Environmental Monitoring Report

Project Number: 53277
Semiannual Report
For the Period February–July 2022

India: Assam Skill University Project

Sub-Project: Detailed Design and Construction of Assam Skill University Campus and Facilities & Construction of Boundary Wall of University Campus

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

CURRENCY EQUIVALENTS

(As of 5June 2022)
Currency unit – Indian rupee (Rs)
Rs1.00 = $0.01288494
$1.00 = Rs 77.61

ABBREVIATIONS

ADB	-	Asian Development Bank
ASDM	-	Assam Skill DevelopmentMission
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

WEIGHTS AND MEASURES

µg	–	microgram
dB(A)	–	weighted decibel
km	–	kilometer
km^2	–	square kilometer
m	–	meter
m^2	–	square meter

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EXECUTIVE SUMMARY

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) will be the executing agency (EA) and Assam Skill Development Mission (ASDM) will be 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^2) plot near Mangaldoi in Darrang district.

2. At the time of project concept stage in September 2020, 100 Bigha of land were allotted for the ASU, and the project team completed environmental screening, categorization and consultations in November 2020. Subsequently, in January 2021, the government of Assam, through the land advisory committee of the Darrang district, recommended additional 150 Bigha of land for the project. Based on this recommendation, the ASDM carried out the engineering survey and prepared a preliminary design layout covering an area of 210 Bigha (69.5 acres) of land with an aim of making campus more open, grand and beautiful. The IEE report was prepared in March 2021 and was approved in April 2021 for 210 Bigha area. Subsequently after loan signing, additional area (40 Bigha) was also included, due to this ASU plot boundary limits were changed and boundary wall length changed. Hence, the IEE reportis updated for 250 Bigha plot of ASU. In newly added area of 40 Bigha, the EA will plan and implement the facilities in future.

3. The site for ASU has been finalized near Mangaldoi town of Darrang district in Assam. The site is about 73 km from Guwahati. The ASU will be comprised of: (a) school of manufacturing and construction; (b) school of management and finance; (c) school of agriculture and food technology; (d) school of technology; (e)school of sustainability; (f) school of mobility; (g) school of design and creativity; (h) school of tourism, hospitality and wellness;(i) school of healthcare; (j) school of entrepreneurship and innovation; (k) school of life skills and languages; (l) school of lifelong learning; and (m) school of faculty and curriculum development. The built-up area of the ASU will be around 76,131 m^2. The total cost of project is estimated to be US$ 140 million.

4. The ASU project site is an unencumbered land owned by the government. The projectis categorized as 'B' for environment. Accordingly, to comply with the Asian Development Bank

(ADB) Safeguard Policy Statement (SPS), 2009, the initial environmental examination (IEE) report has been updated for the latest sub-project configuration and ASU plot area of 250 Bigha of land.

5. For ease of implementation, ASU campus development has been divided into a few sub-projects. Some of these subprojects, will be prepared and supported under the project, while the others will be prepared after the construction is completed. The major subproject involves detailed design and construction of ASU campus and facilities, including academic and administration buildings (18386 m^2), laboratories (13008m^2), workshops (2761m^2), staff quarters and guest houses(14609m^2), hostels (3500 m^2), community center(2316m^2), miscellaneous buildings (1079 m^2), multipurpose hall (2316 m^2), single storied corridor with RCC roof (1144m), single storied corridor with sheeting roof (3102 m), and open-air theatre (150 m^2). Asbestos products will not be used in the roofing sheets. The subproject also comprises utility infrastructure, including sewage treatment plant (STP) (400 KLD capacity for phase I, space available for future expansion), transformer capacity 4000 kVA, DG set for backup power 1500 kVA and overhead water storage tank (400m^3), solar power heating system for 64000 liters per day capacity and roof top solar system for solar power generation100 kW capacity. The utility infrastructure is included in the built-up area (76,131$m^{2)}$ mentionedabove (para. 2). Three rainwater harvesting structures with a combined capacity of 800 m^3 will also be provided. The revised IEE report has been prepared for ASU project based on overallplot, preliminary design, soil testing and geotechnical investigation report and drawings of above-mentioned ASU campus and facilities.

