PMC	Identification of locations for the

Sl. No	Environmental Issues	Mitigation Measures	Status of Compliance			Remarks/ Action taken	Follow up actions proposed on previous SEMR
			Yes	No	NA		
	and debris	identified disposal locations. In no case, any construction waste will be disposed off around the ASU campus site.	√			and local civic body will identify location (s) for the disposal of construction wastes. During the reporting period no waste disposed outside the premises. It has been stored within the site.	disposal of excess construction waste for the construction packages of ASU
19	Onsite emergency plan for minor accidents and mishaps and disaster management plan for natural calamities	The onsite emergency plan will be prepared by the contractor in consultation with CSQA firm, PMU and PMC.  For natural calamities, disaster management plan prepared by the Darrang district administration under the provisions of Disaster Management Act 2005 will be followed.	√			The onsite emergency plan has been prepared by the contractor and it will be followed during mishaps.  The contractor has been instructed to follow disaster management plan in the event of natural calamities	None
20	Occupational Health and Safety and COVID-19 measures during construction	Adequate safety measures for workers during handling of materials at the construction site will be taken up.  First aid treatment will be made available for all injuries likely to be sustained during the course of work.  The contractor will comply with all anti-malaria instructions given by the PMU, PMC, and CSQA firm  Necessary COVID-19 protection measures will be taken up as per prescribed protocols of GoA and GoI guidelines.  There will not be any use or handling of asbestos	√	√	√	PPE Kits are being distributed to the workers. HSE manager ensures use of the kits by the workers, monitored timely by PMU  The contractor has been instructed to comply with all regulations pertaining to safety. First Aid Boxes are available at site and are refilled for the consumed items and medicines. The contractor has tie-up with local hospital for serious injuries and illness The contractors have been instructed to follow anti-	None

Sl. No	Environmental Issues	Mitigation Measures	Status of Compliance			Remarks/ Action taken	Follow up actions proposed on previous SEMR
			Yes	No	NA		
		containing materials such as roofing sheet and plumbing pipes.	√			<p>malaria instructions given by the PMU, PMC</p> <p>COVID-19 protection measures will be followed as and when COVID-19 Protocol is in force.</p> <p>Use of asbestos products at site is restricted. So far asbestos containing materials have not been used</p>	
21	Flooding and Water Logging and construction materials accidental flow with flood waters	<p>The contractor will take all measures to barricade the site with MS sheet till permanent boundary wall is constructed.</p> <p>The contractor will maintain quick drainage of site to avoid any water logging and flow of loose construction material with rainwater</p> <p>The contractor will take all necessary mitigatory measures to ensure that mud and construction materials do not enter agriculture fields of houses from storm water of site.</p>	√	√		<p>The site has been barricaded wherever necessary.</p> <p>A mitigation plan for storm water drainage for the monsoon months has been submitted by the contractors and will be implemented during the monsoon season.</p> <p>Slopes of stored construction materials and earth has been bunded by sand filled bags to protect from eroding and entering neighborhood areas.</p>	None
22	Clearing of construction of camp and restoration	The contractor to prepare site restoration plan for approval by the PMU or its authorized agency (such as CSQA Firm). The plan is to be implemented by the contractor prior to demobilization.			√	<p>The restoration works and construction camp and workers' camp will be cleared at end. No action needed now. Hence this is not applicable for reporting</p>	None

Sl. No	Environmental Issues	Mitigation Measures	Status of Compliance			Remarks/ Action taken	Follow up actions proposed on previous SEMR
			Yes	No	NA		
		On completion of the works, all temporary structures will be cleared away, all rubbish burnt, excreta or other disposal pits or trenches filled in and effectively sealed off, and the site left clean and tidy, at the contractor's expense, to the entire satisfaction of the ASU			✓	period.  Temporary structures will be cleared at the end of construction phase. All rubbish, excreta, and other wastes will be disposed of at the end of construction phase. Hence this is not applicable for reporting period	

Table-8: Status of Compliance to EMP of Upgrading of ASU Interim Campus package (CW03):

Sl. No.	Environmental Issues	Mitigation Measures	Status of Compliance			Remarks / Action taken	Follow up actions proposed in last reporting period
			Yes	No	NA		
<b>A. Preconstruction phase</b>							
1	Lack of sufficient planning to ensure long term sustainability of the ASU Interim campus and its facilities and protection of assets	The preliminary design of ASU Interim campus has been completed considering earthquake coefficient of zone V.  During the earthquake or any other natural calamity, Disaster Management Plan prepared by the Kamrup Metropolitan district administration will be followed. It will be updated for ASU Interim campus in coordination with district administration.  To address the water logging issue at site an effective drainage system is being designed based on the existing drainage system at ITI Guwahati. The plinth level of the existing workshops is at 0.9m above the existing ground level. The plinth level of the new structures will be kept 20cm above HFL to ensure long	✓			The plinth level will be kept at least 20cm above highest flood level to ensure long term sustainability.  An effective drainage system has been designed and will be constructed. The DMP prepared by the district administration will be followed during the natural disasters and natural calamities.	None

Sl. No.	Environmental Issues	Mitigation Measures	Status of Compliance			Remarks / Action taken	Follow up actions proposed in last reporting period
			Yes	No	NA		
		term sustainability which is the standard requirement of municipal corporation.					
2	Consents, permits, clearances, no objection certificates (NOC), etc.	Obtain all necessary consents, permits, clearance, NOCs, etc. prior to start of civil works. Acknowledge in writing and provide report on compliance with all the obtained consents, permits, clearance, NOCs, etc. Include in detailed design drawings and documents all conditions and provisions, if necessary.	√			Consent to Establish and Consent to Operate, as granted by the Board under the provisions of the Air Act-1981 and Water Act-1974 shall not be required. Assam State Pollution Control Board communication in this regard attached in <b>Annexure-19</b>	None
3	Environmental monitoring to establish baseline monitoring	Contractor to carry out environmental monitoring immediately after mobilization to establish baseline in respect of ambient air quality, water quality (ground and surface), and noise levels.	√			Baseline monitoring carried out by contractor as per EMP and approved monitoring plan. <b>(Reports Attached in Annexure-7)</b>	None
4	Layout of components to avoid impacts on the aesthetics of the project site and surroundings	The ASU Interim campus buildings will not have any adverse impacts on aesthetics of project site and surroundings and exteriors of campus buildings will be similar to the exteriors of buildings in the project region as well as matching with institutional looks. There will be positive impacts as green areas to be developed in campus will enhance look of the area.	√			Green areas have been considered in detailed design. These will be developed at the end of construction phase. Exteriors of campus buildings will be like the exteriors of buildings in the project region as well as matching with institutional looks so no adverse impacts on aesthetics anticipated.	None
5	Integration of energy efficiency and energy conservation programs in the ASU Interim	The following energy efficiency measures have been adopted in the ASU Interim campus design and subsequent implementation: <ul style="list-style-type: none"> <li>• Installation of Bureau of Energy Efficiency (BEE) certified equipment at the workshop, laboratories, classrooms and other facilities to reduce</li> </ul>	√			Energy efficiency measures have been adopted in the ASU Interim campus design and will also be taken care of in the subsequent implementation.	None

Sl. No.	Environmental Issues	Mitigation Measures	Status of Compliance			Remarks / Action taken	Follow up actions proposed in last reporting period
			Yes	No	NA		
	campus planning and design	<p>the energy consumption of appliance without diminishing the services.</p> <ul style="list-style-type: none"> <li>Usage of energy efficient light emitting diode lighting fixtures (LED) which produce light up to 90% more efficiently than incandescent light bulbs. The disposal of discarded LED should be done in consultation with civic bodies and supplier.</li> </ul>				<p>BEE certified equipment will be procured. (will be ensured during tendering of equipment)</p> <p>LED lighting fixtures to be ensured</p>	
6	Impacts on flora and fauna	<p>There is no requirement for tree cutting for the development of ASU Interim campus. There may be requirement for removal of locally grown shrubs in some portion of ASU Interim site. This loss of shrubs will be made up during landscaping and tree plantation works of the ASU Interim Campus. The detailed landscaping and tree plantation plan will be prepared during project implementation. The removal of shrubs will be only from areas delineated for construction.</p> <p>The detailed plantation and landscaping plan shall be prepared during pre-construction phase.</p>	√			<p>No tree cutting required for development of ASU Interim campus, some shrubs cleared from areas delineated for construction.</p> <p>The detailed landscaping and tree plantation plan is being prepared.</p>	None
<b>B. Construction Phase</b>							
1	Construction camps - location, selection, design and layouts	Construction camp at the ASU Interim Campus site will be located within the plot. The construction camp will not affect the day-to-day activities of local residents and stakeholders as workforce will not exceed 100. Adequate sanitation facilities (with septic tanks and soak pits) shall be provided at camp site so that no wastewater will be discharged outside. Preferably local labors will be deployed.	√			<p>Construction camps location has been identified inside plot. Sanitation facilities will be provided at camp site. These are under implementation.</p>	None
2	Traffic circulation plan during construction	Prior to commencement of site activities and mobilization on ground, the contractor will prepare a traffic circulation plan for safe passage of local traffic during construction stage. This will include alternative access routes (for any emergency access), traffic regulations, signages, etc. If necessary, the boundary wall may be broken for making separate access for bringing construction material to site and repair it after	√			<p>Traffic management plan will be prepared by the contractor and same, reviewed by PMU and PMC specialists for the implementation at site.</p> <p>Speed limit signage installed at site.</p>	None

Sl. No.	Environmental Issues	Mitigation Measures	Status of Compliance			Remarks / Action taken	Follow up actions proposed in last reporting period
			Yes	No	NA		
		completion of construction works at site. In the peak time construction related traffic will not exceed 20-25 vehicles per hour, including vehicles in use of construction crew to travel to site. The contractor will disseminate the traffic circulation plan around the project site.					
3	Impacts on flora and fauna	The PMU and PMC will conduct site induction and environmental awareness program for the construction workers. The workers will be sensitized not to cut the trees (outside site) for fire wood and not to hunt local fauna. The construction related activities will be limited within the site of ASU Interim Campus to minimize impacts on flora and fauna. Storage of construction materials will be within the project site limits to avoid impacts on flora (local shrubs).	√			The construction related activities will be limited within the site of ASU Interim Campus to minimize impacts on flora and fauna. No tree cutting is required. The contractor and the workers were instructed not to cut the trees at or outside site. Construction materials stored within the project site limits.	None
4	Clearance activities, including delineation of construction areas for various buildings and facilities	The commencement of clearance activities for the ASU Interim campus will be undertaken with due permission local civic authorities and from the environment specialist of the PMU/PMC to minimize environmental impacts. All areas used for temporary construction operations will be subject to complete restoration to their former conditions with appropriate rehabilitation procedures.	√			The commencement of clearance activities for the ASU Interim campus has been undertaken with due permission from ITI Guwahati and ASUP officials. All areas temporarily acquired will be reinstated at the end of construction phase.	None
5	Drinking water availability	Sufficient supply of potable water will be provided and maintained at the construction site and construction camp. If the drinking water is obtained from an intermittent public water supply, then storage tanks will be provided.	√			Supply of potable water is provided and maintained at site.	None

Sl. No.	Environmental Issues	Mitigation Measures	Status of Compliance			Remarks / Action taken	Follow up actions proposed in last reporting period
			Yes	No	NA		
6	Waste disposal	Location of disposal site for construction waste will be finalized by the environmental specialists of the PMU and PMC. The PMU will confirm the location of disposal. Further, it will be ensured that disposal of the material will not impact the seasonal water body (at site) or environmentally sensitive areas. In the disposal Construction and Demolition Waste Management Rules, 2016 will be followed.	√			Waste Disposal will be carried out as per EMP. Waste disposal area identified within the campus. The contractor has been instructed to identify the waste disposal area.	None
7	Stockpiling of construction materials	Stockpiling of construction materials will be done in such a way that it does not impact and obstructs the drainage and movements of locals. The stockpiles will be covered by tarpaulin sheet to protect from dust and erosion. The stockpiles shall be bunded so that these are not washed away during intense rainfall.	√			Stockpiling of construction materials will be carried out as per EMP. No significant stockpiling of construction materials observed in the reporting period as contractor is under mobilization.	None
8	Soil and water pollution due to fuel and lubricants, construction waste	The fuel storage and vehicle cleaning at site should be avoided as far as possible. In case of unavoidable circumstances, fuel storage should be in the leak proof drums and storage of drums should be on temporary raised paved platform. The vehicle and equipment maintenance should be taken at the authorized workshops only to avoid pollution at site.			√	Soil and water pollution measures will be carried out as per EMP.  No construction vehicle or equipment observed in the reporting period at site. Hence, this is not applicable.	None
9	Siltation of existing water ponds due to spillage of construction wastes	No disposal of construction wastes will be carried out into the existing small water ponds at ITI. The waste materials will be transported to the pre-identified disposal site for safe disposal. This disposal site will be identified by the PMC, PMU, and CSQA firm in consultation with local civic authorities.	√			Disposal of construction waste will be carried out as per EMP.  Disposal areas will be identified once contractor fully mobilized at site.	None
10	Generation of dust	The contractor will take every precaution to reduce the levels of dust at construction site. The ASU Interim campus site will be properly barricaded with adequate height (3 m) two tier prefabricated mild steel sheets from all sides to avoid	√			Transportation of materials to the site are done after office hours.  Regular sprinkling of water on the access road being	None

Sl. No.	Environmental Issues	Mitigation Measures	Status of Compliance			Remarks / Action taken	Follow up actions proposed in last reporting period
			Yes	No	NA		
		air emissions and dust impacts in the surroundings of site due to construction activities. All pulverized material will be covered with Tarpaulin or Green Net. Regular sprinkling of water on the access road during transport of materials and construction site to be done by contractor for dust suppression.				carried out.  Site barricaded with green nets for dust control	
11	Emission from construction vehicles, equipment	Vehicles, equipment and machinery used for construction will conform to the relevant standards (vehicular emission standards of Gol and CPCB specified standards for equipment and machinery) and will be regularly maintained to ensure that pollution emission levels comply with the relevant requirements. The materials shall be covered while transportation. The vehicles will also have reverse horns and blinkers. The equipment and machinery will be barricaded to reduce emission.			√	Vehicles, equipment and machinery used for construction will conform to the relevant standards.  No construction vehicle or equipment observed in the reporting period at site. Hence, this is not applicable.	None
12	Noise pollution	Noise limits for construction equipment used in this project will not exceed 70 dB (A). Regular monitoring will be taken up at the site as per monitoring plan. The noisier equipment can be used after class hours of the ITI. Construction works with noise effect can be planned with the holidays of the ITI to further reduce any effect of noise.	√			Regular monitoring will be taken up at the site as per the monitoring plan.  Transportation of materials to the site are done after office hours.  No construction vehicle or equipment observed in the reporting period at site.	None
13	Material handling at site	The workers would be provided with appropriate personal protective equipment commensurate with the safety and health risks associated with the activities such as workers employed (i) on mixing cement, lime mortars, concrete, etc., would be provided with protective footwear and protective goggles; and (ii) in welding works, would be provided with welder's protective eye-shields.  The use of any toxic chemical (paints, thinners and anti-corrosive and anti-termite materials, etc.) will be strictly in accordance with the manufacturer's			√	The workers shall be provided with appropriate personal protective equipment. Contractors are instructed to maintain PPE kit issue register. At present construction works not started so this is not applicable.	None

Sl. No.	Environmental Issues	Mitigation Measures	Status of Compliance			Remarks / Action taken	Follow up actions proposed in last reporting period
			Yes	No	NA		
		instructions. The PMU will be given at least 6 working days' notice of the proposed use of any chemical. A register of all toxic chemicals delivered to the site will be kept and maintained up to date by the contractor.					
14	Occupational health and safety and measures during construction  COVID-19 Health and Safety Plan	<p>Adequate safety measures for workers during handling of materials at the ASU site will be taken up. Necessary safety measures will also be taken for working at heights and trenches as per the instructions of CSQA firm team and PMC/PMU environmental specialists.</p> <p>The contractor must comply with all regulations for the occupational safety of workers. Precautions will be taken to prevent danger of the workers from fire, accidental injury, etc. First aid treatment will be made available for all injuries likely to be sustained during the course of work.</p> <p>The Contractor will comply with all anti-malaria instructions/advisories given by the PMU, PMC or CSQA firm. Necessary awareness program will be carried out for HIV/AIDS and STD.</p> <p>All protection measures pertaining to COVID-19 will be taken at the site as per the protocol specified by the GoA and GoI for the construction sites. For this, a COVID-19 Health and safety Plan will be prepared by the contractor after mobilization. The protection measures for COVID-19 will continue till pandemic threat continues.</p>	✓			<p>Occupational health and safety and measures during construction will be ensured as per EMP.</p> <p>First aid box with adequate and unexpired medicines kept at site office. Accident register maintained.</p> <p>Awareness programme for HIV/AIDS and STD will be conducted with mobilization of workers.</p> <p>Measures pertaining to COVID-19 will be taken at the site as per the protocol specified by the GoA and GoI for the construction sites. As present protocol is not in force.</p>	<p>Awareness program for HIV and AIDS in the next reporting period.</p>

Sl. No.	Environmental Issues	Mitigation Measures	Status of Compliance			Remarks / Action taken	Follow up actions proposed in last reporting period
			Yes	No	NA		
15	Clearing of construction camps and restoration	Contractor at the ASU interim campus site will prepare site restoration plan for approval by the CSQA and PMC. These camp site restoration plans are to be implemented by the contractor prior to demobilization. On completion of the works, all temporary structures will be cleared away, all rubbish burnt, excreta or other disposal pits or trenches filled in and effectively sealed off, and the site left clean and tidy, at the contractor's expense, to the entire satisfaction of the engineer (PMU and CSQA firm site team). This will be taken up comply with the condition of contract.			✓	This will be taken up to comply with the condition of contract and as per EMP. The restoration will be taken up at the end of construction, hence, it is not applicable for the reporting period.	None
16	Onsite emergency plan for accidents and mishaps and disaster management plan for natural calamities	The onsite emergency plan will be prepared by the contractor in consultation with PMC and PMU. For natural calamities, disaster management plan prepared by the Kamrup Metropolitan district Administration under the provisions of Disaster Management Act 2005 will be followed. The updating of DMP shall be followed up by the ASU management (for inclusion of ASU Interim Campus operations) with the district administration.	✓			Onsite emergency plan for accidents and mishaps and disaster management plan for natural calamities during construction prepared by contractor. Disaster management plan prepared by the Kamrup Metropolitan district Administration under the provisions of Disaster Management Act 2005 will be followed for any natural calamity.	None
17	Flooding and Water Logging and construction materials accidental flow with flood water	The contractor will take all measures to barricade the site with MS sheet till permanent boundary wall is constructed. The contractor will maintain quick drainage of site to avoid any water logging and flow of lose construction material with rainwater. The contractor will take all necessary mitigatory measures to ensure that mud and construction materials do not enter agriculture fields of houses from storm water of site.	✓			The contractor has barricaded the site with MS sheet and put sand bags at sites prone to flooding to avoid construction materials accidental flow with water.	None

#### **IV. APPROCH & METHODOLOGY ENGAGED FOR ENVIRONMENTAL MONITORING OF THE PROJECT**

19. Continuous monitoring of EMP implementation is being carried out by PMU, PMC, Quality Assurance (QA) Firm, and designated environmental, health and safety officers of the contractors.

20. The Environmental Specialist of PMC and other experts of quality assurance firm along with PMU officials regularly visit the construction site. Necessary directions, in case of non-compliance are being issued to both the contractors at the ASU site and through letters about the procedures to resolve the problems/issues or requirements. The environmental specialists of PMU and PMC regularly carry out training programs on environmental and safety issues to sensitize contractor construction crew at the ASU construction site.

21. Environmental monitoring during construction phase is being taken up as per monitoring program prepared in EMP. This monitoring is to check efficacy of mitigation measures being taken up at sites.

## **V. MONITORING OF ENVIRONMENTAL RECEPTORS / ATTRIBUTES**

### **A. Monitoring Basis**

22. The implementation of Environmental Monitoring Plan is required to check if any adverse impact is being caused by the construction activities. The monitoring of the indicated parameters (environmental attributes pertaining to air quality, water quality, and noise levels) in the monitoring plan is being carried out at Assam Skill University construction sites and surroundings.

23. The monitoring of environmental parameters is being carried out as per the agreed Environmental Monitoring Plan in the EMP document.

### **B. Type of environmental receptor/ attribute to be monitored**

24. The environmental attributes being monitored in the project include the air, noise and water quality parameters at the sub-project construction sites. The important air quality parameters monitored include PM10, PM2.5, SO<sub>2</sub>, NO<sub>x</sub> and CO. The water quality parameters include pH, TDS, TSS, hardness, Biological Oxygen Demand (BOD at 27° C) and Faecal Coliform. In case of noise, 'Day' time and 'Night' time Leq values are monitored. Monitoring is to be done quarterly except monsoon.

## **VI. IMPLEMENTATION OF ENVIRONMENTAL MONITORING PLAN AND MONITORING RESULT**

25. The implementation of environmental monitoring plan during reporting period carried out as per EMP. The quarterly environmental monitoring reports have been provided in Annexure-5. The CW03 Baseline environmental monitoring reports have been provided in Annexure-7. Table 9 & 10 provides an assessment on the test results of parameters monitored with the baseline values measured prior to commencement of works.