6. Preliminary design of ASU campus and facilities has been finalized after topographic survey, soil testing and geotechnical report and with due consideration to other climatic and location specific factors such as intense rainfall, liquefaction (weak soil strength) and earthquake zone V coefficient. The detailed design under progress takes care of all the above risk factors. The construction of ASU campus and facilities will mainly be for buildings, workshops and laboratories and furnishing these with equipment, instruments, and machinery.In addition to electrifying these buildings and facilities, drainage, water supply and sewage network systems and sewage treatment plant will be installed as part of utility infrastructure. To make campus ambience soothing to the eyes, plantation of shrubs and ornamental trees, landscaping in open areas (total green area -217830.74 m^2), and development of existing small ponds/low lying areas as water bodies shall also comprise this subproject.

7. The revised IEE report provides details of the subproject and associated potential environmental impacts during pre-construction, construction, and operation phases. The revised IEE report also suggests ways of mitigating and addressing these identified environmental impacts. In the vicinity of ASU site, there are no environmentally and/or ecologically protected areas (national parks, wild-life or bird sanctuaries, tiger reserves, bio-spheres, forests, etc.), wetlands, mangroves, or estuaries in or near the ASU site. There are no archeologically protected monuments, structures, or heritage sites within 300 m distance of ASU plot boundary (nearest protected structure at about 35 km distance from ASU site). The

ASU site is a plain terrain.

8. Since the subproject will involve civil works, consumption of natural resources (water, construction materials), transportation of construction materials, usage of construction equipment and machinery and consumption of power supply, there will be environmental impacts. Similar to the construction stage impacts, there will be environmental impacts during operation phase as well. Yet environmental impacts during both construction and operation phases are not likely to be significant as these will be limited to ASU site with no tree cutting requirements for campus and facilities construction. The routine and localized impacts associated with construction and operation can be mitigated easily by following the measures laid down in the revised **Environment Management Plan (EMP)** included in the revised IEE report. The revised EMP is included in the contract of the finalized contractor. The revised IEE confirms the subproject (detailed design and construction of ASU campus and facilities) and (Construction of Boundary Wall of University Campus) as environment category "B". No further special study or detailed environmental impact assessment (EIA) needs to be undertaken to comply with ADB SPS, 2009 or Government of India EIA Notification, 2006.

9. A 'with' and 'without' ASU project scenario has been considered to justify the subproject. Location and usage of alternative materials have also been analyzed from environmental and sustainability considerations. The sustainability considerations have also been discussed for the project scenario.

10. PMU at ASDM is responsible for supervising overall planning and implementation of civil works. The PMU has environmental and social safeguard specialists. To assist PMU in supervision, project management consultant (PMC) firm and construction supervision and quality assurance (CSQA) firm have been appointed. PMU and PMC will ensure that the revised EMP is followed during pre-construction and construction phases. The revised EMP implementation will be monitored by the environment safeguard specialists of PMU and appointed PMC firm.

I. INTRODUCTION

A. Background

1. **Location.** The proposed location of ASU is near Mangaldoi in Darang district of Assam. The latitude and longitude of the ASU site are given below and coordinates of newly added area central point are also given. Further, detailed map having coordinates marked on boundary of current plot is given in the next section of the report.

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

2. The nearest rail head to Mangaldoi is Tangla at about 35 km and Rangia Junction 48 km away from the ASU site. The project site is well connected to important destinations such as Guwahati, New Jalpaiguri, Rangia and Nalbari. The distances of important destinations are given below:

Table 2: Distances of important destinations from ASU site

Sl. No.	Name of Facility	Altitude (m)	District	Distance from ASU site
1.	ASU	51.24	Darrang	Guwahati Airport : 70 Km Guwahati City : 72 Km Tezpur : 107 Km Nalbari : 68 Km IIT Guwahati : 52 Km Udalguri : 43 Km Alipurduar : 303 Km Cooch Behar : 323 Km Darang : 5 Km Barpeta : 123 Km Morigaon : 141 Km

3. The proposed Skill University site is a vacant land in the ownership of Assam Skill University (ASU), Government of Assam. The Darrang district geographically lies between the latitude 20° 9´N to 26.96° North and longitude 91° 45´ E to 92° 22´ East.