**Table-9: Quarterly Monitoring results for ASU Campus under construction**

Component	Parameters /Pollutants	Standard	Base line status	Monitoring result during previous reporting period Q2(April-June2023)	Monitoring result during reporting period Q4(October -December 2023)	Remarks
<b>Noise</b>	Sound Level 1-Leq. (Day) in dB(A)  2- Leq (Night) in dB(A) Sound Level	Noise Standards - 55 dB(A) for day time  45 dB(A) for night time	db(A)Leq =52.46 for day time  db(A)Leq= 43.57 dB(A) for night Time	db(A)Leq= 63.9 for day time  db(A)Leq= 49.3 for night Time	db(A)Leq= 64.1 for day time  db(A)Leq= 52.8 for night time	Noise levels were found higher than the standard which may be due to construction equipment movement and maintenance issue. Speed limit and maintenance of equipment will be ensured.
<b>Air Quality</b>	PM <sub>10</sub> PM <sub>2.5</sub> SO <sub>2</sub> NO <sub>x</sub> CO	PM <sub>10</sub> =100 µg/m <sup>3</sup> PM <sub>2.5</sub> = 20 µg/m <sup>3</sup> PM <sub>2.5</sub> = 60 µg/m <sup>3</sup> SO <sub>2</sub> = 80 µg/m <sup>3</sup> NO <sub>x</sub> = 80 µg/m <sup>3</sup> CO = 4 mg/m <sup>3</sup>	PM <sub>10</sub> =50 µg/m <sup>3</sup> PM <sub>2.5</sub> = 20 µg/m <sup>3</sup> SO <sub>2</sub> = 6 µg/m <sup>3</sup> NO <sub>x</sub> = 15 µg/m <sup>3</sup> CO=2 mg/m <sup>3</sup>	PM <sub>10</sub> =477µg/m <sup>3</sup> PM <sub>2.5</sub> = 165 µg/m <sup>3</sup> SO <sub>2</sub> = 15 µg/m <sup>3</sup> NO <sub>x</sub> = 21 µg/m <sup>3</sup> CO= less than 1.15mg/m <sup>3</sup>	PM <sub>10</sub> =83 µg/m <sup>3</sup> PM <sub>2.5</sub> = 47 µg/m <sup>3</sup> SO <sub>2</sub> = 8.22 µg/m <sup>3</sup> NO <sub>x</sub> = 19.48 µg/m <sup>3</sup> CO= less than 0.09 mg/m <sup>3</sup>	PM 10 and PM2.5 found higher than baseline values but within the standard limit and less than Q2 results. Control measures like water sprinkling and sprinklers at batching plant will be ensured at construction site. SO <sub>2</sub> , NO <sub>x</sub> and CO are within

Component	Parameters /Pollutants	Standard	Base line status	Monitoring result during previous reporting period Q2(April-June2023)	Monitoring result during reporting period Q4(October -December 2023)	Remarks
						limits.
<b>Water Quality (Ground water)</b>	Following parameters are specified in the monitoring plan: pH TDS TSS Hardness BOD Faecal Coliform (applicable standards – national-  Drinking Water Quality Standards specified in IS:10500)	CPCB Standards for Surface water bodies and Drinking Water Standards for Potable water	pH=6.9 TDS=78mg/l TSS=<1.0 mg/l Hardness (as (CaCO <sub>3</sub> ) =24 BOD= nill EC=123 $\mu$ S/cm Turbidity=54NTU Ca=18mg/l Mg =6mg/l TA=42mg/l Cl <sup>-</sup> =10.0 F <sup>-</sup> =0.248mg/l SO <sub>4</sub> <sup>2-</sup> =4.2mg/l NO <sub>3</sub> <sup>-</sup> =2.4mg/l RCl <sub>2</sub> =nill COD=nill P=nill Fe=2.4mg/l Pb=0.05mg/l Zn=0.06mg/l Cu=0.03mg/l Cr=0.06mg/l Ni=0.10mg/l Cd=0.02mg/l Hg=0.001mg/l As=0.01mg/l Total coliform=nill Faecal coliform=nill	pH=6.8 TDS=132mg/l Turbidity= 27NTU DO= 7.3mg/l Hardness =96mg/l BOD= nill Ca=78mg/l Mg=18mg/l TA=72mg/l Cl <sup>-</sup> =78mg/l F <sup>-</sup> =0.29mg/l SO <sub>4</sub> <sup>2-</sup> =18.6mg/l NO <sub>3</sub> <sup>-</sup> =3mg/l RCl <sub>2</sub> =bdl  Total F <sup>-</sup> =0.29mg/l Cu=bdl Fe=0.16mg/l Cd=bdl Pb=bdl Zn=0.006mg/l Cr =bdl Hg=bdl Ni=bdl Mn=0.039mg/l Sl=bdl As=bdl Faecal Coliform= nill	pH=7.17 TDS=124mg/l Turbidity= 4.83 NTU DO= 6.4 mg/l Hardness =92.16 mg/l BOD=<2 Ca=42.22mg/l Mg=12.54mg/l TA=84.0mg/l Cl <sup>-</sup> =42.8 mg/l F <sup>-</sup> =1.02mg/l SO <sub>4</sub> <sup>2-</sup> =37.5mg/l NO <sub>3</sub> <sup>-</sup> =3.93 mg/l RCl <sub>2</sub> =bdl  Total F <sup>-</sup> =0.29mg/l Cu<0.05 Fe=0.39mg/l Cd<0.05 Pb<0.01 Zn<0.05mg/l Cr <0.05mg/l Hg<0.001 Ni=bdl As=0.002 Faecal Coliform= nill	All parameters of water quality were found within permissible levels.
<b>Water quality (Surface water)</b>	Physico chemical parameters	CPCB Standards for Surface water bodies and	pH=6.3 TDS=nill TSS=26mg/l Hardness (as (CaCO <sub>3</sub> )=102mg/l	pH=7.6 TDS=86mg/l TSS=28 mg/l Hardness (as (CaCO <sub>3</sub> ) =46	pH=7.39 TDS=125mg/l TSS=13mg/l Hardness (as (CaCO <sub>3</sub> ) =112mg/l	All parameters of water quality were found within permissible

Component	Parameters /Pollutants	Standard	Base line status	Monitoring result during previous reporting period Q2(April-June2023)	Monitoring result during reporting period Q4(October -December 2023)	Remarks
		Drinking Water Standards for Potable water	EC=416 $\mu$ S/cm Turbidity=20NTU Total alkalinity as CaCO <sub>3</sub> =196mg/l Ca=62mg/l Mg =40mg/l Cl <sup>-</sup> =90mg/l F <sup>-</sup> =0.223mg/l SO <sub>4</sub> <sup>2-</sup> =30.2mg/l NO <sub>3</sub> <sup>-</sup> =1.2mg/l PO <sub>4</sub> =0.68mg/l COD=12.4mg/l BOD=3.4mg/l DO=7.4mg/l P=0.68mg/l Fe=1.6mg/l Pb=0.11mg/l Zn=0.13mg/l Cu=0.03mg/l Cr=0.06mg/l Ni=0.10mg/l Cd=0.02mg/l Hg=0.001mg/l As=0.01mg/l Total coliform=1500MPN/100ml Faecal coliform=730MPN/100ml	EC=137.2 $\mu$ S/cm Turbidity=8.2 NTU Total alkalinity as CaCO <sub>3</sub> =112mg/l Ca=32mg/l Mg =14mg/l Cl <sup>-</sup> =6.0 mg/l F <sup>-</sup> =0.306mg/l SO <sub>4</sub> <sup>2-</sup> =18.8mg/l NO <sub>3</sub> <sup>-</sup> =1.5mg/l PO <sub>4</sub> =0.12mg/l COD=12mg/l BOD=3.2mg/l DO= 7.4mg/l P=nill Fe=0.20mg/l Pb=0.05mg/l Zn=0.42mg/l Cu=bdl Cr=bdl Ni=bdl Cd=bdl Hg=bdl As=bdl Total coliform=3500MPN/100ml Faecal coliform=1100MPN/100ml	EC=395 $\mu$ S/cm Turbidity= 11.56NTU Total alkalinity as CaCO <sub>3</sub> =1.2 mg/l Ca=18.62mg/l Mg =2.16mg/l Cl <sup>-</sup> =31.4 mg/l F <sup>-</sup> =2.08mg/l SO <sub>4</sub> <sup>2-</sup> =17.8mg/l NO <sub>3</sub> <sup>-</sup> =1.93mg/l PO <sub>4</sub> = mg/l COD=11mg/l BOD=3mg/l DO= 6.8mg/l Fe=0.15mg/l Pb=<0.01mg/l Zn=<0.05mg/l Cu=0.08 Cr=<0.05 Cd=<0.05 Hg=<0.001mg/l As=<0.001mg/l Total coliform=142MPN/100ml Faecal coliform=1.2x10 <sup>2</sup> MPN/100ml	levels

**Table-10: Base Line Environmental Monitoring results- CW03 Package(Upgradation of Interim Campus at ITI Guwahati)**

Component	Parameters /Pollutants	Standard	Base line status	Remarks
<b>Noise</b>	Leq(Day) in dB(A) Leq (Night) in dB(A)	Noise Standards - 65 dB(A) for Day Time 55 dB(A) for Nighttime	Leq (day)= 61.50 dB(A) Leq (Night)= 53.90 dB(A)	The baseline noise levels exceed the limits of sensitive areas as the site is within the campus of ITI Guwahati. Noise protection measures will be taken up during the construction activities.
<b>Air Quality</b>	PM <sub>10</sub> PM <sub>2.5</sub> SO <sub>2</sub> NO <sub>x</sub>	PM <sub>10</sub> =100 µg/m <sup>3</sup> PM <sub>2.5</sub> = 60 µg/m <sup>3</sup> SO <sub>2</sub> = 80 µg/m <sup>3</sup> NO <sub>x</sub> = 80 µg/m <sup>3</sup>	PM <sub>10</sub> =93 µg/m <sup>3</sup> PM <sub>2.5</sub> = 52 µg/m <sup>3</sup> SO <sub>2</sub> = 7.12 µg/m <sup>3</sup> NO <sub>x</sub> = 25.86 µg/m <sup>3</sup>	All parameters of ambient air quality are well within the stipulated limits of CPCB
<b>Water Quality</b>	Following parameters are specified in the monitoring plan: pH TDS TSS Hardness BOD Faecal Coliform (applicable standards – national-  Drinking Water Quality Standards specified in IS:10500)	CPCB Standards for Surface water bodies and Drinking Water Standards for Potable water	pH=7.31 TDS=146mg/l Turbidity= 3.29 NTU Hardness =162.34 mg/l Ca=54.62mg/l Mg=23.10mg/l TA=154.22mg/l Cl <sup>-</sup> =8.19 mg/l F=1.08mg/l SO <sub>4</sub> <sup>2-</sup> =44.25mg/l NO <sub>3</sub> <sup>-</sup> =3.16 mg/l Cu<0.05 Fe=0.34mg/l Pb<0.01 Zn<0.05mg/l As=0.002 Faecal Coliform= nill	All parameters of water quality are well within the stipulated limits of drinking water specified in IS:10500 (2012)

**VII. ANY OTHER ENVIRONMENTAL ASPECTS, IMPACTS OBSERVED DURING  
IMPLEMENTATION WHICH WERE NOT COVERED EARLIER**

26. No unforeseen or abnormal adverse environmental impact observed during the reporting period. This is the Fourth Environmental Monitoring Report. During the site visit to various construction sites, the environmental specialist of PMU conducted safeguard training programs for construction crew and contractors HSE officials deployed at site during current reporting period. Training programs were on Health, Safety and Environmental Management Plan. The photographs of capacity buildings are given in **Annexure-1**.

### **VIII. DETAILS OF COMPLAINTS RECEIVED FROM PUBLIC AND ACTION TAKEN THEREOF TO RESOLVE**

27. During this reporting period, no grievance has been received at the ASU site. Contractors have been briefed on the GRM and instructed to ensure the speedy resolution of any grievance.

28. The Grievance Redressal Board, Complaint Box and complaint Register exist at the ASU site and office.

29. **Approach to GRC in ASU.** Affected person or aggrieved party can approach the GRC for redress of his/their grievances through any of the following modes:

- **Web based:** A separate corner has been developed at the ASU website so that public and affected person can register their complaints via email id given in the website (grc.asup@gmail.com)
- ASU project information board is installed at site and on this board, contact details (name, phone number and email) of complaint receiving officer is available. A grievance register and grievance box has also been put at the site for receiving complaints.
- **Telephone based:** The complainants can either make phone call or WhatsApp to the registered phone number. A telephone number (8638934294) is available on the website of ASDM/ASU and at the construction site so that public can register their complaint through telephone and mobile phone to the ASU site office and PMU office.
- **Postal:** The complainant can post their grievances to ASU office address put in the project board or website. (3<sup>rd</sup> Floor, DECT Complex, A.K.Azad Road, Rehabari 781008) Details of registered mobile number, email id and postal address given in ASU website in the link <https://www.asu.ac.in/contact-us.php>

## IX. FOLLOWUP ACTIONS AND CONCLUSIONS

30. Site supervision will be regularly carried out to ensure that environmental impacts are being adequately mitigated and to ensure continuation of compliance with statutory regulations as required by laws and agreed upon in EMP. The contractors are being regularly guided and instructed to pay attention to environmental issues and adhere to the provisions of EMP. The PMU environmental specialist conducted consultation and informal onsite orientation for the contractor's supervisory staff and site engineers for EMP implementation. Regular consultations and contractor orientation will be continued in the next reporting period also. Environmental monitoring will be taken up as per monitoring plans of respective subprojects under construction.

31. The stakeholder consultations have been taken up by PMU with institutional stakeholders and their suggestions are being incorporated in project implementation. In the current reporting period informal discussion/consultations were taken up at local level by the environmental specialist of PMU and relevant suggestions were considered in construction. The details on awareness program/ consultation have been covered in **Section-X** of this report. In future consultations will also be continued.

32. The summary of actions points reported in the previous SEMR (Feb 23-July 23) & compliance status in current reporting period has been given in **Table 11**. The action points based on environmental performance review of the reporting period (Aug 23-Jan24) for the follow up in the next reporting period are given in **Table 12**.

**Table-11: Actions points reported in the previous SEMR (Feb 23-July 23) & Status of Compliance in current reporting period**

Action Point	Status of Compliance
<b>ASU Project</b>	
Obtaining Consent to Establish (CTE) for the ASU project from Assam Pollution Control Board	The CTE has been obtained. Attached in Annexure-14.
<b>CW01 (Boundary wall) Construction Package</b>	
Update insurance policy for all workers at site including medical insurance	Contractor has been instructed to submit an updated policy for all workers at site including medical insurance. PMU has been following up with the contractor
The Labor licenses of the contractors to be updated for increased workforce.	The CW01 contractor has obtained Labor license for 60 workers. During the reporting period worker numbers were within the license limit.
Source approvals for construction materials to be submitted by the CW01 contractor	CTO for aggregates and royalty for sand submitted by contractor .Attached in Annexure-12.
Improvement of sanitation and Drinking water facilities at the workers' camp of the contractors as well as LPG gas supply for food cooking	Sanitation and workers camp facilities improved from the previous reporting period but improvement is still required. PMU and PMC team is monitoring the worker camp conditions for further improvement
Identification of locations for the disposal of excess construction waste for the construction packages of ASU	During the reporting period no waste was disposed outside the premises. It is stored within the site. The contractors with the assistance of PMU, PMC and local civic body have identified location (s) for the disposal of construction wastes. These are under consideration for approval at PMU/PMC.

Action Point	Status of Compliance
<b>CW02 (Campus and facilities) Construction Package</b>	
Update insurance policy for all workers at site including medical insurance	The CW02 contractor has updated the insurance policy for adequate number of workers. Attached in Annexure-16.
The Labor licenses of the contractors to be updated for increased workforce.	CW02 has obtained contract and migrant license for 300 workers and 150 respectively. Contract labor and Migrant labor license. Attached in Annexure-9 and Annexure-11 respectively.
Timely environmental monitoring for post monsoon and winter seasons	CW02 contractor conducted monitoring in December 2023. Results attached in Annexure-5
Dust mitigation measures need to be strengthened.	In the reporting period contractor provided water tanker and miller for water sprinkling on the site and access road. PM10 and PM2.5 were recorded within stipulated limits in December 2023 monitoring
Permission for diesel storage from District administration	During the reporting period diesel was stored in drums that not exceeded threshold limit (2500 liters) as per Manufacture, Storage and Import of Hazardous Chemical Rules 2016 and contractor has been using Diesel dispenser for the refueling of vehicle and machinery.
Improvement of sanitation and drinking water facilities at the workers' camp of the contractors as well as LPG gas supply for food cooking	Sanitation and drinking water facilities at workers camp have been improved from previous reporting period but still further improvement required. The PMU and PMC team is monitoring the workers camp for further improvement
Obtaining NOC for borrow earth from Deputy Commissioner, Darrang	At present contractor is depositing Royalty and all necessary submission to Forest Department and DC office completed by the CW02 contractor. CW02 has been instructed to submit NOC for borrow earth from Deputy Commissioner, Darrang.
EC for sand and gravel to be renewed by CW02	CW02 has been instructed to submit renewed EC of quarry for sand. In process (Annexure 12) CTO copy for aggregates received (Annexure 12)
Identification of locations for the disposal of excess construction waste for the construction packages of ASU	During the reporting period no waste disposed outside the premises. It was stored within the site. The contractors with the assistance of PMU, PMC has identified location for the disposal of construction wastes. These locations are in approval process.

**Table-12: Action points based on environmental performance review of the reporting period (August 23 – January 24) to be followed in the Next Reporting Period (February 2024 – July 2024 Period)**

Action points	Remarks
Obtaining Consent to Establish (CTE) for the 2 <sup>nd</sup> Batching Plant of CW02	CW-02 contractor will be followed up for obtaining the CTE for the 2 <sup>nd</sup> Batching Plant from Assam Pollution Control Board
Renewal of Consent to Operate (CTO) for the 1 <sup>st</sup> Batching Plant of CW02	CW-02 contractor has been instructed for renewal of the CTO for the Batching Plant prior to expiry of

Assam Skill University Project- Loan No. L4166-IND  
Semi Annual Environmental Monitoring Report for (August 23-January 24)

Action points	Remarks
Quarterly Environmental Monitoring by the contractors	validity (31 <sup>st</sup> March 2024) and is being followed up All the contractors will be followed up for timely environmental monitoring.
Insurance Policy renewal of CW01	Contractors will be followed up for the renewal of Insurance Policy.
Renewal of Consent to Operate (CTO) for the crusher operated by Aggregate Supplier	The CW02 contractor will be followed up for the renewal of Consent to Operate (CTO) for the crusher operated by aggregate supplier (expiry on 31 <sup>st</sup> March 2024)
Obtaining NOC for borrow earth from Deputy Commissioner, Darrang. EC for sand and gravel to be renewed by CW02	CW02 has been instructed to submit NOC for borrow earth and renewed EC of quarry for sand and gravel.
Obtaining Labor License by CW03 contractor	The contractors will be followed up for obtaining the labor licenses.
Obtaining Labor insurance by CW03 contractor for all categories as well as for adequate number of workers.	The contractors will be followed up for obtaining the Labor insurance.

## **X. SITE SAFETY AND HOUSEKEEPING**

33. At the site necessary measures for safety and housekeeping are adopted by both the contractors. These measures include PPE usage by the workers and technical staff, proper barricading of site portions having injury prone materials such as steel rods, temporary barricading at stairs in the buildings under construction, and proper upkeep of site by segregating construction waste, domestic waste, and discarded construction materials.

## XI. STAKEHOLDER CONSULTATIONS AND DISCLOSURE

### A. Process For Consultations Followed

34. The detailed design and construction of ASU campus and facilities does not involve any elements which could have an adverse impact on the community. There is no deprivation of any sort for the residents or displacement of any groups. Particularly, with regard to environmental impacts, this subproject can be characterized as having no significant adverse impacts.

35. In view of this, the need for holding a public hearing (as defined in EIA Notification 2006 of GoI) was not perceived as EIA Notification is not applicable to ASU project. However, in compliance with the ADB's guidelines, focused public consultations are being undertaken in the ASU site in Mangaldai. The consultations were held in a timely manner. The number of participants (male and female) is given in **Table-13**.

36. The process of consultations is an integral part of the ASU campus design and environmental assessment, in accordance with ADB's guidelines to achieve the following objectives:

- To educate the general public, specially potentially impacted or benefited communities, individuals and stakeholders about the proposed ASU and its detailed design and construction;
- To familiarize the people with technical and environmental issues of the detailed design and construction of ASU campus and facilities for better understanding.
- To solicit the opinion of the communities, local authorities and individuals on environmental issues and assess the significance of impacts due to the subproject;
- To foster co-operation among officers of EA and IA, the community and the stakeholders to achieve a cordial working relationship for smooth implementation of the project; and
- To identify the environmental issues relating to the proposed activity.

37. During the previous reporting period, consultations with the district administration and local people were done during the preparation and implementation of the storm water drainage plan for ASU. During the consultation with local people on 25<sup>th</sup> May 23, discussion was held for the upcoming monsoon and the possible impact due to landfilling. The local people wanted an access road near their residence to be raised so that their access to the homes are not disturbed. Accordingly, the contractors had raised the road for their easy access during monsoon. The dates of consultations and stakeholders consulted in the current reporting period are summarized in **Table.13** and details of discussions in **Table.14**.

**Table-13: Dates and Stakeholders Consulted**

Sl. No.	Stakeholder Consultations held	Dates of Consultations	Number of Participants	
			Male	Female
1	World AIDS day- Awareness Programme for workers and local people (Annexure 1A)	01 December 2023 57	57	00
2	Training on safety for construction workers (Annexure 1B)	12 January 2024 13	13	01
3	Meeting with Water resources department, Revenue officials and ASUP officials planning regarding	30 January 2024 09	09	02

Sl. No.	Stakeholder Consultations held	Dates of Consultations	Number of Participants	
			Male	Female
	Storm water drainage plan outside ASU Campus (Annexure 1C)			
4	Plantation drive at ASU Campus along with Vice Chancellor ASU, ASUP officials, contractor staffs and workers and local people. (Annexure 3)	17 September 2023	(attendance not taken)	
5	ADB Safeguard Review mission. (Annexure 2)	04 November 2023	16	03

**Table-14: Details of discussion with stakeholders**

1	World AIDS day- Awareness Programme	An orientation workshop on HIV/AIDS &2017 ACT of Health care provider was conducted by Officials of Assam State AIDS Control Society in collaboration with Mangaldai Civil Hospital for all the workers and staffs of CW02, CW01, CS02 at ASU site to bring awareness about AIDS and other STDs. The experts provided clarifications to the participating workforce.
2	Training on safety for construction workers	The PMU Environment specialist along with the HSE Manager, CW02 conducted on site training for the construction workers on the importance of usage of PPE kits at all the building construction sites. They explained when and how to use the PPE kits and also the risk of working without using PPE.
3	Meeting with Water resources department, Revenue officials, Darrang	The storm water drainage of ASU campus was discussed with Water resources department, Revenue officials, Darrang and NHAI Officials. The drainage plan was finalized after discussing the regarding feasibility of the proposed drainage with all the departments along with the estimate to be prepared for the work. Water resource Dept. Darrang Work order for the same to be released to Water resource Dept. Darrang shortly.
4	Plantation drive	A plantation drive was conducted at ASU site along with ASUP, ASU Officials, CW02, CS02 and local people on the event of Amrit Bishya Andolan by Govt. of Assam.
5	ADB Safeguard Review Mission	One day safeguard review mission was conducted by ADB safeguard officers with PMU, ASP, CS01 and CW02. Site conditions which required improvement were identified and accordingly corrective actions were taken and action taken report was prepared and sent to ADB

## **B. Future Consultation and Information Disclosure**

38. Most of the suggestions of stakeholders during consultation were considered in the project design. To ensure continued public and stakeholder participation in the ASU project life cycle, periodic consultations and focus group discussion will be continued. The participatory process will ensure that all views are adequately reviewed and suitably incorporated in the design and implementation process. Further, to ensure an effective disclosure of the ASU project

proposal to the stakeholders and the communities in the vicinity of site, a project awareness campaign will be carried out.

### **Information Disclosure**

39. Electronic version of the revised IEE documents of the CW01, CW02 and CW03 IEE has been placed in the official websites of the ASU and ADB (both in English and Assamese) The weblink for the IEE reports is <https://www.asu.ac.in/reports.php>. On demand, any person seeking information can obtain a hard copy of the complete IEE document from the office of the PMU and ASU site office on a written request. The hard copies of the revised IEE report in Assamese language is available at ASU office, Guwahati, ASU site office, Mangaldai and Deputy Commissioner office, Darrang for reference.

## ANNEXURE-1: CAPACITY BUILDING ON ENVIRONMENTAL SAFEGUARD

### A. World AIDS Day Observed on 01<sup>st</sup> December 2023





NAME:	AANA MEETING ATTENDANCE SHEET	
DATE	NAME OF GROUP	SIGNATURE
	Jay Shankar	
	MINAJI RABBA	
	Rabikul Sarker	
	SABIKUL	
	Sonika Roy	
	Deba Jit Nore	
	Bindu Hati	
	Sanjot Ghosh	
	Binit Muji	
	Yashodhara	
	Mohimuddin Kumar	
	Nirmal Singh	
	Razia Hossen	
	Shafiquzzaman	
	Tahimuddin Ali	
	Monowar Ali	
	AFTAR ALI	
	Model LG	
	MOU	
	Zainul Haq	
	Kumara Chetan	
	Mithun Das	
	Mushtaq Ali	
	Parbat Kumar	
	Parbat Kumar	
	Jahangir	
	Jahangir	

**B. Training on Environmental Safeguard, Health, Safety and Welfare**





**C. Storm water drainage meeting with stakeholders (Minutes attached)**

**Minutes of Discussion (30/01/2024)**

Meeting / Project Name:	Discussion on Storm water drainage of Assam Skill University Campus		
Date of Meeting:	30/01/2024	Time & Location:	12:00 pm to 2.00 pm

**Meeting Objective**

Discussion on Storm water drainage of Assam Skill University Campus

**Members present:**

Name	Designation /Organization
Mr. Jyotish Kumar Sarmah	OSD, ASU
Mr. Kishor Kr. Pathak	EE, Darrang W.R. Division
Mr. Abdul Matin	AEE, Mangaldai W.R. Subdivision
Mr. Paresh Deka	PTM, ASUP
Mr. Paresh Nath	PTC, ASUP
Mr. Babul Bordoloi	Lat Mandal, Revenue Deptt, Darrang
Mr. Durgeswar Deka	Lat Mandal, Revenue Deptt, Darrang
Ms. Sanghita Dutta	Environment Specialist, ASUP
Ms. Ellora Kalita	Civil Engineer, ASUP
Mr. Yashman Angira	Site Engineer, ASUP
Mr. Jayanta Chakraborty	TL, CS02

Mr. Jyotish Kumar Sarmah, OSD, ASU presided over the meeting.