4. **Present Status of ASU Site:** The ASU site is a plain terrain. The site ownership is with Assam Skill University. There are no permanent or temporary structures on the site. Thereare also no trees at site. The photographs of the ASU site are shown below. The newly addedarea also has no trees and has plain terrain. Photographs of newly added area of 40 Bigha are given in the Figure below:

Figure 1. Assam Skill University site conditions

View of access road connecting site withNH

View of site showing plain terrain

View of site showing no presence of trees or shrubs

View of additional area at site showing growth of local shrubs due to vacant andunutilized land

View of site showing water in some portion but no trees

B. Purpose of Report and Report Preparation

The first Semiannual Environmental Monitoring Report (SEMR) covers the period from February to July 2022 (loan effective from 18th February), in compliance with the Project Loan Agreement, for submission to ADB. The report presents the findings of the monitoring of environmental safeguards protection and supervision activities. In particular, it determines whether or not the EMP and environmental protection measures and mitigation recommended in the approved EMP document have been implemented effectively to avoid, minimize, or mitigate environmental impacts. It also identifies activities that have not been properly implemented by the project.

II. PROJECT PROGRESS

A. Project Implementation Progress

1. The project has Two Civil Contracts CW- 01 Land preparation and boundary wall for ASU campus and CW- 02 Detailed design and construction of ASU campus and facilities. Project overview and project progress are summarized in the Table 3.

Table 3: Project Overview, Snapshot of Project Progress

Project Number and Title:	Project Number: 53277 Loan: 4166-IND Title: Assam Skill University Project	
Safeguards Category	Environment	B
Reporting period:	Jan-Jun 2022	
Next report date:	January 2023	
Key sub-project activities	• Land preparation and boundary wall for ASU campus (CW- 01) • Detailed design and construction of ASU campus and facilities (CW-02)	
Report prepared by:	PMU under technical support by Mr.Shashi Bhushan (PMC environmental safeguards specialist)	

2. The physical completion of the project is indicated below to cover a period of Jan-Jun 2022. Based on the Table 4, the detailed progress of Assam Skill University Project is described Below.

- ► Site for ASU campus of 250 bighas of land was handed over from Circle Office, Mangaldai Revenue Circle on 15th November 2021 and demarcation of the boundary with GPS co-ordinates was completed on 16th December 2021.
- ► Contour and Traverse Survey Map for 250 bighas of land including the boundary demarcation with co-ordinate points has been prepared considering the BM received from GSI.
- ► 20 years HFL data from Water Resource Dept., Mangaldai, Assam have been collected to figure out the height of earth filling of the ASU campus and plinth level of the buildings.

- ► Geotechnical Investigation report (duly vetted by Civil Engineering Department, Assam Engineering College) has been received on 3rd February 2022 which shows potentially liquefiable zone in all the bore holes up-to a maximum depth of 10.5 m.
- ► Project Management Support (CS01), Contract awarded to EY LLP in Joint Venture with Vision EIS Consulting Pvt Ltd Team is on-boarded
- ► Construction and Supervision & Quality Assurance (CS02), Contract has been awarded to Shah Technical Consultants Private Limited. Team is on boarded
- ► ASU management system and operating system development (CS 03), RFP has been issued on 9th May 2022
- ► Contract agreement for CW01 is signed on 30th September 2021.
- ► Contract agreement for CW02 is signed on 2nd November 2021.
- ► Site handed over to M/s PCPL & BIL (JV) on 21st January 2022 for CW02 -Detailed design and construction of ASU campus and facilities.
- ► Hydrological study to facilitate decision on landfilling done by IIT Guwahati has been submitted by CW02 Contractor on March 2022.
- ► Terrain analysis and Socio Environmental Study to facilitate optimal land filling has been done by IIT Guwahati has been submitted by CW02 Contractor on April 2022.
- ► Preparation of Master plan of the ASU campus showing earth filling, plinth heights of different buildings, landscaping, drainage and water bodies based on detailed hydrological study of the site is in progress. The HFL and its implication on the immediate surrounding is being given consideration. This has delayed the finalization of the Master Plan and there are design changes suggested by the experts on board.
- ► Boundary wall design and revised estimate for total area of 250 Bighas (82.6 acre; total length of about 4220m) land has been prepared.