**Points discussed:**

The meeting discussed on the site plan submitted by the architect of the CW02 contractor, where it has been observed that the whole plot of the complex was divided into three Zones- **Zone 1, Zone 2 and Zone 3** (Plan attached in Annexure 1). Now, after threadbare discussion with the officials concerned, the following points have been recorded:

1. **Zone 2** may be connected to **Mangaldai River** (via **Maharishi School**). The approximate length of the proposed channel will be around **2.5 KM** as mentioned by the Revenue Personnels.
2. **Zone 3** may be connected to **Noanadi River** via **Kamarpara village**. The approximate length of the proposed channel will be around **1.20 KM**.
3. **Zone 1** may be connected to **Moranadi River** which is to be developed. Or otherwise **Zone 1** can be connected to **Zone 2**.

Contd.

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However, it is decided to arrange one meeting on 9<sup>th</sup> Feb,2024 at ASU site inviting all the concerned agencies and stakeholders to discuss the matter in details and to finalize the action plan before ensuing summer.



(Jyotish Kumar Sarmah)  
Officer on Special Duty  
Assam Skill University

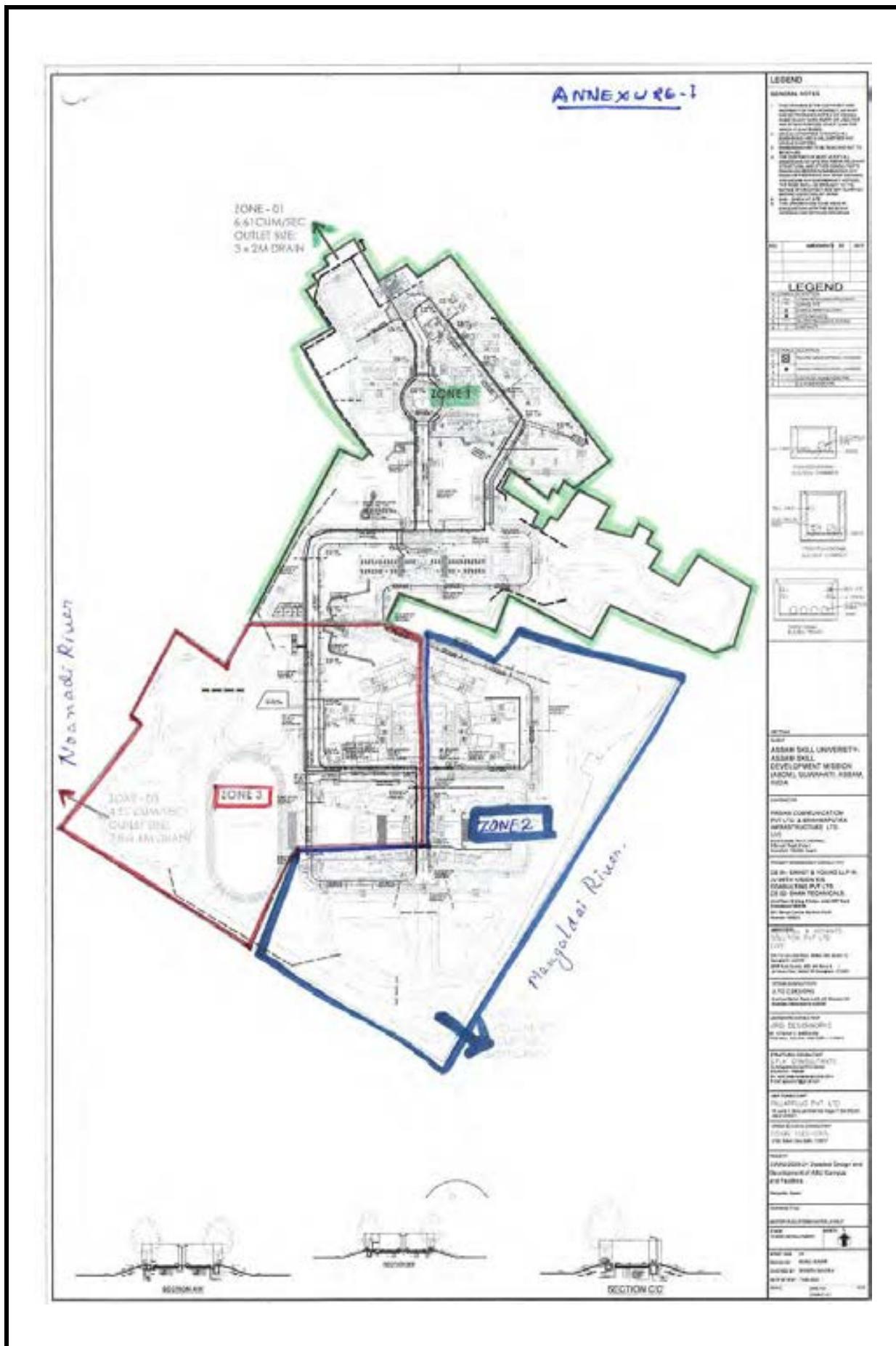
Copy to (through email \*):

1. EE, Darrang W.R. Division for information and necessary action
2. \*PTM, ASUP for information and necessary action
- 3.\* PTC, ASUP for information and necessary action
4. \*TL, CS02 for information and necessary action
5. \*CW02 for information and necessary action
6. Revenue Deptt, Darrang for information and necessary action

Copy forwarded to:

- 1.V.C, ASU for favour of kind appraisal
2. CEO, ASUP for favour of kind appraisal

  
(Jyotish Kumar Sarmah)  
Officer on Special Duty  
Assam Skill University



## Annexure - 2.

DATE: 30/01/2024

48

**ANNEXURE-2: ADB REVIEW MISSION 04TH NOVEMBER 2023 AT ASU SITE**





**ANNEXURE-3: A PLANTATION DRIVE WAS ORGANISED AT THE ASU SITE IN  
PRESENCE OF HONOURABLE VC, ASU AND PMU, ASUP AND CONTRACTOR STAFFS  
ON 17TH SEPTEMBER 2023.**



**ANNEXURE-4: GRIEVANCE REDRESSAL MECHANISM OF ASUP**



GOVERNMENT OF ASSAM  
SKILL, EMPLOYMENT & ENTREPRENEURSHIP DEPARTMENT  
DISPUR::GUWAHATI-6  
Block-D, 1<sup>st</sup> Floor, Janata Bhawan, seed-deptt@assam.gov.in,  
<https://skill.assam.gov.in/>

No. SKM.39/2021/28

Dated Dispur, the 16<sup>th</sup> December, 2021.

DRD - ASUP  
Legal Services

From : Smt. Madhuchanda Talukdar, ACS,  
Deputy Secretary to the Govt. of Assam,  
Skill, Employment & Entrepreneurship Department.

To : The Mission Director,  
Assam Skill Development Mission,  
Garchuk, Guwahati 781.

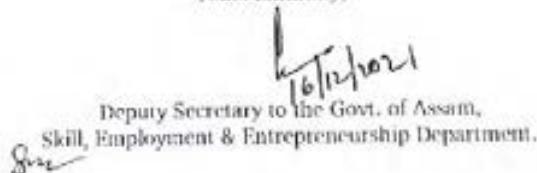
Sub : Modified three tier Public Grievance Redressal Mechanism for Assam Skill University.

Ref : Letter No. ASDM/ASUP/2/2021/13 dt'd. 30/11/2021.

Sir,  
With reference to the letter and subject cited above, I am directed to convey the approval regarding modification in the previously approved three tier Public Grievance Redressal Mechanism for Assam Skill University as per recommendation of senior education specialist, ADB.

This has the approval of Principal Secretary, Skill, Employment & Entrepreneurship Department.

Yours faithfully,

  
16/12/2021  
Deputy Secretary to the Govt. of Assam,  
Skill, Employment & Entrepreneurship Department.

Memo No. SKM.39/2021/28 A

Dated Dispur, the 16<sup>th</sup> December, 2021.

Copy to  
PS to Principal Secretary, Skill, Employment & Entrepreneurship Department for kind appraisal of  
Principal Secretary.

By order etc,

  
Deputy Secretary to the Govt. of Assam,  
Skill, Employment & Entrepreneurship Department.

Grievance Redressal Mechanism for Assam Skill University Project

The grievance redressal mechanism (GRM) for Assam Skill University Project will be established at three levels: (i) on site; (ii) project management unit (PMU); and (iii) Assam State government. Details of the GRM to be established at the three levels are described below. The complainant is free to approach the Court of Law at any time during the process or even before approaching the GRM.

**1. LEVEL 1 – ON SITE, Implementing Agency**

1. **Grievance Redressal Officer (GRO), Level 1:** DPMT Darrang, ASDM/Communication manager(PMU)
2. **Mode of Complaints:** a) On Site Grievance Redressal Box; b) ASDM Website; c) Telephonic; d) By post
3. **Responsibility for Maintenance of Grievance Register:** Site Engineer.
4. **Process:**
  - i. Grievance Redressal Box will be installed at the site office along with information of the Grievance Redressal Officer at the respective level (designation, address and contact no).
  - ii. In case of any telephonic complaints to the GRO, the receiving officer will register the complaint in the site register.
  - iii. In case a site specific complaint is received through ASDM website, the same will be sent by Gender and Indigenous People Specialist, PMU for ASU Project to the DPMT/communication Manager, via email and letter with copy to the Executive Engineer PWD. Details of the complaint received through website will be recorded in the site register.
  - iv. Grievance register will be maintained at the site by DPMT, to record the details of complaints and corrective action taken.
  - v. DPMT/Communication Manager will be responsible for checking the Grievance Redressal Box everyday /once in a week on a designated day and recording the complaint in the grievance register.
- vi. **A Site Level Grievance Redressal Committee (GRC) will be formed headed by the Grievance Redressal Officer.** The Committee will comprise of
  - a. DPMT, ASDM;
  - b. Communication Manager, PMU;
  - c. Civil Engineer, PMU;
  - d. Environment specialist, PMU;
  - e. Gender and Indigenous peoples specialist, PMU;
  - f. Locally elected representative of the local panchayat
- vii. Upon the receipt of the complaint through drop box or website, Communication Manager/DPMT will record the details of the complaint in the register and intimate the Deputy Project Director, PMU) within 2 working days of receipt of the Complaint. The GRO will issue a meeting notice for resolving the complaint to all members of the Committee and the Complainant. The meeting will be conducted within 10 working days of the receipt of the complaint.
- viii. **Meeting of the GRC:** The members of the GRC will discuss the matter with the complainant and resolve the matter amicably. A letter will be issued to the complainant with reference to the meeting providing the solution to the complaint. Details of the solution and date of letter will be recorded in the Grievance register.
- ix. In case, **the issue is not resolved during the Meeting of the GRC, Level 1** the GRO will present the matter to the GRO, Level 2 i.e. CEO, ASU Project for resolution by the Grievance Redressal Committee at Level 2. Such an escalation will be made within 7 working days of conducting the GRC Level 1 meeting. Details of the escalation will be recorded in the Grievance register by the Deputy Project Director, PMU.
- **Monthly Grievance Redressal Report:** At the end of every month, GRO level 1 will submit information on the grievances received, date of complaint, corrective action and copy of the letter sent to the complainant to the CEO, ASU Project for information and record on monthly basis.

**5. LEVEL 2 – PMU LEVEL at Implementing Agency**

1. **Grievance Redressal Officer (GRO), Level 2:** Mission Director, ASDM and CEO of ASU project.
2. **Mode of Complaints:** a) Grievance Redressal Box at ASDM Office; b) Escalation from GRO Level c) Website d) By post e) Telephonic
3. **Responsibility for Maintenance of Grievance Register:** Gender and Indigenous People Specialist, PMU
4. **Process:**
  - i. ASU Grievance Redressal Box will be installed at ASDM head office along with information of the Grievance Redressal Officer at the respective level (Designation, address and contact no.).
  - ii. In case of any telephonic complaints to the GRO, the receiving officer will register the complaint in the site register.
  - iii. In case of a complaint received through website, the Gender and Indigenous People Specialist, PMU will be responsible for sending the Grievances to the concerned levels by email as well as letter. For e.g.: Site specific complaints to respective Site Engineer (with copy to Ex Eng. HPPWD of the concerned site). Zone level complaints to the concerned Project Manager, PWD. In case the complaint pertains to the PMU level, the same will be put up before the Mission Director, ASDM. All web based complaints will be sent to the concerned levels within 5 working days of receipt of the complaint.
  - iv. Grievance register will be maintained at the Gender and Indigenous peoples Specialist, PMU to record the details of complaints received at the PMU level and action taken.
  - v. **Grievance Redressal Committee, Level 2:** This will be formed at the State level, and will be headed by the MD, ASDM. The committee members will include
    - a. CEO, ASU Project;
    - b. HR & Admin, ASDM;
    - c. Gender Specialist, PMU;
    - d. Environment Specialist, PMU;
    - e. Legal Advisor, ASDM
  - vi. Upon the receipt of the complaint, the GRO will convene a meeting of the Committee within 10 working days. The respective GRO level 2 and Deputy Project Director of PMU will also be called for the meeting. The matter must be resolved by the GRC, level 2 within 30 days of receipt of the complaint.
  - vii. The solution approved by the committee will be formally intimated to the complainant through a letter. Wherein, the solution along with information on level 3 of the Grievance Redressal will also be provided (in case the complainant is not satisfied with the solution provided at the PMU level, she/he may escalate the same to Level 3). In case of an escalation from level 2 to level 3, a copy of the letter will also be sent to the GRO, Level 2.
  - viii. In case the complaint cannot be resolved at by the PMU GRC Level 2, the matter will be escalated by the CEO, ASU Project for presentation in the State Level Steering Committee(SEED) and the same will be communicated to the complainant.
  - ix. **Quarterly Grievance Redressal Report:** At the end of every quarter, Gender and Indigenous Peoples Specialist, PMU will compile information on the grievances received and corrective action taken from all the zones and ASDM. The report will also be included in the Quarterly Progress report on ASU project to be submitted to ADB.

❖ **LEVEL 3 – STATE LEVEL, Executive Agency(SEED)**

1. **Grievance Redressal Officer (GRO), Level 3:** Senior most Secretary, SEED, Govt. of Assam
2. **Mode of Complaints:** a) Escalation from GRO Level 2; b) Escalation of Complaint by Complainant dissatisfied with Level 2 Solution.
3. **Responsibility for Recording in the PMU Level Grievance Register:** Such complaints will be recorded in the PMU Grievance Register itself by the Gender Specialist, PMU
4. **Process:**
  - i. The grievances which cannot be resolved at the PMU level or where the matter is directly presented to the Principal Secretary by the complainant will be deliberated upon in the SLSC meeting and the solution for the same will be intimated to the complainant via letter. The details will be recorded in the Grievance register and copy of the letter will be provided to all the concerned GRO's for information and record.
  - ii. In case the complainant is still dissatisfied with the solution, he/she may approach the Court of Law.
  - iii. **Quarterly Grievance Redressal Report:** Gender and Indigenous peoples Specialist will include information on such grievances in the Quarterly Grievance report as mentioned at Level 2.

**ANNEXURE-5: QUARTERLY ENVIRONMENTAL MONITORING RESULTS ASU CAMPUS.**

**Quarter 4 (October-December 2023)**



**ABNS SCIENTIFIC SERVICES**

এবিজ্ঞানিক চাইেন্টিফিক সার্ভিসেজ  
বৰীএনএস সাইণ্টিফিক সর্ভিসেজ

H-152, Keteki Path, near Radisson Blu, NH 27, Guwahati 781033, Assam

কেটেকী পথ, রেডিসন ব্লু কে পাস, এন এইচ ২৭, গুৱাহাটী ৭৮১০৩৩, অসম

Email: info@abnsscientific.com, abnsscientific@gmail.com

Phone: 98640 68513, 98640 89951

**TEST REPORT**

Report No. : ABNS/EM/010524/23

Date : 05/01/2024

Name & Address of the Customer:

The Project Manager

Project Name & Address :

PCPL & BIL(JV)

Assam Skill University Project, Mangaldoi,

4<sup>th</sup> Floor, Royal ArcadeB, Barual, Road,

Darrang, Assam.

Guwahati-781007, Assam

Ref: ABNS/GHY/EM/122723/04

Date of sampling: 27/12/2023

Sample Description: Noise Level

Location: Near Site Office

(latitude: 26.424572N, longitude: 94.015063E)

**ANALYSIS RESULT**

Sl. No.	Test Parameters	Unit	Result	Method
1	Leq dB (A) Day	dB(A)	64.1	IS: 9989; 1981(Reaff:2014)
2	Leq dB (A) Night	dB(A)	52.8	IS: 9989; 1981(Reaff:2014)
3	L10	---	66.2	IS: 9989; 1981(Reaff:2014)
4	L50	---	54.6	IS: 9989; 1981(Reaff:2014)
5	L90	---	47.3	IS: 9989; 1981(Reaff:2014)

*Note: The results relate to the parameter tested only.*

.....End of Report.....

For ABNS Scientific Services,

Report reviewed By: Dr. Mayur Jyoti Mahanta (QM)



Authorized Signatory  
(Dr. Bidyut Jyoti Sarmah)

*Dr. Bidyut Jyoti Sarmah  
05/01/2024*



## ABNS SCIENTIFIC SERVICES

अविनय इंसिफिक इंसिट्यूट  
एबीएनएस साइंटीफिक सर्विसेज

H-152, Keteki Path, near Radisson Blu, NH 27, Guwahati 781033, Assam

केतेकी पथ, रेडिसन ब्लू के पास, एन एच 27, गुवाहाटी 781033, असम

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Phone: 98640 68513, 98640 89951

### TEST REPORT

Report No. : ABNS/EM/010524/21

Date : 05/01/2024

Name & Address of the Customer:

The Project Manager

Project Name &Address :

PCPL & BIL(JV)

Assam Skill University Project, Mangaldoi,

4<sup>th</sup> Floor, Royal ArcadeB, Baruah Road,

Darrang, Assam.

Guwahati-781007, Assam

Ref: ABNS/GHY/EM/122723/04

Date of sampling: 27/12/2023

Sample Description: AMBIENT AIR

Sampling done by: Mr. Nabajit Pathak (Sampler)

Location: Near Site Office

Sampling Protocol: IS 5182 (Part 5): 2020

(Latitude: 26.424582N, longitude: 92.015208E)

Analysis start Date: 29/12/2023

Weather: Clear

Analysis end Date: 05/01/2024

Environmental Condition: Temperature 21.5°C, Relative Humidity: 64%

### ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	LIMIT	TEST METHOD
1.	Particulate Matter (<10µm)	µg/m <sup>3</sup>	83	100	IS 5182: Part 23:2006 (Reaff. 2012)
2.	Particulate Matter (<2.5µm)	µg/m <sup>3</sup>	47	60	Lab SOP Doc.N0. TPM/ABNS/E/5/D
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	8.22	80	IS 5182 : Part 2 :2001 (Reaff.2012)
4.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	19.48	80	IS 5182 : Part 6 :2006 (Reaff.2012)
5.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	0.09	2	IS 5182 : Part 10 :1999 (Reaff.2014) (NDIR)

Note: The results relate to the parameter tested only.

-----End of Report-----

For ABNS Scientific Services,

Report reviewed By: Dr. Mayur Jyoti Mahanta (QM)



07/01/2024  
Authorized Signatory  
(Dr. Bidyut Jyoti Sarmah)



## ABNS SCIENTIFIC SERVICES

अविष्वनश्च छायेन्टिफिक रार्किट्ट  
एबीएनएस साइंटीफीक सर्विसेज

H-152, Keteki Path, near Radisson Blu, NH 27, Guwahati 781033, Assam

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Phone: 98640 68513, 98640 89951

### TEST REPORT

Report No. : ABNS/EM/010524/24

Date : 05/01/2024

Name & Address of the Customer:

The Project Manager

PCPL & BIL(JV)

4<sup>th</sup> Floor, Royal ArcadeB. Baruah Road,  
Guwahati-781007, Assam

Project Name &Address :

Assam Skill University Project, Mangaldoi,  
Darrang, Assam.

Ref: ABNS/GHY/EM/122723/04

Date of Sampling: 27/12/2023

Sample Description: Ground Water

Sampling done by: Mr. Nabajit Pathak (Sampler)

Source: Bore well

Sampling Protocol: IS 3025 (Part 1): 1987, Reaff. 1999

(latitude: 26.425222N, longitude: 92.015148E)

Analysis start Date: 28/12/2023

Analysis end Date: 05/01/2024

Environmental Condition: Temperature 22.4°C, Relative Humidity: 64%

### ANALYSIS RESULT

Physical & Chemical Test Findings:

Sl. No.	Test Parameters	Test Method	Unit	Result	Norms as per IS: 10500, 2012 (2 <sup>nd</sup> Rev.)	
					Acceptable Limit	Permissible Limit
1	Color	IS: 3025-(part4): 1983 Reaff. 2012	Rating	3	5 Max	15 Max
2	Odour	IS: 3025-(part5): 1983	—	Agreeable	Agreeable	Agreeable
3	Taste	IS: 3025-(part8): 1983	—	Agreeable	Agreeable	Agreeable
4	Temperature	IS 3025 ( Part 09 ) : 1984	°C	17.6	NA	NA
5	pH value	IS: 3025-(part11): 1983 Reaff. 2012	—	7.17	6.5-8.5	No Relaxation
6	Turbidity	IS: 3025-(part10): 1983 Reaff. 2012	NTU	4.83	1 Max	5 Max
7	TSS	IS: 3025-(part17): 1984 Reaff. 1999	mg/l	4.0	—	—
8	TDS	IS: 3025-(part16): 1983 Reaff. 2012	mg/l	124.0	500 Max	2000
9	Conductance	IS 3025 Part 14	μS/cm	0.295	—	—
10	Total Alkalinity as CaCO <sub>3</sub>	IS: 3025-(part23): 1986 Reaff. 2009	mg/l	84.0	200 Max	600 Max
11	Total Hardness as CaCO <sub>3</sub>	IS: 3025-(part21): 2009	mg/l	92.16	200 Max	600 Max



12	Calcium as Ca	IS: 3025-(part40); 1991 Ref, 2009	mg/l	<b>42.22</b>	75 Max	200 Max
13	Magnesium as Mg	IS: 3025-(part46); 1994 Ref, 2009	mg/l	<b>12.54</b>	30 Max	100 Max
14	Sulphate as SO <sub>4</sub>	IS: 3025-(part24); 1983 Ref, 2009	mg/l	<b>37.5</b>	200 Max	400 V
15	Nitrate as NO <sub>3</sub>	IS: 3025-(part34); 1988 Ref, 2009	mg/l	<b>3.93</b>	45 Max	No Relaxation
16	Chloride as Cl	IS: 3025-(part32); 1988 Ref, 2009	mg/l	<b>42.8</b>	250 Max	1000 Max
17	Fluoride as F	IS: 3025-(part60); 2008	mg/l	<b>1.02</b>	1 Max	1.5 Max
18	Phenolphthalein Alkalinity as CaCO <sub>3</sub>	IS: 3025-(part23); 1986 Ref, 2009	mg/l	<b>1.4</b>	NA	NA
19	DO	APHA 22 <sup>nd</sup> Edtn, 2012, 4500 D-C	mg/l	<b>6.4</b>	NA	NA
20	BOD	IS: 3025 (Part 44) 1993; Rifm. 2017	mg/l	<b>&lt;2</b>	NA	NA
21	COD	IS: 3025 (Part 58) 2006; Rifm. 2019	mg/l	<b>&lt;4</b>	NA	NA
22	Sodium	IS: 3025 ( Part 45 )	mg/l	<b>9.2</b>	NA	NA
23	Potassium	IS: 3025 ( Part 48 ) ; 1994, 85th. 2003	mg/l	<b>4.8</b>	NA	NA
24	Cadmium (as Cd)	IS: 3025 (Part 41)	mg/l	<b>&lt;0.05</b>	0.003	No Relaxation
25	Copper as Cu	IS: 3025-(part42); 1992 Ref, 2009	mg/l	<b>&lt;0.05</b>	0.05 Max	1.5 Max
26	Total chromium (as Cr)	IS: 3025 (Part 52)	mg/l	<b>&lt;0.05</b>	0.05	No Relaxation
27	Mercury (as Hg)	IS: 3025 (Part 48)	mg/l	<b>&lt;0.001</b>	0.001	No Relaxation
28	Total arsenic (as As)	IS: 3025 (Part 37)	mg/l	<b>0.002</b>	0.01	0.05
29	Iron as Fe	IS: 3025-(part53); 2003 Ref, 2009	mg/l	<b>0.39</b>	0.3 Max	No Relaxation
30	Lead as Pb	IS: 3025-(part47); 1994 Ref, 2009	mg/l	<b>&lt;0.01</b>	0.01 Max	No Relaxation
31	Zinc as Zn	IS: 3025-(part49); 1994 Ref, 2009	mg/l	<b>&lt;0.05</b>	5 Max	15 Max
32	Total coliform	IS: 1622-1981, Ref: 2014	MPN/100 ml	<b>37</b>	No Relaxation	No Relaxation
33	Faecal coliforms	IS: 1622-1981, Ref: 2014	MPN/100 ml	<b>Not Detected</b>	No Relaxation	No Relaxation

-----End of Report-----

For ABNS Scientific Services,

Report reviewed By: Dr. Mayur Jyoti Mahanta (QM)



Authorized Signatory  
(Dr. Bidyut Jyoti Sarmah)

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- Results relate only to the parameters tested.



## ABNS SCIENTIFIC SERVICES

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एवीएनएस साइटीफीक सर्विसेज

H-152, Keteki Path, near Radisson Blu, NH 27, Guwahati 781033, Assam

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### TEST REPORT

Report No. : ABNS/EM/010524/26

Date : 05/01/2024

Name & Address of the Customer:

The Project Manager

Project Name & Address :

PCPL & BIL(JV)

Assam Skill University Project, Mangaldoi,

4<sup>th</sup> Floor, Royal ArcadeB, Baruah Road,  
Guwahati-781007, Assam

Darrang, Assam.

Ref: ABNS/GHY/EM/122723/04

Date of Sampling: 27/12/2023

Sample Description: Drinking Water

Sampling done by: Mr. Nabajit Pathak (Sampler)

Source: Tube well

Sampling Protocol: IS 3025 (Part 1): 1987, Reaff. 1999

(latitude: 26.429236N, longitude: 92.028084E)

Analysis start Date: 28/12/2023

Analysis end Date: 05/01/2024

Environmental Condition: Temperature 22.4°C, Relative Humidity: 64%

### ANALYSIS RESULTS

Sl. No.	Water Quality PARAMETERS	UNIT	RESULT	REFERENCE METHOD	LIMITS (IS 10500 : 2012)
1	pH	-	7.04	IS 3025 Part 11	6.5-8.5
2	TDS	mg/L	42.0	IS 3025 Part 16	500
3	Total hardness	mg/L	28.30	IS 3025 Part-21	200
4	Calcium	mg/L	11.14	IS 3025 Part-40	75
5	Magnesium	mg/L	3.02	IS 3025 Part-46	30
6	Total Alkalinity	mg/L	52.0	IS 3025 Part-23	200
7	Chloride	mg/L	7.99	IS 3025 Part 32	250
8	Taste	-	Agreeable	IS 3025 Part 8	Agreeable
9	Odour	-	Agreeable	IS 3025 Part 5	Agreeable
10	Colour	Hazen	2.0	IS 3025 Part 4	5.0
11	Turbidity	NTU	2.96	IS 3025 Part 10	1.0
12	Sulphate	mg/L	12.0	IS 3025 Part 24	200
13	Fluoride	mg/L	0.92	IS 3025 Part 60	1.0
14	Nitrate	mg/L	1.93	IS 3025 Part 34	45
15	Conductance	mS/cm	0.283	IS 3025 Part 14	-
16	Lead	mg/L	BDL	IS 3025 Part-47	0.01
17	Copper	mg/L	BDL	IS 3025 (Part 42)	0.05
18	Iron	mg/L	0.32	IS 3025 (Part 53)	0.3
19	Barium	mg/L	BDL	Annex F of IS 13428	0.7
20	Boron	mg/L	BDL	IS 3025 (Part 57)	0.5
21	Manganese	mg/L	BDL	IS 3025 (Part 59)	0.1



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22	Mercury	mg/L	ND	IS 3025 (Part 48)	0.001
23	Nickel	mg/L	BDL	IS 3025 (Part 54)	0.02
24	Chromium (total)	mg/L	BDL	IS 3025 Part-52	0.05
25	Cadmium	mg/L	BDL	IS 3025 Part-51	0.003
26	Zinc	mg/L	BDL	IS 3025 Part-49	5.0
27	Total arsenic	mg/L	BDL	IS 3025 (Part 37)	0.01
28	Total Coliform Bacteria	/100 ml	N.D.	IS 1622: 1981	Not Detectable
29	E. coli	/100 ml	N.D.	IS 1622: 1981	Not Detectable
30	Total Plate Count	cfu / ml	< 1 (at 22°C) 07 (at 37°C)	IS 1622: 1981 (RA 2014)	< 10 <sup>2</sup>

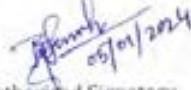
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- Results relate only to the parameters tested.

*End of Report*

For ABNS Scientific Services

Report Verified by  
Dr. Mayur Jyoti Mahanta (QM)



  
Authorized Signatory  
Dr. Bidyut Jyoti Sarmah (TM)



## ABNS SCIENTIFIC SERVICES

अविज्ञन एवं विज्ञान विज्ञानिक चार्टर्ड  
 एवं एनएस साइंटीफिक सर्विसेज

H-152, Keteki Path, near Radisson Blu, NH 27, Guwahati 781033, Assam

केतेकी पथ, रेडिसन ब्लू के पास, एन एच २७, गुवाहाटी ७८१०३३, असम

Email: info@abnsscientific.com, abnsscientific@gmail.com

Phone: 98640 68513, 98640 89951

### TEST REPORT

Report No. : ABNS/EM/010524/25

Date : 05/01/2024

Name & Address of the Customer:

The Project Manager

PCPL & BIL(JV)

4<sup>th</sup> Floor, Royal ArcadeB, Baruah Road,  
 Guwahati-781007, Assam

Project Name &Address :

Assam Skill University Project, Mangaldoi,  
 Darrang, Assam.

Ref: ABNS/GHY/EM/122723/04

Date of Sampling: 27/12/2023

Sample Description: Surface Water

Sampling done by: Mr. Nabajit Pathak (Sampler)

Source: Kalai River, (Mangaldoi, Assam)

Sampling Protocol: IS 3025 (Part 1): 1987, Reaff. 1999

(latitude: 26.43751N, longitude: 92.026902E)

Analysis start Date: 28/12/2023

Analysis end Date: 05/01/2024

Environmental Condition: Temperature 22.4°C, Relative Humidity: 64%

### ANALYSIS RESULT

Sl. No.	Test Parameters	Test Method	Unit	Result
1	Color	IS: 3025-(part4): 1983 Reaff, 2012	Hazen	<b>10</b>
2	Odour	IS: 3025-(part5): 1983	....	<b>Agreeable</b>
3	Taste	IS: 3025-(part8): 1983	....	<b>Agreeable</b>
4	Temperature	IS 3025 ( Part 09 ) : 1984	°C	<b>15.9</b>
5	pH value	IS: 3025-(part11): 1983 Reaff, 2012	...	<b>7.39</b>
6	Turbidity	IS: 3025-(part10): 1983 Reaff, 2012	NTU	<b>11.56</b>
7	TSS	IS: 3025-(part17): 1984 Reaff, 1999	mg/l	<b>13.0</b>
8	TDS	IS: 3025-(part16): 1983 Reaff, 2012	mg/l	<b>125.0</b>
9	Conductance	IS 3025 Part 14	mS/cm	<b>0.395</b>
10	Total Alkalinity as CaCO <sub>3</sub>	IS: 3025-(part23): 1986 Reaff, 2009	mg/l	<b>112.0</b>
11	Total Hardness as CaCO <sub>3</sub>	IS: 3025-(part21) 2009	mg/l	<b>72.32</b>
12	Calcium as Ca	IS: 3025-(part40): 1991 Reaff, 2009	mg/l	<b>18.62</b>
13	Magnesium as Mg	IS: 3025-(part46): 1994 Reaff, 2009	mg/l	<b>2.16</b>
14	Sulphate as SO <sub>4</sub>	IS: 3025-(part24): 1983 Reaff, 2009	mg/l	<b>17.8</b>
15	Nitrate as NO <sub>3</sub>	IS: 3025-(part34): 1988 Reaff, 2009	mg/l	<b>1.93</b>
16	Chloride as Cl	IS: 3025-(part32): 1988 Reaff, 2009	mg/l	<b>31.4</b>

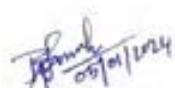
17	Fluoride as F	IS: 3025-(part60): 2008	mg/l	<b>2.08</b>
18	Phenolphthalein Alkalinity as $\text{CaCO}_3$	IS: 3025-(part23): 1996 Ref, 2009	mg/l	<b>1.2</b>
19	DO	APHA 22 <sup>nd</sup> Edtn., 2012, 4500 D-C	mg/l	<b>6.8</b>
20	BOD	IS 3025 (Part 44)1993; RReM. 2017	mg/l	<b>3</b>
21	COD	IS 3025 (Part 5B)2006; RReM. 2019	mg/l	<b>11</b>
22	Sodium	IS 3025 ( Part 45 )	mg/l	<b>21.4</b>
23	Potassium	IS 3025 ( Part 48 ) : 1994, RReM. 2003	mg/l	<b>9.7</b>
24	Cadmium (as Cd)	IS 3025 (Part 41)	mg/l	<b>&lt;0.05</b>
25	Copper as Cu	IS: 3025-(part42): 1992 Ref, 2009	mg/l	<b>0.08</b>
26	Total chromium (as Cr)	IS 3025 (Part 52)	mg/l	<b>&lt;0.05</b>
27	Mercury (as Hg)	IS 3025 (Part 48)	mg/l	<b>&lt;0.001</b>
28	Total arsenic (as As)	IS 3025 (Part 37)	mg/l	<b>&lt;0.001</b>
29	Iron as Fe	IS: 3025-(part53): 2003 Ref, 2009	mg/l	<b>0.15</b>
30	Lead as Pb	IS: 3025-(part47): 1994 Ref, 2009	mg/l	<b>&lt;0.01</b>
31	Zinc as Zn	IS: 3025-(part49): 1994 Ref, 2009	mg/l	<b>&lt;0.05</b>
32	Total coliform	IS 1622-1981, Ref. 2014	MPN/100 ml	<b>142</b>
33	Faecal coliforms	IS 1622-1981, Ref. 2014	MPN/100 ml	<b><math>1.2 \times 10^2</math></b>

.....End of Report.....

For ABNS Scientific Services,

Report reviewed By: Dr. Mayur Jyoti Mahanta (QM)



  
Authorized Signatory  
(Dr. Bidyut Jyoti Sarmah)

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- Results relate only to the parameters tested.

#### ANNEXURE-6: ENVIRONMENTAL MONITORING PHOTOGRAPHS



## ANNEXURE-7: BASELINE ENVIRONMENTAL MONITORING CW03



### ABNS SCIENTIFIC SERVICES

(19)

অবিষ্নব ইণ্ডিফিক সার্ভিসেজ  
एवीএনএস साइंटीफीक सर्वিসेज

H-152, Keteki Path, near Radisson Blu, NH 27, Guwahati 781033, Assam

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Phone: 98640 68513, 98640 89951

### TEST REPORT

Report No. : ABNS/EM/010623/01

Date : 06/01/2024

Name & Address of the Customer :

Mechfab Engineering Industries Pvt. Ltd.

3<sup>rd</sup> Floor, DECT Complex, Rehabari, Guwahati,  
Kamrup (M), Assam.

Ref.: ABNS/GHY/EM/122023/01

Sample Description: Noise Level

Project name: Assam Skill University Project (ASUP)  
interim campus CW-03, ITI Campus, Rehabari.

Date of sampling: From 20/12/2023

### ANALYSIS RESULT

SL. No.	Test Locations	Results		Reference Method
		Leq dB(A) (Day)	Leq dB(A) (Night)	
1	Near Site Office	61.5	53.9	IS 9989-2003
<i>Ambient Noise Standards(CPCB):</i>				
		Area Code	Category of Area	Limit in dB(A) Leq
				Day time      Night time
		A.	Industrial area	75      70
		B.	Commercial area	65      55
		C.	Residential area	55      45
		D.	Silence Zone	50      40

*Note: The results relate to the parameter tested only. Industrial activities are in operation at the time of monitoring.*

-----  
End of Report-----

For ABNS Scientific Services,

Report reviewed By: Dr. Bidyut J Sarmah (TM)



16/01/2024  
Authorized Signatory  
(Dr. Mayur Jyoti Mahanta)



## ABNS SCIENTIFIC SERVICES

(17)

এবিএনএস সাইণ্টিফিক সর্ভিসেজ  
ABNS

H-152, Keteki Path, near Radisson Blu, NH 27, Guwahati 781033, Assam

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Phone: 98640 68513, 98640 8996

### TEST REPORT

Report No. : ABNS/EM/122823/01

Date : 28/12/2023

Name & Address of the Customer :

Mechfab Engineering Industries Pvt. Ltd.

Project name: Assam Skill University Project (ASUP)

3<sup>rd</sup> Floor, DECT Complex, Rehabari, Guwahati,  
Kamrup (M), Assam.

interim campus CW-03, ITI Campus, Rehabari.

Ref: ABNS/GHY/EM/122023/01

Date of sampling: 20/12/2023

Sample Description: Ambient Air

Sampling done by: Mr. Nabajit Pathak (Sampler)

Location: Near Site Office

Sampling Protocol: IS 5182 (Part 5): 2020

(Latitude: 26.164885N, Longitude: 91.743555E)

Analysis start Date: 22/12/2023

Weather: Clear

Analysis end Date: 27/12/2023

Environmental Condition: Temperature 22.7°C, Relative Humidity: 64%

### ANALYSIS RESULT

SI No	Parameters	Unit	RESULT	LIMIT	TEST METHOD
1.	Particulate Matter (<10um)	µg/m³	93	100	IS 5182: Part 23:2006 (Reaff. 2012)
2.	Particulate Matter (<2.5um)	µg/m³	52	60	Lab SOP.Doc.NO. TPM/ABNS/E/S/D
3.	Sulphur Dioxide (SO₂)	µg/m³	7.12	80	IS 5182 : Part 2 :2001 (Reaff.2012)
4.	Nitrogen Dioxide (NO₂)	µg/m³	25.86	80	IS 5182 : Part 6 :2006 (Reaff.2012)

*Note: The results relate to the parameter tested only.*

-----End of Report-----

For ABNS Scientific Services,



Report reviewed By: Dr. Bidyut J Sarmah (TM)

28/12/2023  
Authorized Signatory  
(Dr. Mayur Jyoti Mahanta)



## ABNS SCIENTIFIC SERVICES

বিজ্ঞপ্তি প্রক্রিয়াক প্রতিষ্ঠান  
এবিএনএস সাইন্টিফিক সর্বসেবা

H-152, Keteki Path, near Radisson Blu, NH 27, Guwahati 781033, Assam

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Phone: 98640 68513, 98640 899

১২

### TEST REPORT

Report No. : ABNS/EM/122823/03

Date : 28/12/2023

Name & Address of the Customer :

Mechfab Engineering Industries Pvt. Ltd.

3<sup>rd</sup> Floor, DECT Complex, Rehabari, Guwahati, Kamrup (M), Assam.

Ref: ABNS/EM/122023/01

Project name: Assam Skill University Project (ASUP) interim campus CW-03, ITI Campus, Rehabari.

Sample Description : Ground Water

Date of Sampling: 20.12.2023

Sample Source : Bore Well

Sampling done by: Mr. Nabajit Pathak (Sampler)

Environmental Condition:

Sampling Protocol: IS 3025 (Part 1): 1987, Reaff. 1999

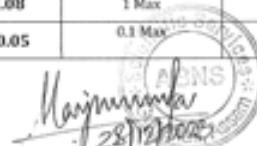
Temperature: 23.2 °C, Humidity: 64%

Analysis Start Date: 20.12.2023

Analysis End Date: 28.12.2023

### ANALYSIS RESULT

Sl. No.	Test Parameters	Test Method	Unit	Result	Norms as per IS: 10500, 2012 (2 <sup>nd</sup> Rev.)	
					Acceptable Limit	Permissible Limit
1	Color	IS: 3025-(part4): 1983	Hazen	3	5 Max	15 Max
2	Odour	IS: 3025-(part5): 1983	---	Agreeable	Agreeable	Agreeable
3	Taste	IS: 3025-(part8): 1983	---	Agreeable	Agreeable	Agreeable
4	pH value	IS: 3025-(part11): 1983	---	7.31	6.5-8.5	No Relaxation
5	Turbidity	IS: 3025-(part10): 1983	NTU	3.29	1 Max	5 Max
6	TDS	IS: 3025-(part16): 1983	mg/l	146	500 Max	2000 Max
7	Conductivity	IS 3025 Part 14	mS/cm	0.275	-	-
8	Total Alkalinity as CaCO <sub>3</sub>	IS: 3025-(part23): 1986	mg/l	154.22	200 Max	600 Max
9	Total Hardness as CaCO <sub>3</sub>	IS: 3025-(part21) 2009	mg/l	162.54	200 Max	600 Max
10	Calcium as Ca	IS: 3025-(part40): 1991	mg/l	54.62	75 Max	200 Max
11	Magnesium as Mg	IS: 3025-(part46): 1994	mg/l	23.10	30 Max	100 Max
12	Sulphate as SO <sub>4</sub>	IS: 3025-(part24): 1983	mg/l	44.25	200 Max	400 V
13	Nitrate as NO <sub>3</sub>	IS: 3025-(part34): 1988	mg/l	3.16	45 Max	No Relaxation
14	Chloride as Cl	IS: 3025-(part32): 1988	mg/l	8.19	250 Max	1000 Max
15	Fluoride as F	IS: 3025-(part60): 2008	mg/l	1.08	1 Max	1.5 Max
16	Manganese as Mn	IS: 3025-(part59): 2006	mg/l	<0.05	0.1 Max	0.3 Max



Page: 1

Assam Skill University Project- Loan No. L4166-IND  
Semi Annual Environmental Monitoring Report for (August 23-January 24)

(21)

17	Copper as Cu	IS: 3025-(part42): 1992	mg/l	<0.05	0.05 Max	1.5 Max
18	Iron as Fe	IS: 3025-(part53): 2003	mg/l	<b>0.34</b>	0.3 Max	No Relaxation
19	Zinc as Zn	IS: 3025-(part49): 1994	mg/l	<b>&lt;0.05</b>	5 Max	15 Max
20	Ammonium (NH <sub>3</sub> -N)	IS: 3025-(part34)	mg/l	<b>&lt;0.2</b>	0.5 Max	No Relaxation
21	Aluminium as Al	IS: 3025-(part55)	mg/l	<b>&lt;0.03</b>	0.03 Max	0.2 Max
22	Lead as Pb	IS: 3025-(part47): 1994	mg/l	<b>&lt;0.01</b>	0.01 Max	No relaxation
23	Coliform Organism	APHA 23 <sup>rd</sup> Edn. 9222B	CFU/100 ml	<b>Absent</b>	Absent	-
24	E.Coli	APHA 23 <sup>rd</sup> Edn. 9222B	CFU/100 ml	<b>Absent</b>	Absent	-

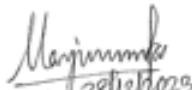
- The test report shall not be reproduced, except in full, without written approval of the company
- Results relate only to the parameters tested.

.....End of Report.....

For ABNS Scientific Services

Report Verified by  
Dr. Bidyut Jyoti Sarmah (TM)



  
28/12/2023  
Authorized Signatory  
Dr. Mayur Jyoti Mahanta (QM)



## ABNS SCIENTIFIC SERVICES

এবিএনএস সাইেন্টিফিক এভিউচেচ  
এবিএনএস সাইেন্টিফিক সর্বসেবা

(২০)

H-152, Keteki Path, near Radisson Blu, NH 27, Guwahati 781033, Assam

কেটেকী পথ, রেডিসন ব্লু কে পাস, এন এইচ ২৭, গুৱাহাটী ৭৮১০৩৩, অসম

Email: info@abnsscientific.com, abnsscientific@gmail.com

Phone: 98640 68513, 98640 89951

### TEST REPORT

Report No. : ABNS/EM/010824/01

Date : 08/01/2024

Name & Address of the Customer :

Mechfab Engineering Industries Pvt. Ltd.

Project name: Assam Skill University Project (ASUP) interim  
campus CW-03, ITI Campus, Rehbari.

3<sup>rd</sup> Floor, DECT Complex, Rehbari, Guwahati,

Kamrup (M), Assam.

Ref: ABNS/GHY/GW/010624/01

Date of receipt of Sample: 06.01.2024

Sample Description : Ground Water

Analysis Start Date: 06.01.2024

Sample Source : Bore Well

Analysis End Date: 08.01.2024

Environmental Condition: Temperature: 22.5 °C, Humidity: 65%

### ANALYSIS RESULT

Sl. No.	Test Parameters	Test Method	Unit	Result	Norms as per IS: 10506, 2012 (2 <sup>nd</sup> Rev.)	
					Acceptable Limit	Permissible Limit
1	Arsenic	IS: 3025-[part 37]: 1980, Reaffirmed: 2003	mg/L	BDL	0.01	0.05

- The test report shall not be reproduced, except in full, without written approval of the company
- Results relate only to the parameters tested.
- BDL: Below Detection Limit

.....End of Report.....

For ABNS Scientific Services

Report Verified by  
Dr. Bidyut Jyoti Sarmah (TM)



  
08/01/2024  
Authorized Signatory  
Dr. Mayur Jyoti Mahanta (QM)

**ANNEXURE-8: CONTRACT LABOUR LICENSE CW01**

**STOP CHILD LABOUR**



**FORM-VI**  
(See Rule 25(1))

**Office of the Commissionerate of Labour  
LICENSE UNDER CONTRACT LABOUR (REGULATION & ABOLITION) ACT, 1970**

UBIN : 616/683627/MOPAN/2/2023  
UAIN : LCFORMIVCL/2023/04902  
License No. : CLL/2023/351661739009881KR  
Date of Issue : 17/04/2023

1. Licence is hereby granted to **A S ENTERPRISE** under Section 12(1) of the Contract Labour (Regulation and Abolition) Act,1970 subject to the conditions specified in the Annexure.
2. The Licence is for doing the work of **Construction of ASU Boundary wall**, in the Establishment of **ASSAM SKILL UNIVERSITY**, C/O. at **3RD FLOOR, DETC OFFICE COMPLEX, REHABARI, KAMRUP METRO - 781008, ASSAM**.
3. The Licence shall remain in force till **15/04/2024**.
4. Maximum No of contract labour proposed to be employed in the establishment on any date : **50 nos.**
5. **VALID FOR ALL OVER ASSAM**, and only for the purpose mentioned in this certificate.