Table 4: Progress work of each sub-project

SL.NO.	CONTRACT NO.	CONTRACT NAME	CONTRACTOR	AWARD DATE	COMPLETION DATE	STATUS
1.	CW- 01	Land preparation and boundary wall for ASU campus	M/s A. S. Enterprise	30th September 2021	xxx	Boundary Wall Design in Process
2.	CW- 02	Detailed design and construction of ASU campus and facilities	M/s Pawan Communication Pvt. Ltd. in JV with Brahmaputra Infrastructure Ltd.	2nd November 2021	xxx	Master Plan Design in Process

III. IMPLEMENTATION ARRANGEMENTS FOR SAFEGUARDS

A. Roles and Responsibilities for IEE and EMP Monitoring Implementation

1. The ASDM has established a PMU, headed by a full-time Project Director (PD) at ASDM, and consisting of personnel drawn from relevant line departments and market. This PMU have safeguards specialists (social and environment. The PMU will be supported by the project management consultants (PMC). The PMU will be the nodal agency for overall management of all project activities and will be responsible for: (i) project planning and budgeting; (ii) providing day-to-day assistance, supervision and guidance for the site team, contractors and consultants; (iii) reviewing ASU components to satisfy ADB's due diligence requirements and coordinating approvals for proposals submitted by contractors, CSQA firm team, and site team of PMU; (iv) bidding, evaluation and contract award; (v) managing and disbursing funds; (vi) reviewing compliance with loan covenants, contract specifications, work plans and quality control; (vii) monitoring and reporting of environmental safeguards;(viii) consolidating and submitting progress reports, finance and accounting/audit reports, and matters requiring higher-level decision, to the PSC and ADB; and (ix) engaging and mobilization of CSQA firm at Mangaldoi ASU site for quality check and construction works supervision. To implement the construction of ASU project smoothly, the contractor will establish an ASU site office. In this office, space will be available for ASDM team, CSQA team and contractor team for better coordination of project activities. This office will be of temporary structure and will be dismantled on completion of construction activities.

2. The construction of ASU campus and facilities at site will be supervised by the CSQA firm multidisciplinary team. This CSQA firm team will be headed by the Team Leader. The CSQA firm team will be responsible for: (i) providing day-to-day assistance, supervision and guidance to the contractor; (iii) reporting to PMU; (iv) supervising construction, conducting quality control, advising PMU on approval of progress payments to contractors; and (v) maintaining records and accounts on an up-to-date basis and making these available to ADB, its missions, or auditors for inspection.

3. The project management consultant (PMC) will be engaged to provide support to the PMU in overall planning, risk management, implementation, monitoring, reporting, and evaluation under the project. The PMC team will have experienced professionals specializing in areas such as procurement, social safeguards, environmental safeguard, finance, etc. The PMC will assist the PMU and ASDM in meeting the relevant requirements of ADB, GoA, and GoI for project implementation. The PMC team will report and work under the overall guidance of the PMU.

4. In order to ensure effective implementation of safeguard related components in the project, PMU will have safeguard experts (one environmental specialist and one social development specialist). These safeguard experts will ensure implementation of environmental management plan and social safeguard actions under the project.

5. As mentioned earlier, PMC team will also have one environmental safeguard specialist in the team. This environmental specialist will have a graduate degree in environmental sciences with about 8 years of professional experience in environmental assessment and management in projects financed by international financial institutions. The environmental safeguard specialists of PMC will provide support to PMU safeguard

specialists for the EMP implementation during construction, reporting, safeguards related documents preparation, disclosure, and capacity building of CSQA firm team and contractors.

6. The CW02 contractor in the current subproject has appointed one environmental and safety officer for the implementation of IEE and EMP requirements at site.

B. Responsibility for updating IEE during Pre-Construction and Construction

Responsibility for monitoring. During construction, the environmental specialist of PMU and environmental specialist of PMC will monitor the contractor's EMP implementation at site and will update IEE if there is change in scope of ASU campus features or a new component is added. During the operation phase, monitoring will be the responsibility of the PMU and/or ASU management handling ASU operations. The environmental specialist of PMU with the assistance of PMC environmental specialist will prepare semi-annual environmental monitoring reports for submission to ADB till project completion report is prepared. The frequency of submission of environmental monitoring report will be revised from semi-annual to annual in the operation phase.

Responsibility for Reporting. PMU will submit semi-annual reports on the implementation of the EMP to ADB. It will permit ADB to field environmental review missions to examine in detail, the environmental aspects of the project. Any major lapses (such as non-compliances with regulatory requirements, etc.) in adhering to the IEE and/or EMPs for specific sub-projects should be reported to ADB immediately. The PMC's environment specialist will assist the PMU in finalizing the semi-annual environmental monitoring reports. For any non-compliance observed, corrective actions will be implemented in a time bound manner. The cost for mitigating non-compliance will be borne by the contractor as per contract provisions. During the bidding process, prospective contractors will be made aware of these requirements and conditions during pre-bid meetings and inclusion of IEE document as General Conditions of Contract in the contract of selected contractor. In case of mitigation costs of any unforeseen impacts are not coming in scope of contract, these will be met out of contingencies built in the overall project cost.

C. Changes in Project Scope and Updated IEE & EMP

1. The construction and development of ASU campus on 250 Bigha plot (inclusive of recently added 40 Bigha land) does not involve any interventions in and around the natural and cultural heritage destinations and have no significant (direct and indirect) environmental impacts.

2. The revised IEE has identified minor likely impacts on water, air and noise during construction and has defined mitigation measures. Minor impacts have also been identified during operation phase and mitigation measures have also been given in the revised IEE. Those mitigation measures will be implemented and monitored during project implementation.The overall environmental quality of ASU project site and surroundings will not be affected asa result of construction and operation of ASU campus.

3. The specific management measures laid down in the revised IEE will effectively address any adverse environmental impacts due to the ASU project. The effective implementation of the measures proposed will be ensured through the building of capacity towards environmental management within the PMU supplemented by the technical expertiseof safeguards specialists of the PMU and PMC. Further, the environmental monitoring plan provides adequate opportunities towards course correction to address any residual impacts

during boundary wall construction.

4. On the basis of the IEE, it is expected that the subproject has only minor, localized, temporary and reversible environmental impacts. The inclusion of additional 40 Bigha area does not result into any specific and /or irreversible impacts. The identified impacts can be easily mitigated through adequate mitigation measures and regular monitoring during the design, construction and post construction phases of the project. Negative impacts on water,air quality and noise levels during civil works will be appropriately monitored and adequately mitigated. This report has not identified any comprehensive, broad, diverse or irreversible adverse impacts caused by the ASU project. Based on the findings of the revised IEE, the classification of the project as Category "B" is confirmed. No further special study or detailed EIA needs to be undertaken to comply with ADB SPS (2009). The versions of the IEE, revised IEE, and EMPs can be found at https://asdm.assam.gov.in/frontimpotentdata/assam-skill-university-project-asup

IV. ENVIRONMENTAL PERFORMANCE MONITORING

A. EMP and Monitoring Plan Objectives

The EMPs 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 EMP reflects the commitment to environmental management and shall serve as an environmental operation manual for use by management and project staff, contractors, and regulatory authorities. The EMP 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

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 Table 5.

Table 5: Compliance with EMP Requirements (Environmental Performance) during Pre-Construction Phase (CW01):

Sl. No.	**Environmental Issues**	**Mitigation Measures**	Status	Remarks
1	Lack of sufficient planning to assure long term sustainability of the improvements and ensure protection of the assets created	Design has included provisions for ensuring effective maintenance and protection of boundary wall so as to ensure the long-term sustainability. The long-term sustainability has been ensured by taking into consideration appropriate	In progress	Boundary wall design in progress