**6. Payment Details:**

GRN AS000486875202324E  
CIN 05131322023170400537  
Txn Date 20230417193053  
Bank HDFC  
Code  
Amount 18700.00  
Status Y



(Scan the QR Code for authentication)

Office of the Commissionerate of Labour  
Licensing Officer

\*\*\* This is a computer generated certificate and it does not require a Signature/Seal.\*\*\*  
\*\*\*Terms & Conditions of this Certificate is enclosed as Annexure-I \*\*\*

**STOP CHILD LABOUR**

**ANNEXURE-9: CONTRACT LABOUR LICENSE OF CW02**

**STOP CHILD LABOUR**



[See Rule-25(1)]

**Office of the Commissionerate of Labour  
LICENSE UNDER CONTRACT LABOUR (REGULATION & ABOLITION) ACT, 1970**

UBIN : 618/959453/NOPAN/12/2022  
UAIN : LCFORMIVCL/2023/20227  
License No. : CLL/2023/GV1595903533672T1  
Date of Issue : 28/09/2023

1. Licence is hereby granted to **PAWAN COMMUNICATIONS PVT LTD IN JV WITH BRAHMAPUTRA INFRASTRUCTURE LIMITED** under Section 12(1) of the Contract Labour (Regulation and Abolition) Act, 1970 subject to the conditions specified in the Annexure.
2. The Licence is for doing the work of **CONSTRUCTION OF ASU CAMPUS AND FACILITIES**, in the Establishment of **OFFICE OF THE MISSION DIRECTOR ASSAM SKILL DEVELOPMENT MISSION CUM CEO ASSAM SKILL UNIVERSITY PROJECT**, C/O. GOVERNMENT OF ASSAM at DECT, REHABARI, GUWAHATI, KAMRUP METRO - 781008, ASSAM.
3. The Licence shall remain in force till **28/09/2024**.
4. Maximum No of contract labour proposed to be employed in the establishment on any date : **300 nos.**
5. **VALID FOR ALL OVER ASSAM**, and only for the purpose mentioned in this certificate.
6. **Payment Details:**

GRN AS003847674202324E  
CIN 00030302023280919562  
Txn Date 28/09/2023  
Amount 61100.00  
Status Y



(Scan the QR Code for authentication)

Office of the Commissionerate of Labour  
Licensing Officer

\*\*\* This is a computer generated certificate and it does not require a Signature/Seal.\*\*\*  
\*\*\*Terms & Conditions of this Certificate is enclosed as Annexure-I.\*\*\*

**STOP CHILD LABOUR**

**ANNEXURE-10: PRINCIPAL EMPLOYER REGISTRATION UNDER CONTRACT LABOUR  
CW03**



**FORM II**  
[Rule 18 (3)]  
GOVT. OF ASSAM

Assistant Labour Commissioner(Guwahati )

**CERTIFICATE OF REGISTRATION UNDER CONTRACT LABOUR (REGULATION & ABOLITION) ACT 1970**

UAIN : LCFORMEPE/2023/01974  
Registration No. : CLL/PE/2023/FE1702477305290UH  
Date of Issue : 13/12/2023

A Certificate of Registration containing the following particulars is hereby granted under sub-section (2) of section 7 of the Contract Labour (Regulation & Abolition) Act 1970, and the rules made thereunder, to ASSAM SKILL UNIVERSITY

(1) Nature of work carried on in the establishment :- UPGRADING ASU INTERIM CAMPUS

(2) Names and Addresses of Contractors:

S. No.	Name	Address	Nature of Work
1.	MECHFEB ENGINEERING INDUSTRIES PRIVATE LIMITED	BAMUNIMAIDAM, GUWAHATI-781021	CIVIL & CONSTRUCTION WORKS AT ASU INTERIM CAMPUS

(3) Nature of work in which contract labour is employed or is to be employed :- CIVIL & CONSTRUCTION WORKS AT ASU INTERIM CAMPUS

(4) Maximum number of contract labour is to be employed on any day through all the contractors :- 50 nos.

(5) Other particulars relevant to the employment of contract labour :-

(6) Payment Details:

GRN AS006239236202324E

CIN 00030302023131264971

Txn Date 13/12/2023

Amount 700.00

Status Y



(Scan the QR Code for authentication)

Assistant Labour Commissioner(Guwahati )  
Registering Officer

\*\*\* This is a computer generated certificate and it does not require a Signature/Seal.\*\*\*

\*\*\*Terms & Conditions of this Certificate is enclosed as Annexure-I.\*\*\*

**ANNEXURE-11: MIGRANT LABOUR LICENSE OF CW02**

STOP CHILD LABOUR



GOVT. OF ASSAM  
LO Office(Mangaldoi )  
FORM 11

**CERTIFICATE OF REGISTRATION UNDER INTER-STATE MIGRANT WORKMEN (RE & CS) ACT, 1979.**

UAIN	:	LCFORM1/2023/00042
Registration No.	:	MGWIE/2023/4016976200250772U
Date of Issue	:	18/10/2023

A Certificate of registration containing the following particulars is hereby granted under Clause(a) of Sub-Section-(2) of Section-4 of the Inter-State Migrant Workmen (Regulation of employment and conditions of service) Act 1979, and the rules made thereunder to **MIS PAWAN COMMUNICATIONS PVT LTD IN WITH BRAHMAPUTRA INFRASTRUCTURE LIMITED**.

1. Nature of work carried on in the establishment: **CONSTRUCTION OF ASU CAMPUS AND FACILITIES**

2. Name and Address of contractors:

S. No.	Full Name	Street Name 1	Street Name 2	Village/Town	District	Pincode	State
1.	<b>PAWAN COMMUNICATIONS PVT LTD IN WITH BRAHMAPUTRA INFRASTRUCTURE LIMITED</b>	Royal Arcade, 4th Floor, Part-II	B B Raod	Ulubari	Kamrup (M)	781007	Assam

3. Nature in which migrant workmen are to be employed or are employed: **CONSTRUCTION OF ASU CAMPUS AND FACILITIES**

4. Maximum no. of migrant workmen to be employed on any day through each contractor: 150

5. Other particulars relevant to the employment of migrant workmen:

6. Payment Details:

GRN AS004531721202324E  
CIN 00030302023181043088  
Txn Date 18/10/2023  
Amount 300.00  
Status Y



(Scan the QR Code for authentication)

LO  
Office(Mangaldoi )  
Registering Officer

\*\*\* This is a computer generated certificate and it does not require a Signature/Seal.\*\*\*  
\*\*\*Terms & Conditions of this Certificate is enclosed as Annexure-I.\*\*\*

STOP CHILD LABOUR

## ANNEXURE-12: SOURCE APPROVALS OF CONSTRUCTION MATERIALS

### A. CTO of Vendor – Aggregate Supplier (CW01& CW02)

**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/TEZ/T-2144/22-23/18

Dated Guwahati, the 9<sup>th</sup> Jun, 2021

CONSENT TO OPERATE

'CONSENT TO OPERATE' (CTO) under Section 21 of Air (Prevention & Control of Pollution) Act, 1981 as amended and Rules framed thereunder, is granted to:

i) Name of Industry : M/s Daorao Stone Crusher and Screening Plant.  
ii) Name of the Occupier / Applicant and Designation  
iii) Address of Industry : Vill. Baghekhowa, P.O. Panery Hat, Dist-Udalguri, Assam-784524.  
iv) Project cost : Rs. 92.50 (In Lakhs)  
v) Type of Project/Category : Stone Crusher  
(Orange Category)  
vi) Details of Crusher

Sl No.	Number/Type of Crusher	Capacity
1	Primary Crusher	2 x 150 TPH
2	Secondary Crusher	3 x 100 TPH

vii) Details of Raw Materials:

Sl No.	Name	Quantity
1	River Boulder and Gravel	22000 m <sup>3</sup> /Month

viii) Details of Product :

Sl No.	Product	Quantity/ Capacity
1	Stone Chips	15000 m <sup>3</sup> /Year
2	Stone Dust	3000 m <sup>3</sup> /Year

ix) D. G. Set : 1 x 625 KVA + 1 x 365 KVA

x) Source of Raw Material: Beltola SS Mahal

TERMS AND CONDITIONS:

1. The Consent to Operate (CTO) has been accorded based on the particulars furnished by the applicant vide Application ID-1917877 and subject to addition of further or more conditions if so warranted by subsequent developments. The CTO will automatically become invalid if any change or alteration or deviation is made in actual practice.
2. The CTO is valid for a period up to 31.03.2024.
3. The CTO 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 CTO;
  - b) Obtaining the CTO by misrepresentation or failure to disclose fully all relevant facts;
  - c) If any genuine complaint received;

14/43  
Contd... 2/2

- Pollution Control Board  
23/01/2021
4. The unit shall obtain prior Consent to Establish from the Board, for any further expansion, alteration, modification or modernization of the project.
  5. Proper housekeeping shall be maintained within unit premises. Burning of any wastes inside the premises is strictly prohibited.
  6. The project proponent shall develop a greenbelt/plantation area with native trees covering atleast 33% of the total plot area.
  7. The project authority shall install a Display Board as per the Boards notification no. PCBA/LGL-95/2021/Notification/01 dtd.11.11.2021 as (Appendix-A).
  8. The unit shall install permanent boundary line/partition wall of minimum 10 ft height with tin/asbestos sheet or non-porous partition material with installation of permanent boundary posts.
  9. 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 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 CTO.

Specific Conditions:

A. Air Aspect:-

1. The unit shall install and operate the crusher and screening machine, with proper enclosure and dust collection system.
2. The stone crushing unit shall implement the following air pollution control measures to control source as well as fugitive emission:
  - a. Dust containment cum suppression system at raw material feed Hopper, all material transfer and dropping points.
  - b. Construction of the metallic haul roads within the premises.
3. Quantitative standard for SPM:-  
The suspended particulate matter measured between 3 to 10 meters from any process equipment of a stone-crushing unit shall not exceed  $600\mu\text{g}/\text{m}^3$ .
4. The unit shall comply with the ambient noise level standard, notified by MoEF & CC, GOI vide GSR 7 dated Dec.22, 1998 as mentioned herein under.

Limit in dB (A) Leq	
Day Time (6.00am-10:00pm)	Night Time (10:00pm-6:00am)
75	70

5. The unit shall comply with the Standards and Guidelines for control of Noise Pollution from Stationary Diesel Generator Set(s), notified by MoEF & CC, GOI vide GSR 7, dated Dec.22, 1998 (Appendix-B).
6. The Ambient Air Quality, within the Plant premises shall be maintained within the National Ambient Air Quality Standards, notified by MoEF & CC, vide G.S.R.826 (E) dtd.19.11.2009, especially with respect to  $\text{PM}_{10}$  &  $\text{PM}_{2.5}$ , as mentioned herein under;

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 $10\mu\text{g}$ ) or $\text{PM}_{10}\mu\text{g}/\text{m}^3$	Annual* 24 hours**	60 100	60 100
2.	Particulate Matter (size less than $2.5\mu\text{g}$ ) or $\text{PM}_{2.5}\mu\text{g}/\text{m}^3$	Annual* 24 hours**	40 60	40 60



**B. Water aspect:-**

1. Source of Water: Ground Water
2. Details of water consumption and effluent generation:-

SL NO.	NAME	QUANTITY
1	Raw water Consumption	6.0 KLD
2	Effluent Generation	0.5 KLD
3	Permission From CGWA	Not Obtained

3. Permission/Exemption of the Central Ground Water Authority shall be obtained for extraction of Ground Water, as applicable.
4. i) Storm water shall not be allowed to mix with any effluent and/or floor washings.  
ii) Storm water within the battery limits shall be channelized through separate drain/pipe passing through an Oil and Grease Trap cum sedimentation tank.  
iii) For storm water discharge, the unit shall comply with general effluent discharge parameters standard, notified by MoEF & CC, GOI vide G.S.R. 422 (E); dated 31.12.1993 (Appendix-C).
5. Rain water harvesting facility shall be installed and maintained.

**C. Solid Waste Aspect:**

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

**D. Hazardous Waste Aspects:**

1. Authorization under Hazardous & Other Wastes (Management & Trans-boundary Movement) Rules, 2016 shall be obtained from the Board.
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 the 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 by April 15<sup>th</sup> every year to Member Secretary, PCBA as well as to Regional Laboratory cum Office, Tezpur, PCBA. The Board will have the liberty to withdraw the CTO if adequate pollution control and safety measures are not implemented by the unit.

(Shantanu Kr. Dutta)  
Member Secretary

Memo No. WB/TEZ/T-2144/22-23/18-A  
Copy to:

Dated Guwahati, the 9<sup>th</sup> Jun, 2023

✓ M/s Daorao Stone Crusher and Screening Plant, Vill. Baghekhowa, P.O. Panery Hat, Dist-Udaguri, Assam-784524 for information and compliance of condition.

(Shantanu Kr. Dutta)  
Member Secretary

**B. Royalty Challan for Sand (CW01)**

GRN A3008414500202324E		BARCODE	Date: 27/02/2024-16:34:24		Form ID
Department: Principal Chief Conservator of Forest.			Payer Details		
Receipt from Environmental Forestry			TAX ID (If Any)	ROYALTY	
Type of Payment			PAN No. (If Applicable)		
Office Name: DFO NORTH KAMrup DIVISION			Full Name	ANIL SARKAR	
Location: Rangia					
Year: 2023-2024 From: 01/04/2023 To: 31/03/2024			Flat/Block No.		
Account Head Details		Amount In Rs.	Premises/Building		
0406-01-103-0000-000 Receipts From Environmental Forestry		98000.00	Road/Street:		
			Area/Locality:		
			Town/City/District:		
			PIN		
			Remarks (If Any)		
Total		98,000.00	Amount In Words	Ninety Eight Thousand Rupees Only	
Payment Details: AXIS BANK LTD			FOR USE IN RECEIVING BANK		
Cheque/DD Details			Bank CIN	Ref. No.	63001332024270200030 328713671
Cheque/DD No			Bank Date	RBI Date	27/02/2024 15:38:47 Not Verified with RBI
Name of Bank			Bank-Branch	AXIS BANK LTD	
Name of Branch			Scot No., Date	Not Verified with Scot	
Department ID: A01+TPAB2634500C10173671 Mobile No.: 7086692779					

**C. MoU Signed by CW02 Contractor with Rowta S/G Mahal for supply of construction materials.**

**PAWAN & BRAHMAPUTRA (JV)**

**4<sup>th</sup> Floor, Royal Arcade, B. Baruah Road, Guwahati- 781007, Assam**

Ref: Mangaldoi/ASDM/ENV/2023-24/009

Dated: February 5<sup>th</sup> 2023

**MEMORANDUM OF UNDERSTANDING**

The memorandum of understanding (MOU) is signed this day February 5<sup>th</sup> 2023 between M/S PAWAN & BRAHMAPUTRA (JV) First Party and M/S Rowta S/G Mahal (Second Party). The first party being in construction business requires sand & subgrade for the Asian Development Bank (ADB) funded Assam Skill University Campus and Facilities under implementation at Mangaldoi, Darrang District, Assam. The second party having compiled with all regulatory clearances and permissions for its quarries & crusher at Dag Number 54, Village Baghekhowa Mouza Harisinga, Udaguri, Assam-784510 is willing to supply construction materials (sand & subgrade etc.) to this first party at terms and conditions drafted under the separate agreement. Both the parties agree, through this MOU, for the supply of construction materials (Sand & sub-grade etc.) till the completion of projects.

For M/S PAWAN & BRAHMAPUTRA (JV)

*M. Ashok Chakraborty*  
M. Ashok Chakraborty

Authorised Signatory

(Authorized Signatory)

For M/S Rowta S/G Mahal

*[Signature]*

(Authorized Signatory)

**D. EC granted for collection of Sand and Gravel from Rowta S/G Mahal**

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, ASSAM  
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE, GOVT OF INDIA  
BAMUNIMAI DAM, GUWAHATI-781021, ASSAM

No. SEIAA 1630/2021/EC/14/1437  
Proposal No. SIAA/AS/MIN/188152/2029  
Dated: 21/5/2021

To  
Sri Krishna Naazari

Vill. Dakhin Nasheria  
P.O. Pathakpur

Dist. Udaguri, BTAD, Assam

Sub:- Environment Clearance for Collection of Sand & Gravel from "Rowta S/G Mahal" under Mazbat Range of Dhansiri Forest Division, Dist. Udaguri, BTAD, Assam by Sri Krishna Naazari.

This has reference to your application for Prior Environmental Clearance dated 05/10/2019 along with form-1M, Mining Plan, D.F.O. letter, Google map with G.P.S. Co-ordinates and other relevant documents for Collection of Sand & Gravel from "Rowta S/G Mahal" under Mazbat Range of Dhansiri Forest Division, Dist. Udaguri, BTAD, Assam.

The quantity of Sand & Gravel to be collected is:

Sand: 4,250 cu.m (Four Thousand Two Hundred Fifty) only for 2(Two) years @ 2,125 cu.m (Two Thousand One Hundred Twenty Five) only for per year.

Gravel: 8,500 cu.m (Eight Thousand Five Hundred) only for 2(Two) years @ 4,250 cu.m (Four Thousand Two Hundred Fifty) only for per year.

Total Allotted area: 4.79 Ha.  
Mining Area: 4.45 Ha.

The Sand & Gravel shall be extracted only from the area of the GPS Co-ordinates shown below as per Mining plan:

Longitude (East)	Latitude (North)
1. E- 92°13'50.9"	N- 26°50'57.9"
2. E- 92°13'58.1"	N- 26°50'58.1"
3. E- 92°13'38.3"	N- 26°50'58.3"
4. E- 92°13'39.2"	N- 26°50'59.2"

The Sand & Gravel shall be extracted manually/semi mechanized way from "Rowta S/G Mahal" under Mazbat Range of Dhansiri Forest Division, Dist. Udaguri, BTAD, Assam.

The proposal was examined and processed in accordance with EIA Notification 2006 and its amendments thereof. The State Level Expert Appraisal Committee (SEAC), Assam examined the documents of the proposal for Collection of Sand & Gravel at its meeting held on 03/04/2021. Accordingly, the application was discussed and thoroughly scrutinized by the SEAC and found that the project falls under I(a) and considered as B2 Category of EIA Notification 2006 and subsequent amendment. The Committee recommended the project to the SEIAA, Assam for issuance of Environmental Clearance.

Based on the recommendation of the SEAC, the State Environment Impact Assessment Authority, Assam (SEIAA) considered the proposal in its meeting held on 12/04/2021 and accords Prior Environmental Clearance to the project as mentioned above under the provisions of EIA notification 2006 and its subsequent amendments issued under Environment Protection Act 1986 subject to compliance of following specific and general conditions.

The operational area of mining must be confined to the given 4.79 Ha area bound by the coordinates mentioned above and there shall not be any other area of mining contiguous to this.

*Signature*  
Member Secretary  
State Level Environment Impact  
Assessment Authority, Assam,

Page 1 of 4

**The project proponent is to submit a declaration in writing to this effect before commencement of the work.**

**1. Specific Conditions**

1. The legal status of the mining area remains unchanged.
2. The lease holder shall undertake adequate safeguard during Collection of **Sand & Gravel** and ensure that due to this activity, the hydro geological and ecological regime of the surrounding area shall not be affected. Regular monitoring of ground water level and quality shall be carried out around the mine lease area during the mining operation. If at any stage, it is observed that the groundwater table is getting depleted due to the mining activity, necessary corrective measures shall be carried out.
3. Manual/semi-mechanized way and low impact Collection of **Sand & Gravel** shall be undertaken.
4. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter at at loading and unloading point and at transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard. The status of implementation of measures taken shall be reported to SEIAA and work shall be completed before the start of mining.
5. Quarrying shall be restricted within the area as per GPS Coordinates mentioned above.
6. There shall be a stockyard to stock mining material outside the quarry site. Parking shall not be made on public road or in the river bed.
7. The following measures are to be further implemented to reduce air pollution during transportation of mineral:
  - Roads shall be graded to mitigate the dust emission.
  - Over filling of tippers and consequent spillage on the roads shall be avoided.
8. Measures should be taken to comply with the provisions laid under Noise Pollution (Regulation and Control) (Amendment) Rules, 2010 issued by the MoEF, Govt. of India.
9. Mining shall be limited to day time only.
10. No mining shall be carried out in the safety zone of any bridge and / or embankment.
11. No mining shall be carried out in the vicinity of natural / manmade archaeological sites.
12. No wildlife habitat will be disturbed and also aquatic Flora & Fauna of the river will not be disturbed.
13. **Green belt development shall be carried out in 20% of total mine area either on river bank or along road side considering CPCB guidelines with native tree species in the mining area.**
14. User agency shall not make any fresh approach road over any part of the forest land but may use existing forest road only.
15. Transport of materials shall be done by covering the trucks/tractors with tarpaulin or other suitable mechanism so that no spillage of mineral/dust takes place.
16. Appropriate mitigation measures shall be taken to prevent any kind of pollution. It shall be ensured that there is no leakage of oil and grease from the vehicles used for transportation.
17. Special Measures shall be adopted to prevent the nearby settlement from the impacts of mining activities.
18. Dispensary facilities for first-aid shall be provided at site to the workers.
19. Occupational health surveillance program of the workers should be undertaken periodically.
20. Conservation measures shall be taken for protection of Flora & Fauna in the core and buffer zone.
21. It shall be ensured that collection of mining materials does not disturb or change the underlying soil characteristic of river bed/basin, where mining is carried out.
22. It shall be ensured that mining does not in any way disturb the turbidity, velocity and flow pattern of the river water.
23. Conservation measures shall be taken for protection of flora & fauna in the core and buffer zone.
24. The fauna nesting area shall not be used for mining.
25. Extraction of mining materials shall be restricted within central three - fourth width of the river.

*Present*  
Member Secretary  
State Level Environment Impact  
Assessment Authority, Assam

26. A maximum depth of 2.5 m has been allowed for mining the river bed from un-mined bed level, keeping at least 2.5 m of Sand Layer below the water level of the river as said bed.
27. This Environmental Clearance is applicable only subject to receipt of mining permit by the project proponent from the Competent Authority as per AMMC Rule, 2013 and subsequent amendment.
28. Measures for prevention & control of Soil erosion & management of site shall be undertaken.
29. It shall be ensured that excavations of same dose not disturb or changes the underlying soil characteristics of the river bed/basin where mining is carried out.
30. It shall ensure that mining dose not many ways disturbed the turbidity, velocity & flow pattern of the river water.
31. Mining shall be restricting two (2) meters depth of excavation from the general ground level.
32. Further, mining is allowed keeping 5 (five) meters free from right side of the river bank. To maintain safety & stability of river bank, 10% of the width of the river shall be left intact as no mining Zone.
33. No river/Stream should be diverted for the purpose of **Sand & Gravel** mining. No natural water course and/or water resources are obstructed due to mining operation.
34. Use of water pump for mining of **Sand & Gravel** is strictly prohibited.
35. No extraction of **Sand & Gravel** in landslide prone area.
36. Controlled clearance of riparian vegetation to be undertaken.
37. Mining shall not be undertaken in a mining lease located in 200-500 m of bridge, 200 m from the edge of National highway & railway line, 50 m from a reservoir, canal or building, 25 m from the edge of state high way and 10 m from the edge of other roads.
38. Vehicles used for transportation of sand are to be permitted only with of fitness & PUC certificates.
39. Health & safety of workers should be taken care of.
40. Natural springs are not be affected due to mining activities and necessary protection measures are to be undertaken.
41. Any solid waste generated shall be disposed of as per Solid Waste Management Rules 2016. Segregation of bio degradable and non-biodegradable wastes shall be done at site and disposed of as per Solid Waste Management Rules 2016.
42. The critical parameters such as PM<sub>10</sub>, NO<sub>x</sub>, SO<sub>2</sub> in ambient air within the impact Zone shall be monitored periodically and water quality of the River/Streams shall also be monitored (pH, DO, TDS, Fecal Coliform, TSS, etc.) and analysis report shall be submitted to SEIAA, Assam.
43. The Project Proponent shall submit annual replenishment report certified by an authorized agency to SEIAA, Assam annually.
44. **The P.P. will ensure strict adherence to the terms and conditions laid down in the approved mining plan.**

## **II. General Conditions**

1. All necessary statutory clearances shall be obtained from competent authorities in connection with mining operation and copies of the same shall be submitted to SEIAA, Assam.
2. Special measures shall be adopted to prevent nearby settlements from the impacts of mining activities.
3. Maintenance of roads through which transportation of minor minerals is to be undertaken shall be carried out regularly.
4. User agency shall comply with the provisions framed under Assam Minor Mineral concession Rules 2013 and subsequent amendments.
5. The SEIAA Assam may alter/modify the above conditions or stipulate further conditions in the interest of environment protection.
6. Concealing the factual data or failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment Protection Act, 1986.

*mgaien2*  
Member Secretary  
State Level Environment Impact  
Assessment Authority, Assam.