		Bureau of Indian Standards Codes (BIS) for design, Seismic Zone V coefficient, appropriate wind load factor (corresponding to 39 m/s wind speed), and detailed design after completing topographic survey of ASU site. The site drainage system has been designed based on local conditions, flooding data of Brahmaputra River and hydrological study		
2	Layout of components to avoid impacts on the aesthetics of the project site and surroundings	The boundary wall will not have any adverse impacts on aesthetics of site as there will be only erection of boundary wall. However, boundary wall exterior looks will match the local building exteriors in the project region. The additional length of boundary wall added due to additional 40 Bigha area will also be constructed with the same specifications as per planned for tendered length.	In progress	Boundary wall design in progress
3	Increased storm water runoff from alterations of the site's natural drainage patterns due to landscaping, excavationworks, Construction of parking lot, and addition of paved surfaces	The boundary wall construction will not increase any significant paved surface. But subsequent layout finalization and design of ASU will take care of site storm water runoff quick disposal through effective drainage plan.	In progress	Campus Master Plan Design in Progress
4	Consents,permits, clearances, no objection certificate,(NOC), etc.	Obtain all necessary consents, permits, clearances, NOCs, etc. prior to start of civil works. Acknowledge in writing and provide report on compliance, all obtained consents, permits, clearances, NOCs,	Partially complied	Land NOC received NOC for Wild Life & Forest from State Forest Department – received Labour license and insurance- In process CFE for Batching Plant- In process
5	Establishment of baseline environmental	Conduct documentation of location of components, areas for construction zone	Not complied	To be done after site handover

	conditions prior to start of civil works	(camp, staging, storage, stockpiling, etc.) and surroundings (within direct impact zones). Include photos and GPS coordinates. Carry out environmental monitoring at project site for ambient air quality, water quality and noise levels to establish baseline environmental monitoring for the parameters indicated in the monitoring plan	Partially complied	To be conducted by State pollution control board.
6	Utilities	The locations and operators of utilities to be impacted for the boundary wall construction should be identified and documented in detailed design documents to prevent unnecessary disruption of services during the construction phase. Require contractor to prepare a contingency plan to include actions to be done in case of unintentional interruption of services. Obtain from the site team of PMU the list of affected utilities and operators. If relocation is necessary; contractor will coordinate with the providers to relocate the utility.	Complied	Contingency plan included in draft Site Specific EHS Plan
7	Social and cultural resources	Develop a protocol for use by the contractors in conducting any excavation work, to ensure that any chance finds are recognized and measures are taken to ensure they are protected and conserved	Partially complied	Protocol to be included in Site Specific EHS Plan
8	Construction camp locations, selection, design and layout	Sitting of the construction camp, if required, at project site shall be as per the guidelines below and details of layout to be approved by PMU. The potential sites for labor camp and construction camp shall be identified by the contractor and this identified site shall be visited by the environmental specialist of	Not Complied	To be complied after site handover

		PMU and one having least impacts on environment will be approved by the PMU. As far as possible, construction camp and labor camp will be established within the boundary of plot for the project to avoid impacts on private land. Locations for storage of construction materials shall be identified at the site or at existing buildings in the Mangaldoi town. Sanitation facilities at construction camps shall be adequately planned.		
9	Sources of construction materials	Use quarry sites and sources compliant with environmental regulations of India at the national, state and local levels. Verify suitability of all material sources and obtain approvals from PMU. Submit to PMU on a monthly basis documentation of sources of materials.	Not Complied	To be complied after site handover
10	Access for construction material transportation	Plan transportation routes so that heavy vehicles do not use narrow local roads, except in the immediate vicinity of ASU project site. Schedule transport and hauling activities during non-peak hours. Locate entry and exit points in areas where there is low potential for traffic congestion. Keep the site free from all unnecessary obstructions. Drive vehicles in a considerate manner. Coordinate with the Traffic Police Department for temporary road diversions and for provision of traffic aids if transportation activities cannot be avoided during peak hours.	In- Progress	Detailed plan yet to receive from contractor
11	Occupational health and safety	Comply with IFC EHS Guidelines on Occupational Health and Safety. Develop comprehensive site-	Partially complied	Submitted by Contractor & same reviewed by PMU. Comments awaited by

		specific health and safety (H&S) plans. The overall objective is to provide guidance to contractor on establishing a management strategy and applying practices that are intended to eliminate, or reduce, fatalities, injuries and illnesses for workers performing activities and tasks associated with the project. Include in H&S plan measures such as: (i) type of hazards at construction site;(ii) corresponding personal protective equipment for each identified hazard; (iii) H&S training for all site personnel;(iv) procedures to be followed for all site activities; and (v) documentation of work-related accidents. Take necessary measures for the protection of COVID- 19. Provide medical insurance coverage for workers.		consultants. Revised Plan need to be submitted by Contractor
12	Stakeholder consultations	Continue information dissemination, stakeholder consultations, and involvement of stakeholders during project implementation	Complied	Periodically Conducted