Page 3 of 4

7. The SEIAA, Assam may revoke or suspend the order, if implementation of any of the above conditions is not found satisfactory.
8. SEIAA, Assam will monitor the operation area from time to time and the project proponent shall extend full support for the same.
9. The above conditions will be enforced inter-alia under the provisions of water (Prevention & Control of Pollution) Act 1974, the air (Prevention & Control of Pollution) Act 1981, the Environment Protection Act 1986 and the public liability Insurance Act 1991 along with their amendments & rules.
10. The Environmental Clearance is valid for a period of 2 (Two) years only from the date of issue of this order.
11. **Under Corporate Environment responsibility (CER), appropriate budgetary provision shall be made as per MOEF&CC OM F. No. 22-65/2017-LA.III dated 01/05/2018 and 19/06/2018** commensurate with the total value of the work and to be spent for health improvement, education, drinking water facilities, and other socio-economic upliftment in and around the project area (radius of 10 KM from the project site) in consultation with a Committee having representatives from all sections of the population in the nearby villages and with information to the SEIAA on biannual basis.
12. The project proponent shall submit half yearly compliance reports in respect of the terms & conditions stipulated in this order to the SEIAA, Assam in soft copy (CD) & hard copy on 1st June and 1st Dec each year. The Compliance Report should also include the work done under CER as in 9 above and also under Green Belt development in the project area (to be supported with photographs and other documentary evidences in both cases).
13. The Divisional Forest Officer, Sonitpur East Forest Division, Dist. Biswanath Chariali, Assam shall realize the Royalty as per existing rate and he should ensure due surveillance on the mining operation to avoid occurrence of irregularities. He will also ensure that mining be allowed at the approved location only.

*Signature*  
Member Secretary  
SEIAA, Assam

*Bamunimaidam, Guwahati-21.*

Dated: 7/5/2021

Memo No. SEIAA.1630/2021/EC/14/ 1437 -A

Copy to:

1. The Joint Secretary, Ministry of Environment, Forest and Climate Change, Government of India, MOEF&CC, Indira Paryavaran Bhawan, Jorbagh Road, New Delhi-110003.
2. The Secretary to the Govt. of Assam, Environment & Forest Department, Dispur, Guwahati-6 Cum Member Secretary, SEIAA, Assam for favour of kind information.
3. The P.C.C.F, HOFF, Govt. of Assam, Panjabari, Guwahati-37 for favour of kind information.
4. The Divisional Forest Officer, Sonitpur East Forest Division, Dist. Biswanath Chariali, Assam for information & necessary action to ensure that all **Specific Conditions & General Condition** are complied with.
5. The Regional Office, MOEF&CC, Govt. of India, Low-U-sab, Lumbuteng, Near M1C Workshop, Shillong-21 for information.
6. Office Copy.

*SAC*  
Member Secretary  
SEIAA, Assam  
*Bamunimaidam, Guwahati-21.*

**E. Process for EC for sand (Renewed EC Copy awaited)**

  
**GOVERNMENT OF ASSAM**  
**OFFICE OF THE ADDL. PRINCIPAL CHIEF CONSERVATOR OF FORESTS cum CHD**  
**BODOLAND TERRITORIAL COUNCIL, KOKRAJHAR.**

No. FGW.24/Genl./Dhansiri/MMC/2586,      Dated Kokrajhar, the 29/11/2023.

To,

✓ The Divisional Forest Officer,  
Dhansiri Forest Division  
Udalguri.

Sub :- Approval of Comparative Statement of "Lower Dhansiri S.S. Mahal-B" for granting of  
Mining contract to successful Bidder.

Ref:- No. BTC/Forest.59/2017-18/72,      Dated Kokrajhar, the 28<sup>th</sup> November, 2023.

With reference to the subject cited above and letter No. under reference, the Bodoland  
Territorial Council is pleased to approve the highest quoted rate of the Comparative Statement of  
"Lower Dhansiri S.S. Mahal-B" area under your division for granting of mining contract in favour  
of successful bidder Sri Krishna Narzary.

Hence, you are requested to take necessary steps to settle the said mahal from your end as per  
Assam Minor Mineral Concession Rules, 2013.

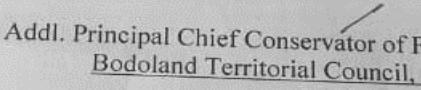
The tender papers received in respect of mahal are returned herewith for your necessary action.

Enclo :- As stated above.

  
(Suman Mohapatra, I.F.S.)  
Addl. Principal Chief Conservator of Forests cum CHD  
Bodoland Territorial Council, Kokrajhar.

*Copy to :-*

1. The Secretary, Forests, BTC, Kokrajhar with reference to his letter No. cited above for his  
kind information.
2. The S.S.O. to Hon'ble E.M Forests, BTC, Kokrajhar for his kind information.

  
Addl. Principal Chief Conservator of Forests cum CHD  
Bodoland Territorial Council, Kokrajhar.

**F. Payment of royalty by CW02 Contractors for earth**

**E-CHALLAN**

NAME:	PAWAN AND BRAHMAPUTRA JV
GRN NO:	AS005516342202223P
PRN NO:	3769120892039
BANK Transaction No:	10004672023012703531
BANK NAME	SBI PAYMENT GATEWAY (Charges Applicable)
CHALLAN NO:	3769120892039
Date	3/N-/27-J
Forest Transaction ID	10004672023012703531
Amount	1999980
Head Account	ROYALTY
DEPARTMENT ID	A01+TPAB1480444887609118
PAYMENT STATUS	Payment Sucess

**G. Copy of approved mining plan for borrow earth by CW02**



খণ্ড সম্পদ  
অসম

**GOVERNMENT OF ASSAM**  
**DIRECTORATE OF GEOLOGY AND MINING**  
**BHU-BIGYAN BHAWAN**  
**DAKHINGAON,KAHILIPARA,GUWAHATI-19**  
Email: [dgm.assam@gmail.com](mailto:dgm.assam@gmail.com)  
[dgm.assam@gov.in](mailto:dgm.assam@gov.in)

No. GM/MM/86-B (40)/Pt. VI/10-13 Dtd. Guwahati, the 28 November, 2023.

From : - Sri N. Anand ,IFS,  
Director,  
Directorate of Geology & Mining, Assam,  
Kahilipara, Guwahati-19.  
To : - The Divisional Forest Officer,  
North Kamrup Division, Rangia.  
Sub : - Approval of Mining Plan alongwith progressive Mine Closure Plan  
In respect of **Mowamari Ordinary Earth Mining Permit Area (B) (Area 3.45 hec.)** in Darrang Dist. of Assam State submitted under Rule 51 & 52 of Assam Minor Mineral Concession Rules, 2013. GPS Locations are Attached :

Latitude	Longitude
26° 24' 47.545" N	92° 1' 29.475" E
26° 24' 45.620" N	92° 1' 43.810" E
26° 24' 54.210" N	92° 1' 34.030" E
26° 24' 54.423" N	92° 1' 33.487" E

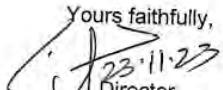
Ref : -Your letter No B/ PMT/ MP/ 2960-63, dtd. 29.08.2023  
**Mining Plan No.4649**

Sir/ Madam,

In exercise of the power conferred under Rule 51 & 52 of Assam Minor Mineral Concession Rules,2013, the aforesaid Mining Plan (including Progressive Mine Closure Plan) prepared by RQP Dr. Abhijit Bora in favour of consenting applicant/project proponent Sri Pabitra Deka is approved subject to the conditions below :

- 1) The Map of the proposed Ordinary Earth Permit Area is based on the lease map/sketch submitted by the lessee and is applicable from the date of approval.
- 2) It is to clarify that the approval of the aforesaid Mining Plan along with the Progressive Mine Closure Plan is in accordance with the powers conferred by sub-section (1) of section 15 and section 23C of the Mines & Minerals (Development & Regulation) Act,1957 (67 of 1957).
- 3) The GPS coordinates of the said Mining Plan are provided from the DFO office, North Kamrup Division after undertaking necessary verification based on which RQP prepared the plan with the said coordinates and the mining of earth shall be undertaken within the said geo coordinates only.
- 4) At any stage, if it is observed that the information furnished or data incorporated in the mining plan are incorrect or misrepresented ,then the approval of the plan shall be revoked with immediate effect.
- 5) This approval is restricted in respect of the proposals contained therein within mining lease area and is applicable from the date of approval and maximum quantity of Ordinary Earth recommended for extraction is 68970 cubic metre for two years from the date of approval of EC to be used for filling & construction purposes subject to all statutory compliance and clearances for the mining activities to be carried out within the mining leasehold area.

- 6) Adequate number of check dams and retaining walls shall be made & maintained in good conditions to prevent any anticipated detrimental impact on water regime.
  - 7) "Safety Berm" of adequate dimension shall be kept at all the places in the vicinity of statutory barrier, high bench/escarpment. It shall also be ensured that no excavation is to be made in the vicinity of any high side wall/ escarpment. Stability of benches, escarpments shall be closely monitored. It is the responsibility of the Lessee to ensure the stability of all the escarpments/side/benches, Lessee shall take all necessary steps time to time so as to ensure the stability of ground, which includes but not limited to reduction of the high side wall to safe and stable condition within first year itself & the DFO, North Kamrup Division shall supervise the same, so that land subsidence or erosion doesn't happen.
  - 8) Sufficient safety Berm shall be maintained with respect to public road/village road.
  - 9) Violations of any kind regarding the provisions of the Mining Plan including Progressive Mine Closure Plan will lead to the cancellation of the Mining Plan.
  - 10) Environmental clearance must be obtained from the competent authority before execution except in certain cases mentioned in Appendix IX of MOEF & CC Notification S.O. 1224(E) dated 28<sup>th</sup> March, 2020.
  - 11) Divisional Forest Officer, North Kamrup Division shall see to that the lease area does not fall under the National Park, Wild Life Sanctuary, Bird Sanctuary etc including Eco-sensitive zones and does not affect the animals, birds and biodiversity in anyway.
  - 12) Cutting of trees and blasting is not allowed under this Mining Plan.
  - 13) Semi-mechanized extraction shall only be done.
  - 14) The Divisional Forest Officer, North Kamrup Division should ensure that no additional quantity is to be extracted.
- Enclo: Approved Mining Plan along with Progressive Mine Closure Plan.

Yours faithfully,  
  
Director,  
Directorate of Geology & Mining, Assam.

No. GM/MM/86-B (40)/ Pt. V/

Dtd. Guwahati, the

November, 2023

Copy to :-  
1) The Deputy Commissioner, Darrang -for information and necessary action.  
2) Sri Pabitra Deka, Gerimari (Prafulla Nagar), P.O. Mangaldai, Dist. Darrang, Assam  
3) Office copy.

Director,  
Directorate of Geology & Mining, Assam

## H. CTO for Stone crushing unit by CW03 vendor

*Naaris*  
550

**Meghalaya State Pollution Control Board**  
Forests & Environment Department, Government of Meghalaya  
'ARDEN' Lumpyngnang, Shillong-793014  
Website: <http://megspcb.gov.in>



No. MPCB/TB-ONLINE -RCTO (RB)/2020-2021/ 45

Dtd. Shillong 20<sup>th</sup> October 2020

### CONSENT TO OPERATE

**CONSENT TO OPERATE** under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, as amended and under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981, as amended (to be referred as Water Act and Air Act respectively) granted to **M/s. SUMMERSET ENTERPRISE** for operating the Stone crushing unit at Umawae Killing, Ri Bhoi District from an installed production capacity of **150TPD to 300 TPH of STONE CHIPS** with a Project Cost of **Rs 4,80,00,000.00** (Four Crores and Eighty Lakhs) only and which will expire on 30<sup>th</sup> June 2021 is hereby renewed for a period of three years ie upto 30<sup>th</sup> June 2024 under the following terms and conditions:-

1. The Consent to operate is valid for a period up to 30<sup>th</sup> June 2024 unless otherwise suspended or revoked.
2. This Consent 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 Consent;
  - (b) Obtaining the Consent 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;
3. This Consent does not convey any property right in either real or personal property or any exclusive privileges, nor does it authorizes any injury to private property or any invasion of personal rights, nor any infringement of Central State or Local Laws or Regulation;
4. The unit should not cause any air, water and soil pollution beyond the permissible limits and that the nearby population, crops, orchards, etc are not affected due to emission/effluents emanated from it.
5. Appropriate Pollution Control Device should be installing so as to control the dust from all the point emission point.
6. The industry shall take adequate measures for control of noise from its own source so as to comply with the Standards below:

DAY TIME (6:00AM-9:00PM)	NIGHT TIME (9:00PM-6:00AM)
55	45

7. Provision and maintenance of green belt should be made around the industry premises by planting suitable species of trees.
8. **The unit shall maintained the occupational health of the workers & provide Personal Protective Equipment (PPE) for all the workers to protect from occupational diseases like Silicosis etc and conduct regular health check up.**
9. Dust containment-cum-suppression / appropriate pollution control systems, i.e. Wet/Dry Scrubber, Dust Chamber, etc. installed at all dust generation points should be maintained properly.
10. Wind breaking walls with sufficient height should be constructed and maintained at all around the Plant.
11. All roads around the premises should be asphalted or cemented or stone soling with provision of water sprinkler
12. Regular cleaning of the ground within the premises should be carried out.
13. The stone dust generated during the crushing process should be utilized as far as practicable. In case full utilization of the same cannot be done, the dust should be disposed off in a proper manner as land filling within the premises of the industry itself in such a manner that such disposal shall not create any environmental degradation of the adjoining land, water bodies, etc.

Contact details: Email: [megspcb@rediffmail.com](mailto:megspcb@rediffmail.com); Telephone Numbers : Chairman-0364-2521117; Member Secretary-2522802; Scientific-2521514; Engineering-2521533; Laboratory-2521726; Administration-2520073; Telefax-2521764

Marin  
SSO

**Meghalaya State Pollution Control Board**  
Forests & Environment Department, Government of Meghalaya  
'ARDEN' Lumpynngad, Shillong-793014  
Website: <http://megspcb.gov.in>



14. The industry should ensure that the suspended particulate matter measured between 3(three) metres and 10(ten) metres from the process equipment of the stone crushing unit should not exceed 600 microgrammes per cubic metre.
15. Adequate system should be adopted on reduction of waste generation and enhancement of re-utilization & recycling of waste materials.
16. The industry shall have to put up two hoardings of size 6 x 4 ft. at the main entrance to the plant. One board shall contain with a specific Consent to Establish , consent to operate conditions, specific to the plant and other board shall carry their latest water, air, noise and solid waste monitoring data as well as the maximum vulnerable zone, if the unit is storing/handling Hazardous Chemicals.
17. It is mandatory under 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 time to enter the factory/unit for inspection, collection of sample for analysis and may call for any information as deemed necessary. Denying this right will cause withdrawal of the Consent Order.
18. This Consent has been accorded based on the particulars furnished by the applicant on behalf **M/s. SUMMERSET ENTERPRISE** and subject to addition of further or more conditions if so warranted by subsequent developments. The consent will automatically become invalid if any change or alteration or deviation is made in actual practice.

  
**MEMBER SECRETARY**  
Meghalaya State Pollution Control Board,  
Shillong.

*Copy to:-*

1. The General Manager, District Commerce & Industries Centre Meghalaya , Nongpoh , Ri Bhoi district. For favour of information.
2. The D.F.O Khasi Hills (T) Division, Shillong for favour of information and necessary action.
3. **M/s. SUMMERSET ENTERPRISE**, C/o. Shri. Phaisar Shilla, (Proprietor) Chilliangrai Jowai, West Jaintia Hills District Meghalaya, 793150 ,for favour of information and necessary action.
4. GUARD FILE CTO -2020.

**ANNEXURE-13: BATCHING PLANT & DG CONSENT TO OPERATE (CTO) FROM  
CONTROL BOARD, ASSAM POLLUTION**



**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/TEZ/T-2219/22-23/16

Dated Guwahati, the 24<sup>th</sup> Apr. 2023

**CONSENT TO OPERATE**

"CONSENT TO OPERATE" (CTO) under Section 21 of Air (Prevention & Control of Pollution) Act, 1981 as amended and Rules framed thereunder, is granted to:

- i) Name of Unit : M/s. Pawan Communications Pvt Ltd  
(In JV with Brahmaputra Infrastructure Limited).  
ii) Name of the Occupier / Applicant : Mahesh Chachan, Operations Director.  
and Designation  
iii) Address of Unit : Bidyanagar, Manganj, Dist- Darrang, Assam- 784125.  
iv) Cost of the project : Rs. 43.0 (In lakhs)  
v) Type of Project/Category : Batching Plant  
(Orange Category)  
vi) Details of Raw Materials :

Sl No.	Name	Quantity (CM/Day)
1	Sand	85.0
2	Cement	62.0
3	Aggregates	176.0

- vii) Details of Products :

Sl No.	Name	Quantity (CM/Day)
1	Ready Mix Concrete	208.0

- viii) D. G. Set : 1 x 125 KVA

**TERMS AND CONDITIONS:**

1. The Consent to Operate (CTO) has been accorded based on the particulars furnished by the applicant vide Application ID- 1737180 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 the period up to 31.03.2024.
3. The CTO 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 CTO;
  - b) Obtaining the CTO by misrepresentation or failure to disclose fully all relevant facts;
  - c) If any genuine complaint received.
4. Proper housekeeping shall be maintained. The unit shall not burn any wastes in the unit premises.
5. The unit shall obtain prior "Consent to Establish" from the Board, for any further expansion, alteration, modification or modernization of the project
6. The project authority shall 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).

27/04/2023

Contd...p/2

-2-



7. The project proponent shall develop a greenbelt/plantation area with native trees covering atleast 33% of the total plot area.
- 8.3 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 CTO.

Specific Conditions:

A. Air/Emission Aspect:-

1. The unit shall install and operate screening machine, if any, with proper enclosure and dust collection system.
2. The unit shall implement the following air pollution control measures to control source as well as fugitive emission:
  - a. Dust containment cum suppression system at Raw Material Feed Hopper, all material transfer and dropping points.
  - b. Construction of the metallic haul roads within the premises.
3. The unit shall comply with ambient noise level standard, notified by MoEF & CC, GOI vide GSR 7, dated Dec.22, 1998, as mentioned herein under:

Area Code	Category of Area	Limit in dB(A) Leq	
		Day time	Night time
A.	Industrial areas	75	70

4. The unit shall comply with the Standards and Guidelines for control of Noise Pollution from Stationary Diesel Generator Set(s) notified by MoEF & CC, GOI vide GSR 7, dated Dec.22, 1998, (Appendix-B).
5. The Ambient Air Quality, within the Plant premises shall be maintained within the National Ambient Air Quality Standards, notified by MoEF & CC, vide G.S.R.826 (E) dt.19.11.2009, especially with respect to  $PM_{10}$  and  $PM_{2.5}$ , as mentioned herein under:

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 10 $\mu$ g) or $PM_{10}$ $\mu$ g/m <sup>3</sup>	Annual* 24 hours**	60 100	60 100
2.	Particulate Matter (size less than 2.5 $\mu$ g) or $PM_{2.5}$ $\mu$ g/m <sup>3</sup>	Annual* 24 hours**	40 60	40 60

B. Waste Water Aspect:

1. Source of Water- Ground Water
2. Details of water consumption and effluent generation:-

SL NO.	PARTICULARS	QUANTITY
1	Raw water Consumption	10.0 KLD
2	Effluent Generation	Nil

3. Permission/exemption of the Central Ground Water Authority shall be obtained for extraction of Ground Water.
4. i) Storm water shall not be allowed to mix with any effluent and/or floor washings.  
ii) Storm water within the battery limit shall be channelized through separate drain/ pipe passing through an Oil and Grease Trap cum sedimentation tank.  
iii) For storm water discharge, the unit shall comply with general effluent discharge parameters standard, notified by MoEF & CC, GOI vide G.S.R. 422 (E); dated 31.12.1993 (Appendix-C).
5. Rain water harvesting facility shall be installed and maintained.

*Partha*

*Contd... p/3*



**C. Solid Waste Aspect:**

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

**D. Plastic Waste Aspect:**

1. Plastic waste generated in the unit shall be disposal of as per provisions under Plastic Waste Management Rules, 2016.
2. The unit shall submit the report regarding generation & disposal of Plastic Waste within 30<sup>th</sup> June every year.

**E. E-Waste Aspects:**

The unit shall comply with the provisions of E-Waste Management Rules, 2022.

**F. Hazardous Waste Aspects:**

1. Authorization under Hazardous and Other Wastes (Management & Trans-boundary Movement) Rules, 2016 shall be obtained from Board.
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 shall submit the 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 by April 15<sup>th</sup> every year to Member Secretary, PCBA as well as to Regional Laboratory cum Office, Tezpur, PCBA till the completion of the project. The Board will have the liberty to withdraw the CTE if adequate pollution control and safety measures are not implemented by the unit.

(Shantanu Kr. Dutta)  
Member Secretary

Dated Guwahati, the 24<sup>th</sup> Apr. 2023

Memo No. WB/TEZ/T-2219/22-23/16-A  
Copy to:

✓ M/s. Pawan Communications Pvt, Bidyanagar, Mangaldoi, Dist- Darrang, Assam- 784125  
for information and compliance of conditions.

(Shantanu Kr. Dutta)  
Member Secretary

**ANNEXURE-14: ASU CONSENT TO ESTABLISHMENT (CTE) FROM POLLUTION CONTROL BOARD, ASSAM**



**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. PCBA/TEZ/T-2314/23-24/6

Dated Guwahati, the 10<sup>th</sup> Aug. 2023

**CONSENT TO ESTABLISH**

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

- i) Name of Industry : M/s. Assam Skill University.
- ii) Name of the Occupier/ : Chief Executive Officer:  
Applicant and Designation
- iii) Address of the unit : Assam Skill University, Mangaldoi, Dist-  
Darrang, Assam-784125
- iv) Type of the project : Construction of Building Block and Sewage  
Treatment Plant (STP)
- v) Cost of the project : Rs. 2600.0 Lakhs
- vii) Details of Project:

SI No.	Service	Capacity
1	Construction of University Building Blocks	75,000 sq. mtr
2	STP	400 KLD

**TERMS AND CONDITIONS**

1. The Consent to Establish (CTE) has been accorded based on the particulars furnished by the applicant vide Application ID- 2088469 and subject to addition of further or more conditions if so warranted by subsequent developments. The Consent will automatically become invalid if any change or alteration or deviation is made in actual practice without prior permission of the Board.
2. The CTE will be valid till the date of commissioning of the unit or five (5) 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 public complaint against the unit is received;
4. The unit shall obtain prior " Consent to Establish" from the Board, for any expansion, modification, modernization of the project.
5. The project Authority should install a display Board as per the Board's Notification No. PCBA/LGL-95/20-21/Notification/01 dt.11.11.2021 (Appendix-A).
6. Proper housekeeping shall be maintained within unit premises. Burning of any Waste within the premises is strictly prohibited.
7. The project proponent shall develop a greenbelt/plantation area with native trees, covering at least 33% of the total plot area around the unit and township, if any.

27/8/23

Contd... P/2

8. The unit shall not operate without valid 'Consent to Operate' of the Board.
9. As per provisions of Water (Prevention & Control of Pollution) Act, 1974, any officer, employed by this Board on its behalf shall without any interruption, shall have the right at any time to enter the unit for inspection, to take samples for analysis and any call for any information etc. violation of this right will lead to the withdrawal of this order.
10. Healthy working environment for the worker must be maintained and there should not be health Hazard to the workers for inadequate arrangement for ventilation, dust removal arrangements should be adequate and full proof for the health of the workers. Their health should be regularly monitored.

Specific Conditions:

A. Air Aspect:

1. The unit shall implement the following pollution control measures to control source as well as fugitive emission:
  - a. Dust containment cum suppression system at all the material transfer and dropping points.
  - b. Construction of the metallic haul roads within the premises.
  - c. Water sprinkling at haul roads.
2. The unit shall comply with noise level standard as notified by the MoEF & CC, Govt. of India vide, GSR 7, dated Dec.22, 1998, as mentioned below.

Limit in dB (A) Leq	
Day Time (6:00am-9:00pm)	Night Time (9:00pm-6:00am)
75	70

3. The Ambient Air Quality in the Plant premises shall be maintained within the National Ambient Air Quality Standards, notified by the MoEF & CC, GOI, vide GSR 826(E) dtd.16.11.2009, especially with respect to  $PM_{2.5}$ ,  $PM_{10}$ ,  $SO_2$  &  $NO_2$  as mentioned herein under:

Se. No.	Pollutant	Time Weighted Average	Concentration in Ambient Air	
			Industrial, Residential, Rural & Other Area	Ecologically Sensitive Area (notified by Central Government)
1.	$PM_{10}$ ( $\mu g/m^3$ )	Annual*	60	60
		24 hours**	100	100
2.	$PM_{2.5}$ ( $\mu g/m^3$ )	Annual*	40	40
		24 hours**	60	60

B. Water Aspect:

1. Sewage Treatment Plant (STP), shall be installed. Treated effluent shall be reused to achieve Zero Liquid Discharge (ZLD) condition.
2. i) Storm water shall not be allowed to mix with any effluent and/or floor washings.  
ii) Storm water within the battery limit shall be channelized through separate drain/ pipe passing through an Oil and Grease Trap cum sedimentation tank.
3. For discharge of storm water, the unit shall comply with general effluent discharge parameters standard, notified by MoEF & CC, GOI vide G.S.R. 422 (E); dated 31.12.1993 (Appendix-B).
4. Rain water harvesting facility shall be installed and maintained.

\*\*T.S. 1/3

Confidential



**C. Solid Waste Aspect:**

1. Adequate facility shall be created for collection, storage, transportation, treatment and disposal of non-hazardous solid waste generated from the unit.
2. Adequate system shall be adopted on reduction of waste generation and enhancement of re-utilization and recycling of waste materials.
3. Solid waste generated in the unit shall be disposed of as per the provisions of Solid Waste Management Rules, 2016.
4. The unit shall submit action plan for re-use of Bio-sludge generated in the STP.

**D. Plastic Waste Aspect:**

1. Plastic Waste generated in the unit shall be disposed of in accordance of the provisions under the Plastic Waste Management Rules, 2016.
2. The unit shall submit a report on generation and disposal of plastic wastes within 30<sup>th</sup> June every year.

**E.E-Waste Aspect:**

The unit shall comply with the provisions of E-Waste Management Rules, 2022.

**F. Construction and Demolition Wastes Aspect:**

The unit shall comply with the provisions of the Construction and Demolition Wastes Management Rules, 2016 for management of construction and demolition wastes.

The unit shall submit compliance report of the mandated conditions by April 15<sup>th</sup> every year to Member Secretary, PCBA as well as to Regional Laboratory cum Office, Tezpur, PCBA till the completion of the project. The Board will have the liberty to withdraw the CTE if adequate pollution control and safety measures are not implemented by the unit.

(Shantanu Kr. Dutta)  
Member Secretary

Memo No. No. PCBA/TEZ/T-2314/23-24/6-A

Dated Guwahati, the 10<sup>th</sup> Aug, 2023

Copy to:

✓ M/s. Assam Skill University, Mangaldoi, Dist- Darrang, Assam-784125 for information and compliance of conditions.

21/8/23  
(Shantanu Kr. Dutta)  
Member Secretary

**ANNEXURE-15: INSURANCE POLICY CW01 (WORKMEN COMPENSATION)**

<p>পৰিবিধি কন্তুলি/ Policy Schedule - Employees Compensation Insurance Policy Number: 200100412210000007</p> <p>কার্যকলাপ স্থান/ Business Source: 200100 বিক্রি ক্ষেত্ৰ/ Sales Channel Code: 9000191876</p> <p>কার্যকলাপ কার্যকলাপ বিভাগ/Office Code: 200100 কার্যালয় পর্যায়/Office Address: GUWAHATI DIVISION 1, 2nd Floor, Lohia Mansion, GS Road, Bhangagarh, Guwahati, - 781065 State Code: 18, Assam GSTIN: 18AAACD19967E122 Contact Number: 361 2451163 Mobile Number: 0</p> <p>পুস্তক ক্ষেত্ৰ কৰ্তৃ নথি/Customer Care Toll Free Number: 1800 345 0330</p> <p>ইমেইল/Email: email:customer.support@nic.co.in</p>	 <p>Trusted Since 1906</p>																																																						
<p>পুস্তক ক্ষেত্ৰ/Customer Name: ASSAM SKILL DEVELOPMENT MISSION AND AS ENTERPRISE পুস্তক ঠিকনা/Address: ZOO ROAD, ZOO NARENGI, KAMRUP METRO, City: GUWAHATI, District: KAMRUP METRO, State: ASSAM, PIN: 781024. Cell: 6002129807</p> <p>পুস্তক ক্ষেত্ৰ/Customer ID: 9560776019 পুস্তক ফোন/Phone: ৫-৫৮৯ (E-Mail: ANILSARKAENTERPRISE@GMAIL.COM</p>																																																							
<p>পুস্তক ক্ষেত্ৰ/Policy Effective from 16:00 hours, on 23/02/2023 to midnight of 22/02/2024</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">পুস্তক ক্ষেত্ৰ Premium</td> <td style="width: 15%;">₹ 10,854.00</td> <td style="width: 15%;">কাৰ্য নথি নথি ও তাৰিখ/Cover Note Number and Date</td> <td style="width: 15%;">নথি/NA</td> </tr> <tr> <td>GST</td> <td>₹ 977.00</td> <td></td> <td></td> </tr> <tr> <td>SGST/UTGST</td> <td>₹ 977.00</td> <td></td> <td></td> </tr> <tr> <td>IGST</td> <td>₹ 0.00</td> <td>পুস্তক ক্ষেত্ৰ ও তাৰিখ/Proposal Number and Date</td> <td>8800230223140988 Dt. 23/02/2023</td> </tr> <tr> <td>পুস্তক ক্ষেত্ৰ Less: GST_TDS</td> <td>₹ 0.00</td> <td></td> <td></td> </tr> <tr> <td>পুস্তক ক্ষেত্ৰ ক্ষেত্ৰ ক্ষেত্ৰ (Recoverable Stamp Duty)</td> <td>₹ 0.00</td> <td>কাৰ্য নথি/Receipt Number and Date</td> <td>200100412210002367 Dt. 23/02/2023</td> </tr> <tr> <td>ক্ষেত্ৰ/Total Amount</td> <td>₹ 12,838.00</td> <td>পুস্তক ক্ষেত্ৰ ক্ষেত্ৰ ও তাৰিখ Previous Policy Number and Expiry Date</td> <td>১২৩৪৫৬৭৮৯০১৯/NA</td> </tr> </table> <p>(Rupees Twelve Thousand Eight Hundred Eight Only.)</p> <p>Joint Policyholder Name: NA Joint Policyholder Address: NA</p> <p>Laws: The Policy covers Liability of the Insured under the following Law(s) shown as covered, subject to claim being otherwise admissible as per terms, conditions and exclusions of the Policy and subject to Limit of Indemnity as stipulated against each Law.</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Sl. No</th> <th>Law</th> <th colspan="3">Limit of Indemnity</th> <th>Coverage</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Employee Compensation Act, 1923 and Subsequent amendments thereto prior to the date of issue of this Policy</td> <td colspan="3">Subject otherwise, to the terms, conditions &amp; Exclusions of the Policy, the amount of liability incurred by the Insured.</td> <td>Yes</td> </tr> </tbody> </table> <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Sl. No.</th> <th>Industry Type</th> <th>Description of Work Done by Employees</th> <th>Number of Employees</th> <th>Declared Wages/ Contract Value</th> <th>Place of Employment</th> <th>Contractors Name, Contractors Address</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Industry Type Builders Sub Industry Type: All employees (Bldg. Ht. &lt; 9 Mts)</td> <td>Construction of Boundary Wall with RCC and Stone masonry piling with Brickmasonry</td> <td>20</td> <td>Declared Wages: 0 Contract Value: 3000000</td> <td>ASU Campus Site MANASDOOI Assam</td> <td>Contractors Name: A S ENTERPRISE Contractors Address: ZOO NARENGI ROAD GUWAHATI, ASSAM</td> </tr> </tbody> </table> <p>Clauses, Endorsements and Warranties Applicable: Average Clause. Insured's liability for Contractors/Sub contractors Employees (W. C. Endorsement 179 (Extrawile Tariff))</p> <p>If the monthly wages are lesser than 15000/-, the "Compensation calculation will be based on the actual lesser monthly wages entered and not Rs 15000/-."</p> <p><b>নেশনাল ইণ্সুরেন্স কোম্পানি লিমিটেড</b> National Insurance Company Limited CIN No. U42999WB1988G0001103 MDA Regd. No-68</p> <p>For any information please contact the Policy Issuing Office or visit our website at <a href="http://nationalinsurance.nic.co.in">nationalinsurance.nic.co.in</a></p>		পুস্তক ক্ষেত্ৰ Premium	₹ 10,854.00	কাৰ্য নথি নথি ও তাৰিখ/Cover Note Number and Date	নথি/NA	GST	₹ 977.00			SGST/UTGST	₹ 977.00			IGST	₹ 0.00	পুস্তক ক্ষেত্ৰ ও তাৰিখ/Proposal Number and Date	8800230223140988 Dt. 23/02/2023	পুস্তক ক্ষেত্ৰ Less: GST_TDS	₹ 0.00			পুস্তক ক্ষেত্ৰ ক্ষেত্ৰ ক্ষেত্ৰ (Recoverable Stamp Duty)	₹ 0.00	কাৰ্য নথি/Receipt Number and Date	200100412210002367 Dt. 23/02/2023	ক্ষেত্ৰ/Total Amount	₹ 12,838.00	পুস্তক ক্ষেত্ৰ ক্ষেত্ৰ ও তাৰিখ Previous Policy Number and Expiry Date	১২৩৪৫৬৭৮৯০১৯/NA	Sl. No	Law	Limit of Indemnity			Coverage	1	Employee Compensation Act, 1923 and Subsequent amendments thereto prior to the date of issue of this Policy	Subject otherwise, to the terms, conditions & Exclusions of the Policy, the amount of liability incurred by the Insured.			Yes	Sl. No.	Industry Type	Description of Work Done by Employees	Number of Employees	Declared Wages/ Contract Value	Place of Employment	Contractors Name, Contractors Address	1	Industry Type Builders Sub Industry Type: All employees (Bldg. Ht. < 9 Mts)	Construction of Boundary Wall with RCC and Stone masonry piling with Brickmasonry	20	Declared Wages: 0 Contract Value: 3000000	ASU Campus Site MANASDOOI Assam	Contractors Name: A S ENTERPRISE Contractors Address: ZOO NARENGI ROAD GUWAHATI, ASSAM
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Assam Skill University Project- Loan No. L4166-IND  
Semi Annual Environmental Monitoring Report for (August 23-January 24)

नियमित अनुदान/Policy Schedule - Employee Compensation Insurance	
<b>Policy Number:</b> 200100412210000007	क्रमांक संख्या (Business Source: 200100
	सेल्स चैनल (Sales Channel Code: 9000191876
अस्तित्व कार्यालय/Issuing Office अस्तित्व कोड/Office Code: 200100	नाम (Name: Mr. Suman Paul Contact Number: 9864192970
अस्तित्व पत्ता /Office Address: GUWAHATI DIVISION I 2nd Floor, Lohia Mansion, GS Road, Bhopanagar, Guwahati - 781005.	रक्त दाता कोड / Go Broker Code:
State Code: 18_Aسام GSTIN: 15AAACNG67E122 Contact Number: 361 2451163 Mobile Number: 0	अस्तित्व लेन देन कोड/Customer Care Toll Free Number: 1800 345 0330
	(टीवी)
	email: customer.support@nic.co.in



©Panthi Remarks: Principle Name:  
ASSAM SKILL DEVELOPMENT MISSION

Name of the Contractor/lessee -  
**A S ENTERPRISE**

Address of contractor/insured -  
ZOO ROAD, CLUWAHATI, ASSAM

Location of Site-  
ASU Campus Site, Morigaon, Assam

**Detailed project Description-**  
Construction of Boundary Wall with R.C.C and Stone masonry piling with Brick masonry. It also comprises of Chain link fencing above the plinth level for A.S.U. Campus Site, Assam

**Employee Category**  
1. Unskilled Workers- 20 nos  
Salary- Rs. 15000 per worker per month  
Rs. 300000 per month for 20 nos workers  
Rs. 360000 for 12 months for 20 nos workers

新嘉坡大會堂，或新嘉坡第一大會堂，是新嘉坡第一座永久性大會堂。

निर्दिष्टान कर्ता जाता है। यह अनुदर्शी, सालाना पॉलिसी, बॉल्ड, प्रधानकाम और पॉलिसी संकेत, जो कर्ता द्वारा <https://nationalinsurance.nic.co.in> पर उपलब्ध है, यह एक अनुदर्शी के रूप में एक साधा चार तरफ आये भौतिक या ग्राहक अनुदिलक्षण अनुदर्शी भौतिक या अनुदर्शी के बरित ये दृष्टिकोण से संकेत भौतिक रूप है, एक ही अनुदर्शी कर्ता यादी जहाँ भौतिक या अनुदर्शी है। यह अनुदर्शी दृष्टि जाता है कि पॉलिसियम एक असंविधान के समान है, यह अनुदर्शी सूक्ष्म प्राप्तिकारी नहिं है। जारी। **IN WITNESS WHEREOF**, the undersigned being duly authorized hereunto set his/her hand at the office address mentioned above, this 23/February/2023, the schedule, the attached policy, the clauses, the endorsements and policy wordings as available in the website <https://nationalinsurance.nic.co.in> shall be read together as one contract and any word or expression to which the specific meaning has been attached in any part of this policy or of the schedule shall bear the same meaning wherever it may appear. It is warranted that **IN CASE OF DISHONOUR OF THE PREMIUM CHEQUE, THIS DOCUMENT STANDS AUTOMATICALLY CANCELLED 'AB-INTIO'**

governmentsandwith Ombudsman Details. Office of the Insurance  
Ombudsman - Jeevan Nivedi, 5th Floor, Nr. Panbazar over bridge, S.S. Road,  
Guwahati - 781001(ASSAM).  
Tel: 0361 - 2632204/ 2602205.  
Email: [home@local.oic-shield@mincomms.gov.in](mailto:home@local.oic-shield@mincomms.gov.in)



FOR NATIONAL INSURANCE LTD  
or and on behalf of National Insurance Co.  
Company Limited  
National Life Assurance Division  
Divisional Manager  
GURU HARI SINGH  
GURU HARI SINGH

નેશનલ ઇન્સયરન્સ કાર્પોરેશન લિમિટેડ  
National Insurance Company Limited  
CIN No. U12399WB1995GOC001713  
RDA Regn. No-58

रजिस्टर्ड एवं डाक कार्यालय : 3 मिडिल स्ट्रीट, कोलकाता 700 071  
Registered & Head Office : 3 Middleton Street, Kolkata 700 071  
P No. : 033-22831705-06 Fax : 033-22831712  
email : [customer-support@nic.co.in](mailto:customer-support@nic.co.in)  
Toll Free : 18003450330

For any information please contact the Policy Issuing Office or visit our website at [nationalinsurance.mic.co.in](http://nationalinsurance.mic.co.in)

Assam Skill University Project- Loan No. L4166-IND  
Semi Annual Environmental Monitoring Report for (August 23-January 24)

TAX INVOICE											
 Invoice Serial No: 30096W2P0000007											
<b>Details of Supplier:</b> National Insurance Company Limited, GUWAHATI DIVISION I 2nd Floor, Lohia Mansarovar Road, Bhengapara, Dibrugarh - 781005 State : Assam GSTIN No : 18AACNM96E1Z2											
<b>Details Of Receiver :</b> ASSAM SKILL DEVELOPMENT MISSION AND AS ENTERPRISE Address : 200 ROAD, 200 NARENGI, KAMRUP METRO City : GUWAHATI District : KAMRUP METRO State : ASSAM Pin: 781024											
<b>Place Of Supply State :</b> ASSAM <b>State Code :</b> 18 <b>GSTIN No :</b> 18AKWP5770E3Z3											
সে. নং SAC Code	সে. নং বিবরণ Description of Service	মুদ্রা মুদ্রা Total ₹	পরি চাহুন Discount %	মুদ্রা মুদ্রা মূল্য/ Taxable Value ₹	মুদ্রা মুদ্রা কোস্ট COST		মুদ্রা মুদ্রা সুব্সিডি সুব্সিডি GST		মুদ্রা মুদ্রা পরিচালিত পরিচালিত GST		মুদ্রা মুদ্রা JWFD/Kerala Flood Cess ₹
					SGT Rate	মুদ্রা মুদ্রা Amount ₹	CGT Rate	মুদ্রা মুদ্রা Amount ₹	SGT Rate	মুদ্রা মুদ্রা Amount ₹	
997139	Other non- life Insurance services (excluding reinsurance services)	10,854	0%	10,854	9%	977	9%	977	0%	0	0
<b>TOTAL</b>		<b>10,854</b>		<b>10,854</b>		<b>977</b>		<b>977</b>		<b>0</b>	<b>0</b>
মুদ্রা মুদ্রা মুদ্রা মুদ্রা (মুদ্রা) : ₹ 12,808 মুদ্রা মুদ্রা মুদ্রা (মুদ্রা) Total Invoice Value (In words) : ₹ 12,808 ₹ 12,808 ₹ 12,808 ₹ 12,808 ₹ 12,808											
<b>E&amp;OE</b>											
I, the undersigned, do hereby declare, For and on behalf of NATIONAL INSURANCE COMPANY LIMITED মুদ্রা মুদ্রা মুদ্রা মুদ্রা: <i>Autographed Signatory</i>											
											
<b>প্রাপ্তি মুদ্রা মুদ্রা মুদ্রা মুদ্রা</b> National Insurance Company Limited CIN No. U19200WB1995G0001713 IRDA Reg. No. 58											
প্রাপ্তি মুদ্রা মুদ্রা মুদ্রা মুদ্রা : 3 মিলিয়ন মুদ্রা, কলকাতা 700 071 Registered & Head Office : 3 Middleton Street, Kolkata 700 071 P No. 033-22831705-06, Fax: 033-22831712 email : customer.support@nic.co.in Toll Free : 18003450330											
For any information please contact the Policy Issuing Office or visit our website at <a href="http://nationalinsurance.nic.co.in">nationalinsurance.nic.co.in</a>											

नेशनल इन्स्योरेन्स कम्पनी लिमिटेड  
National Insurance Company Limited  
CIN No. U18202WB1996G0001113  
IRDA Regd. No-58

For any information please contact the Policy Issuing Office or visit our website at [nationalinsurance.nic.co.in](http://nationalinsurance.nic.co.in)

पंडित राम रामानन्द : 3 मिडलटन स्ट्रीट, कोलकाता 700 071  
Registered & Head Office : 3 Middleton Street, Kolkata 700 071  
P No : 033-23831705-06 Fax : 033-23831712  
email : [customer.support@icin.co.in](mailto:customer.support@icin.co.in)  
Toll Free : 180003450235



Assam Skill University Project- Loan No. L4166-IND  
 Semi Annual Environmental Monitoring Report for (August 23-January 24)

প্রক্ষেপ (Endorsement)- Employees Compensation Insurance	
Policy Number : 200100412210000007	প্রক্ষেপ নম্বর/ Issuing Office কার্যালয় নম্বর /Office Code : 200100 ক্ষেত্রফল নম্বর / Office Address : GUWAHATI DIVISION I 2nd Floor, Lohia Mansion, G3 Road, Bhangaghat, Guwahati - 781005 State Code - 18 , Assam GATE NO: 18AAACB9887E122 eMail:
ক্ষেত্রফল নম্বর বা সম্পর্ক কর্তা/ Business Source : 9000191876	স্লিপ কর্তা নাম/ Sales Channel Contact Number : 9864192070 কো ব্রেকার নম্বর / Co Broker Code: কার্যালয় নম্বর দ্বারা নথি/Customer Care Toll Free Number: 1800 345 0300 ইমেইল: email:customer.support@nic.co.in
Salary- Rs. 15000 per worker per month Rs. 300000 per month for 20 nos workers Rs. 3600000 for 12 months for 20 nos workers	
All excess, clauses, warranties, terms & conditions as per proposal, cover letter, Workmen Compensation Act and Standard Employees Subject otherwise to the Terms, Exclusion and Conditions of this Policy.	



IN CASE OF DISHONOUR OF THE PREMIUM CHEQUE, THIS DOCUMENT STANDS AUTOMATICALLY CANCELLED 'AB-INITIO'

For and On Behalf Of National Insurance Company Limited

Authorized Signatory

Printed on 27/03/2023 by ID: 72913, AID: 72913

নেশনাল ইন্সুরেন্স কম্পানি লিমিটেড  
National Insurance Company Limited  
CIN No. U16299WB1966C0001713  
IRDA Regn. No-58

Page no: 2

পৌতুন রূপ প্রকাশিত : ৩ মিলেনিয়া প্লাট, কলকাতা ৭০০ ০৭১  
Registered & Head Office : 3 Middleton Street, Kolkata 700 071  
P No. 033-22831705-06 Fax : 033-22831712  
email : customer.support@nic.co.in  
Toll Free : 18003450300

For any information please contact the Policy Issuing Office or visit our website at [nationalinsurance.nic.co.in](http://nationalinsurance.nic.co.in)

**ANNEXURE-16: INSURANCE POLICY CW02 (WORKMEN COMPENSATION)**



**IFFCO - TOKIO GENERAL INSURANCE CO. LTD**

Regd. Office: IFFCO SADAN, C1 Dilli Centre, Saket, New Delhi- 110017

**Workmen's Compensation Policy Schedule**

Cum Tax Invoice

**ORIGINAL FOR RECIPIENT**

GST Applicable

UIN : IRDAN105P0006V01200001

**Servicing Office:**

1-B, 1st Floor,

Aditya Tower,

C S Road, Dispur,

Guwahati-781008, Assam

State Code: 18 GSTIN: 18AAACI7573H725

General Insurance Services : 987103

Insured's name:	PAWAN AND BRAHMAPUTRA JV			Unique Invoice No. ....	4331614
Address:	NEAR HIMALAYA OPTICALS, 4TH FLOOR, ROYALE ARCADE PART-II, B, BARUAH ROAD, ULUBARI, GUWAHATI, KAMRUP, ASSAM			Policy No. ....	4331614
	GUWAHATI, ASSAM			Date of Issuance. ....	22/11/2023
State Code/ Place of Supply:	18	Country Name:	India	GSTIN:	18AAACI7573H725
Phone Number:			Agent No. A5000039 ASA	Policy effective from 0001 hrs 18/11/2023 To Midnight 17/11/2024	
Aadhaar No.:					

	Taxable Value	CGST	SGST	IGST	CESS
Rate		9.00	9.00	0.00	0.00
Amount	123852.54	11146.73	11146.73	0.00	0.00
Total Tax		122299.46		Total Value	1146146.0

Whether GST is Payable on Reverse Charge Basis - No

We hereby declare that though our aggregate turnover in any preceding financial year from 2017-18 onwards is more than the aggregate turnover notified under sub-rule (4) of rule 48, we are not required to prepare an invoice in terms of the provisions of the said sub-rule.

Trade or Business	Construction of Assam Skill University Campus
Place of Employment(s)	ASSAM SKILL UNIVERSITY CAMPUS, Margaldo
	704125

Sr. No.	Category of Employee	Estimated Total Wages, Salaries and other emoluments	Rate (%)	Premium without Service Tax (Rs.)
1	90 Skilled Worker	1944000.00	0.1049	20044.56
2	210 Unskilled Worker	3024000.00	0.1049	31813.76
3	1 Highly Technical Employee	1500000.00	0.1049	1573.50
4	5 Technical Staff Employee	4200000.00	0.1049	4395.50
5	32 Semi Technical Staff EMP	1820000.00	0.1049	1880.80
6	15 Clerical Staff	3600000.00	0.1049	3756.45

**Validity unknown**

Digitaly signed by SUBRATA MOKTAL  
Date: 2023-11-22 16:06:54 IST  
Reason: Valid Policy Copy  
Location: IFFCO Tokio General Insurance Company Ltd, India

Workmen's Compensation (UIN : IRDAN105P0006V01200001 )

Attaching to and forming part of Policy Number 4331614

Show Signature Properties-->Click on 'Show signer's Certificate'-->Go to Tab 'Trust'-->Click on 'Add to Trusted Certificate'-->Click on 'OK'-->Click on 'Close'

7	20 Lower Staff(Non Tech)	4800000.00	0.1849	8875.20
	Overall Total Wages			₹2980000.00

Additional Clauses /Endorsements / Other details ,if any

Nature of Work : Civil Construction

•

Classification No : 46

•

Details of Workers Covered -

•

90 Skilled Worker - Wages of Rs 18,000/- each per month

210 Unskilled Worker - Wages of Rs 12,000/- each per month

1 Highly Technical Employee - Wages of Rs 12500/- each per month

5 Technical Staff Employee - Wages of Rs 70,000/- each per

32 Semi Technical Staff Employee - Wages of Rs 50,000/- each per month

15 Clerical Staff- Wages of Rs 20,000/- each per month

20 Lower Staff ( Non Technical )- Wages of Rs 20,000/- each per month

•

Standard Terms, Conditions, Warranties, Exclusions :-

•

Warranted that worker are properly trained and Adequate safety measures to be followed while working on site as per industry norms

•

Attendance Register should be maintained in the places of employment mentioned.

•

The change in places of employment if any during the policy period should be referred to the Insurer compulsorily or site cover will be void.

•

At any point of time the total number of workers as well as designation on site should not exceed the total number of persons and designations as declared under the policy .

Furnish the total number of employees working on site at the time of accident. In case of total no. of workers

as well as no. of persons in designation is exceeding, the same should be immediately informed to the insurer and the premium should be paid accordingly

Validity unknown

Digitally signed by SUBRATA MOKTAL  
Date: 2023.11.22 16:08:54 IST

Reason: Valid Policy Copy

Location: IFFCO Tokio General Insurance Company Ltd, India

Workmen's Compensation (UIN : IRDAN106P0006V01200001 )

Attaching to and forming part of Policy Number 43311814

Close Signature Properties --> Click on 'Show signer's Certificate' --> Go to Tab 'Trust' --> Click on 'Add to

Trusted Certificate' --> Click on 'OK' --> Click on 'Close'

Major Exclusion:

- The workman having been under the influence of liquor or drugs, or any other toxins
- The wilful disobedience by the workman of orders and rules expressly given to secure the safety of the workmen, or
- The wilful removal or disregard by the workman of any safety devices provided for the safety of workmen.

Additional Terms, Conditions, Warranties ::

- Excluding Blasting / Tunneling / Underground Mining
- Workers Covered under ESIC are excluded from the cover
- 200 nos. of Sub Contractors worker are covered which are included above
- Occupational Diseases Covered
- Compressed air diseases are not covered

Terrorism Cover Covered:

- No Cover for underground/tunnel Activities.
- Warranted that no underground work and /or blasting / tunneling / is carried out at the work site.

Medical Extension Benefit Covered :

- In consideration of the payment of an additional premium it is hereby understood and agreed that this Policy subject to its terms provisions and conditions is extended to indemnify the Insured in respect of the reasonable medical surgical and hospital expenses (including cost of conveyance to hospital) incurred by the Insured for treatment of injury to whom the indemnity granted under this Policy applies or would have applied had disablement exceeded three days.

### Validity unknown

Digitally signed by SUBRATA MONTAUL  
Date: 2023.11.22 16:08:54 IST

Reason: Valid Policy Copy

Location: IFFCO Tokio General Insurance Company Ltd, India

Workmen's Compensation (UIN : IRDAN106P0006V01200001 )

Attaching to and forming part of Policy Number 43311814

Draw Signature (Important) ---Click on this signer's Certificate---Go to Tab 'Trust'---Click on 'Add to  
trusted certificate'---Click on 'OK'---Click on 'Close'

Provided always that the liability of the Company under this endorsement shall be limited to Rs. 100000/- in respect of each Employee per accident.

All other terms and conditions as per ITOI's Standard WC Policy wordings.

Agent Name & Telephone No:	UPADHYAY, KAILASH
----------------------------	-------------------

The Policy is subject to following endorsement(s) - Endorsement No / Endorsement Wording

The Policy is subject to the following Warranties / Conditions/ Definitions

1. Coverage of Employees should be as per The Indian Employee's Compensation Act , 1923.
2. Wage & Attendance register must be maintained.

Exclusion: Losses or damages caused directly or indirectly due to any infectious or contagious disease, pandemic /epidemics as declared by WHO and / or Government of India will be an exclusion under this policy.

The Coverage is as per Policy Wordings / Endorsements / Clauses attached with the Policy Schedule. Please go through Workmen's Compensation Policy and in case of discrepancy, Please inform us.

Corporate Identity Number(CIN): UT40990L2000PLC107621

Toll Free : 1-800-103-5499 ; Other : ( 0124) 428-5499 ; SMS "claim" to 56161

Policy Issuing Office: Delhi

Consolidated Stamp Duty deposited as per the order of Government of National Capital Territory of Delhi

#### Workmen's Compensation Insurance - Policy Wordings

Employee's Compensation Act 1923, Indian Fatal Accidents Act 1855, Common Law

WHEREAS the Insured carrying on the Business described in the Schedule and no other for the purpose of this insurance by a proposal and declaration which shall be the basis of this contract and is deemed to be incorporated herein has applied to the IFFCO TOKIO GENERAL INSURANCE CO. LTD. (here in after called The Company) for the insurance hereinafter contained and has paid or agreed to pay the Premium as consideration for such insurance.

NOW THIS POLICY WITNESSETH that if at any time during the period of insurance any employee in the Insured's immediate service shall sustain personal injury by accident or disease arising out of and in the course of his employment by the Insured in the Business and if the Insured shall be liable to pay compensation for such injury either under: The Law(s) set out in the Schedule or at Common Law then subject to the terms exceptions and conditions contained herein or endorsed hereon the Company will indemnify the Insured against all sums for which the Insured shall be so liable and will in addition be responsible for all costs and expenses incurred with its consent in defending any claim for such compensation.

PROVIDED ALWAYS that in the event of any change in the Law(s) or the substitution of other legislation thereof this Policy shall remain in force but the liability of

#### Validity unknown

Digitally signed by SUBRATA MUKTAN  
Date: 2023.11.22 16:08:54 IST  
Reason: Valid Policy Copy  
Location: IFFCO Tokio General Insurance Company Ltd, India



Workmen's Compensation (UIN : IRDN1108P0006V01200001)

Attaching to and forming part of Policy Number 43311814

'Show Signature Properties'-->Click on 'Show signer's certificate'-->Go to Tab 'Trust'-->Click on 'Add to Trusted Certificate'-->Click on 'OK'-->Click on 'Close'

the company shall be limited to such sum as the Company would have been liable to pay if the Law(s) had remained unaltered.

#### EXCEPTION

The Company shall not be liable under the Policy in respect of :

- Any injury by accident or disease directly attributable to war invasion act of foreign enemy hostilities (whether war be declared or not) civil war mutiny insurrection rebellion revolution or military or usurped power.
- The Insured's liability to employees or contractors to the insured.
- Any liability of the insured which attaches by virtue of an agreement but which would not have attached in the absence of such agreement.
- Any sum which the Insured would have been entitled to recover from any party but for an agreement between the Insured and such party.

#### CONDITIONS

- This Policy and the Schedule shall be read together as one contract and any word or expression to which a specific meaning has been attached in any part of this Policy or of the Schedule shall bear such specific meaning wherever it may appear.
- Every notice or communication to be given or made under this Policy shall be delivered in writing to the Company.
- The Insured shall take reasonable precautions to prevent accidents and disease and shall comply with all statutory obligations.
- In the event of any occurrence which may give rise to a claim under this Policy the Insured shall as soon as possible give notice thereof to the Company with full particulars. Every letter claim writ summons and process shall be notified or forwarded to the Company immediately on receipt. Notice shall also be given to the company immediately the Insured shall have knowledge of any impending prosecution inquest or fatal enquiry in connection with any such occurrence as aforesaid.
- No admission offer promise or payment shall be made by or on behalf of the Insured without the consent of the Company which shall be entitled if it so desires to take over and conduct in his name the defence or settlement of any claim or to prosecute in his name for its own benefit any claim for indemnity or damages or otherwise and shall have full discretion in the conduct of any proceedings and in the settlement of any claim and the Insured shall give all such information and assistance as the Company may require.
- The first premium and all renewal premiums that may be accepted are to be regulated by the amount of wages and salaries and other earnings paid by the Insured to employees during each Period of Insurance. The name of every employee together with the amount of wages salary and other earnings shall be properly recorded and the Insured shall at all times allow the Company to inspect such records and shall supply the Company with a correct account of all such wages salaries and other earnings paid during any period of Insurance with one month from expiry date of such Period of Insurance. If the amount so paid shall differ from the amount on which premium has been paid the difference in premium shall be met by a further proportionate payment to the Company or by a refund by the Company as the case may be.
- The Company may cancel this Policy by sending seven days notice by registered letter to the Insured at his last known address and in such event the premium shall be adjusted in accordance with Condition 6.
- If any difference shall arise as to the quantum to be paid under this Policy, (liability being otherwise admitted) such difference shall independently of all other questions be referred to the decision of an arbitrator to be appointed in writing by the parties in difference or if they cannot agree upon a single arbitrator to the decision of two disinterested persons as arbitrators of whom one shall be appointed in writing by each of the parties within two calendar months after having been required so to do in writing by the other party in accordance with the provisions of the Arbitration Act 1940, as amended from time to time and for the time being in force. In case either party shall refuse or fail to appoint arbitrator within two calendar months after receipt of notice in writing requiring an appointment, the other party shall be at liberty to appoint sole arbitrator, and in case of disagreement between the arbitrators, the difference shall be referred to the decision of an umpire who shall have been appointed by them in writing before entering on the reference and who shall sit with the arbitrators and preside at their meetings.

It is clearly agreed and understood that no difference or dispute shall be referable to arbitration as hereinbefore provided, if the Company has disputed or not accepted liability under or in respect of this Policy.

#### Validity unknown

Digitally signed by SUSRITA MISHRA  
Date: 2023.11.22 16:00:54 IST  
Reason: Valid Policy Copy  
Location: IFFCO Tokio General Insurance Company Ltd. India



Workmen's Compensation (UIN : IRDAN106P0006V01200001 )

Attaching to and forming part of Policy Number 43311814

'Show Signature Properties'—Click on 'Show signer's certificate'—Go to 'File'—Click on 'Add to Trusted Certificate'—Click on 'OK'—Click on 'Close'

It is hereby expressly stipulated and declared that it shall be condition to any right of action or suit upon this Policy that the award by such arbitrator, arbitrators or umpire of the amount of the loss or damage shall be first obtained.

It is also hereby further expressly agreed and declared that if the Company shall disclaim liability to the Insured for any claim hereunder and such claim shall not within 12 calendar months from the date of such disclaimer have been made the subject matter of a suit in a court of law, then the claim shall for all purposes be deemed to have been abandoned and shall not thereafter be recoverable hereunder.

9. The due observance and fulfillment of the terms, conditions and endorsements of this Policy so far as they relate to anything to be done or not to be done by the Insured and the truth of the statements and answers in the Proposal shall be conditions precedent to any liability of the Company to make any payment under this Policy.

10. It is hereby understood and agreed that the cover provided under this Policy shall not extend to indemnify the Insured/Insureds in respect of any interest and/or penalty which may be imposed on him/them on account of his/her failure to comply with the requirements laid down under the Workmen's Compensation Act, 1923 and subsequent amendments of the said Act.

11. The terms earnings, wages and salaries shall mean the employees total remuneration paid or fallen due for payment including overtime, value of board and/or lodging, housing accommodation bonuses and all other perquisites privileges or benefits in kind or money, received by the employees from the employer in connection with their employment which are capable of being estimated in money. These terms do not however include any travelling allowance or the value of any travelling concession or a contribution paid by the employer of a workman towards any pension or provident fund or a sum paid to a workman to cover any special expenses entitled on him by the nature of his employment. No deductions shall be made in respect of any contributions paid by employees in connection with pension or provident funds or of income tax deducted at source.

#### **Terrorism Damage Exclusion Warranty**

Terrorism / Terrorist Incident of whatsoever nature directly or indirectly caused by, resulting from or in connection with any act of terrorism regardless of any other cause or event contributing concurrently or in any other sequence to the loss is not covered.

**Terrorism / Terrorist Incident :** Means any actual or threatened use of force or violence directed at or causing damage, injury, harm or disruption, or the commission of an act dangerous to human life or property, against any individual, property or government, with the stated or unstated objective of pursuing economic, ethnic, nationalistic, political, racial or religious interests, whether such interests are declared or not. Robberies or other criminal acts, primarily committed for personal gain and acts arising primarily from prior personal relationships between perpetrator(s) and victim(s) shall not be considered terrorist activity. Terrorism shall also include any act, which is verified or recognized by the relevant Government as an act of terrorism.

**ANNEXURE-17: LABOR CAMP CONDITION DURING REPORTING PERIOD**

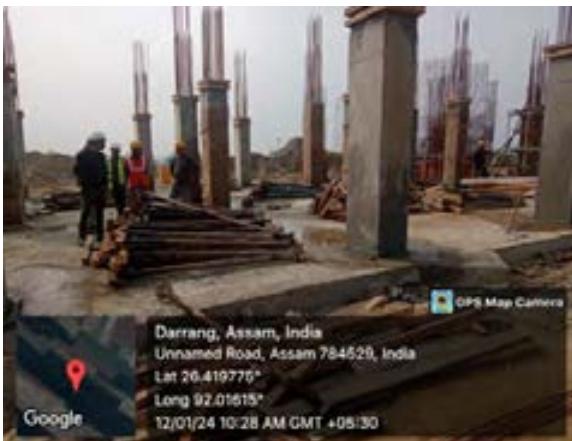


**Toilet hygiene, lighting, water and ventilation maintained**



**Labor camp flooring PCC, Ventilated, and provided with mattresses**

## **ANNEXURE-18: HEALTH AND SAFETY PRACTICES AT SITE**



## Use of PPE by workers



Tool box talk session by HSE manager



## Water sprinkling at site and access roads



**Emergency contact number displayed at prominent locations.**



**DG set stack height installed as per CPCB requirement.**



**Electrical panel provided with rubber mat.**



**Edge protection in building work for fall protection**



**Speed limit in access road Interim campus-ASU**

## ANNEXURE-19: ASU INTERIM CAMPUS CTE EXEMPTION

1/4/24, 4:22 PM

Gmail - Regarding application of CTE-ASU Interim Campus



Sanghita Dutta <sanghita.asup@gmail.com>

### Regarding application of CTE-ASU Interim Campus

2 messages

Sanghita Dutta <sanghita.asup@gmail.com>  
To: membersecretary@pcbassam.org  
Cc: "Cc:" <asup.cec@gmail.com>, Himalay Sarma <himalay.asup@gmail.com>

Fri, Dec 29, 2023 at 2:10 PM

Respected Sir,

We would like to inform you that Assam Skill University (Govt. of Assam, funded by Asian Development Bank) is going to have an interim campus in ITI Guwahati, Dibrugarh, established in 1957. The total built-up area of the Interim campus will be around 11972 sq. ft (1112.23 m<sup>2</sup>). The current subproject involves civil construction and renovation of ASU Interim campus and facilities, including new construction of G+1 building of 2500 sq.ft.(232.25 m<sup>2</sup>), renovation of existing workshop building of 5708.18 sq. ft (530.30 m<sup>2</sup>), and construction of prefabricated shed of 3764 sq.ft.(348.63 m<sup>2</sup>).

The domestic use waste water generation will be within 7 to 8 KLD and will be managed with appropriate systems such as septic tanks. Laboratory waste is anticipated but minimal because only three schools are proposed on the campus:

1. School of Technology (AI)
2. School of Manufacturing and Construction
3. School of Management and Finance.

These wastes will require handling, transport, and disposal as per regulatory requirements of their respective categories to avoid environmental impacts.

Sir we would like to confirm whether CTE needs to be taken by us for the Interim Campus of the Assam Skill University.

Thanking you

Yours sincerely  
Dr Sanghita Dutta  
Environment Specialist  
Assam Skill University Project.

Member Secretary <membersecretary@pcbassam.org>  
To: Sanghita Dutta <sanghita.asup@gmail.com>

Wed, Jan 3, 2024 at 12:27 PM

Dear Ms.Dutta,

With reference to the trailing mail, it is hereby to inform you that an infrastructure project of 20000m<sup>2</sup> and above is covered under the consent mechanism of the Board as of now as per the provisions of the EC Notification,2006 as amended.

As such, for your proposed project in ITI Guwahati for the ASU Interim campus and facilities involving construction of G+1 building of 2500 sq.ft. (232.25 m<sup>2</sup>), renovation of existing workshop building of 5708.18 sq. ft (530.30 m<sup>2</sup>) and construction of prefabricated shed of 3764 sq.ft. (348.63 m<sup>2</sup>), Consent to Establish and Consent to Operate, as granted by the Board under the provisions of the Air Act -1981 and Water Act-1974 shall not be required.

However you are hereby requested to follow the provisions of the Construction and Demolition Waste Rules 2015 during execution of the project.

With Regards,

<https://mail.google.com/mail/u/1/?k=992c0629f1&view=pt&search=all&permuid=thread-a:z-6210103619435180666&siml=msg-a:z30581001146...> 1/2

Assam Skill University Project- Loan No. L4166-IND  
Semi Annual Environmental Monitoring Report for (August 23-January 24)

1/4/24, 4:22 PM

Gmail - Regarding application of CTE-ASU Interim Campus

Dr Shantani Kr Dutta  
Member Secretary  
Pollution Control Board, Assam  
Bamunimaidam, Guwahati-21

---

**From:** Sanghita Dutta <[sanghita.asup@gmail.com](mailto:sanghita.asup@gmail.com)>  
**Sent:** Friday, December 29, 2023 2:16 PM  
**To:** Member Secretary <[membersecretary@pcbassam.org](mailto:membersecretary@pcbassam.org)>  
**Cc:** Cc: <[asup.ceo@gmail.com](mailto:asup.ceo@gmail.com)>; Himalay Sarma <[himalay.asup@gmail.com](mailto:himalay.asup@gmail.com)>  
**Subject:** Regarding application of CTE-ASU Interim Campus

{Quoted text hidden}

<https://mail.google.com/mail/u/1/?k=992c0529f4&view=pt&search=all&permthid=thread-a:9210403649438180696&similimsg-a:39581901146...> 2/2

## **ANNEXURE-20: NOISE AND VIBRATION MANAGEMENT PLAN-ASSAM SKILL UNIVERSITY PROJECT**

### **1. IMPORTANCE**

Construction works can cause significant noise impacts if not managed properly. Potential noise impacts vary based on the noise amplitude, frequency, distance from receptors, site landscape features, topography, presence of obstacles, and meteorological conditions. The severity of potential noise impacts is also linked to the typical background noise environment i.e. a noisy urban area versus a quiet rural setting. Key ASU project-related noise sources are generators, vehicles, construction equipment, batching plant and vibratory rollers. This plan presents a clear and concise construction noise and vibration management plan for the construction stage that can greatly assist in communicating to the project team and the community what are the identified noise impacts and how will they be managed.

### **2. OBJECTIVES AND SCOPE**

The objective of this plan is to minimize potential noise and vibration impacts on receptors resulting from the construction activities of this project. The aim of a monitoring procedure is to ensure works are being carried out in accordance with the Noise management plan and noise levels are limited to the prescribed OSHA levels as well as regulatory limits of Gol prescribed by the Central Pollution Control Board.

- Identify the potential noise pollution sources and control pollution accordingly.
- Mitigate and avoid noise pollution and vibration from construction activities as far as feasible and reasonable.
- Monitor noise levels produced by site activities; and implement corrective actions as the need arises.
- Minimize potential noise and vibration impacts of project construction on sensitive receptors.

### **3. NOISE MANAGEMENT TARGET AND AIMS**

As a precautionary and control measure for this project, this Noise and Management Plan will be used as a standard operating procedure. This management plan defines the measures to control and limit noise emissions levels, at residential properties and other sensitive receptors in the vicinity of the project site. This plan will be used to prevent, control, and mitigate noise pollution from the construction activities and health impact on local people, workers, and staff. Noise management target and aims has set targets to be achieved while construction work is in progress such as:

- According to the EMP included in the approved IEE document for this project Ambient noise levels should conform to residential standards both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. These noise measurements will be taken up as per the monitoring plan included in the approved IEE document.
- Proper fencing and / or portable noise barriers surrounding the construction activity (under construction ASU building sites), habitations around ASU site (especially near batching plant) will be maintained.

- No noise generating construction activity will be taken up in the nighttime (10 PM to 6.00 AM) to avoid any inconvenience to local population residing near the project site.
- Noise-generating equipment maintains the standard distance from the human settlements and these shall be periodically maintained to avoid excess noise generation.
- Use of earplugs/ear mufflers wherever and whenever necessary shall be made compulsory and usage shall be strictly enforced by the HSE officer of the contractor.
- Construction activity during day hours only (6.00 am to 10.0 PM) and the exposure of contractor personnel working in high noise zones will be limited to 8 hours only in an environment of maximum 90 dB(A) noise levels (OSHA limit 90 dB(A) for 8 hours exposure).
- Noise related complaints received from affected people/community will be responded to promptly and effectively.
- Regular monitoring of the noise levels at construction site

#### **4. VIBRATION MANAGEMENT PLAN**

The activities causing vibrations are limited in the project as the project area does not require blasting or rock cutting. However, low level vibrations may be induced due to movement of heavy equipment and cutting of concrete layer and or wall for the adjustment. The following measures will be adopted to minimize vibrations impacts:

- i. The equipment and machinery movement shall be restricted only to delineated and paved surface only.
- ii. Any excavations and or heavy ground compaction activity will be taken up at a minimum distance of 15 m from the residential houses close to the site
- iii. No movement of heavy equipment and machinery will be taken up in the nighttime. Similarly, construction activities requiring heavy compaction impacts on ground will also not be taken up in the nighttime.

#### **5. INTENDED OUTCOMES**

It is expected to achieve the following outcomes through undertaking noise attenuation and vibration management measures:

- Achieve construction noise limits, noise management levels and where these cannot be achieved, implement all reasonable and feasible mitigation measures to minimise the impacts of noise and vibration on the surrounding receptors.

#### **6. POSSIBLE SOURCES OF NOISE POLLUTION**

Ambient noise quality pollution sources at the construction site with a specific machine or tools are given in the below:

- Generators
- Concrete Pump
- Welding Machine
- Air Compressors
- Mixer Machine
- Drill Machine
- Plate Compactor
- Shallow Pump
- Water truck pump

- Fog hammer
- Poker vibrator
- Concrete breaker
- Rebar cutting
- Fabrication activity

## **7. POTENTIAL RECEPTORS**

The potential receptors are as follows:

- Nearby Houses and accommodation
- Nearby agricultural land
- Site offices and workers accommodation/camp

## **8. TRAINING**

Training activity associated with the Noise and vibration management will be appropriately documented in terms of need, assessment, training plan, and records of training undertaken and also training conducted by HSE officer.

## **9. REPORTING**

The Contractor will follow the instructions to report and record all necessary noise management and vibration issues.

## **10. REVIEW AND IMPROVEMENTS**

This plan will be reviewed by the PMU, PMC, CSQA firm and the HSE Managers of the respective contractors and necessary improvements will be done accordingly.

## COMPLIANCE STATUS OF THE PLAN FOR THE REPORTING PERIOD

### QUARTERLY NOISE MEASUREMENT RESULTS

Quarterly noise monitoring results for the reporting period are Leq (Day): 61.5 dB(A) and Leq Night: 53.9 dB(A). The noise levels are below the noise level standard of 75 dB(A) Leq in day time(6.00am-9.00pm) and 70 dB(A) Leq in night time(9.00pm-6.00am) as notified by the MoEF &CC, Govt. of India vide, GSR7, dated Dec.22,1998. (As per specific conditions of CTE- ASU). It is clear that noise levels monitoring results are well within the specified limits.



Noise monitoring by officials

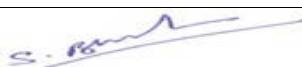
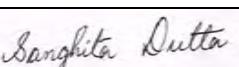


Use of earplugs during pile breaking works and compaction works

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