Table 6: Compliance with EMP Requirements (Environmental Performance) during Pre-Construction Phase (CW02):

Sl. No.	Environmental Issues	Mitigation Measures	Status	Remarks
1	Lack of sufficient planning to ensure long term sustainability of the ASU campus and its facilities and protection of assets	Design has included provisions for ensuring effective maintenance of ASU campus infrastructure, so as to ensure the long-term sustainability. The long-term sustainability has been ensured by taking into consideration appropriate Bureau of Indian Standards Codes (BIS) in the design of ASU infrastructure considering seismic Zone V coefficient. Appropriate wind load factor (corresponding to 39 m/s wind speed, maximum possible load) has been considered in the	In- Progress	Campus Master Plan Design in Progress

		building design (maximum wind. The preliminary design has been completed after topographic survey of ASU site. Three rainwater harvesting structures with a combined capacity of 800 m3 will be provided. The capacity of rainwater harvesting structures has been finalized based on computation of runoff with rainfall data and runoff coefficient. The plinth level has been kept about 20 cm above highest flood level to ensure long term sustainability. To address the water logging issue at site an effective drainage system is being designed based on hydrological study and historical flood data of Brahmaputra River. The foundation shall be provided to take care of liquefaction phenomenon at site.		
2	Environmental monitoring to establish baseline monitoring	Environmental monitoring in respect of ambient air quality, water quality (Ground and surface) and noise levels immediately after mobilization to establish baseline at ASU site. Locations for sample collections may be finalized in consultations with PMU and PMC environmental specialist.	Completed. Done by State Pollution Control Board on 27th July 2022	results attached in Annexure 6
3	Layout of components to avoid impacts on the aesthetics of the project site and surroundings	The ASU 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. The additional 40 Bigha area added to site is also similar to existing site and will remain open and kept for future expansion.	In- Progress	Campus Master Plan Design in Progress
4	Increased storm water runoff from alterations of the site's natural drainage patterns	The preliminary ASU layout and design considered storm water runoff. This will be provided through the development of existing seasonal water ponds	In- Progress	Campus Master Plan Design in Progress

	due to landscaping, excavation works, Construction of parking lot, and addition of paved surfaces	(low lying areas) into water bodies within the campus. The capacity of these ponds will be increased through excavation. The part of storm water will be diverted to these water bodies and part will be diverted through drainage system (local drains) outside campus. The effective drainage plan shall be prepared by the contractor, and it will be reviewed by the PMU and PMC for the implementation in the construction phase.		
5	Consents, permits, clearances, no objection certificate (NOC), building drawings approvals from civic authorities, labor licenses of contractors, insurance for workers etc.	Obtain all necessary consents, permits, clearances, NOCs, etc. prior to start of civil works. Acknowledge in writing and provide report on compliance (with terms and conditions) for, all obtained consents, permits, clearances, NOCs, etc.	In- Progress	Land NOC- **Received** NOC for Wild Life & Forest from State Forest Department – Received Labour license and insurance- In process CFE & CFO for Batching Plant- In process
6	Integration of energy efficiency and energy conservation programs in the ASU campus planning and design	The following energy efficiency measures have been adopted in the ASU campus design and subsequent implementation: Installation of BEE certified equipment at the workshop, laboratories, classrooms and other facilities. Usage of energy efficient lighting fixtures (LED and solar). The disposal of discarded LED should be done in consultation with civic bodies and supplier. Solar energy usage for water heating. Solar energy utilization for lighting. Roof top solar system of100 kVA proposed. The implementation of above measures to planned and completed.	In- Progress	Campus Master Plan Design in Progress

7	Establishment of baseline environmental conditions prior to start of civil works	Conduct documentation of location of components, areas for construction zone (camp, staging, storage, stockpiling, etc.) and surroundings (within direct impact zones). Include photos and GPS coordinates. Carry out environmental monitoring at ASU project site for ambient air quality, water quality and noise levels to establish baseline environmental monitoring for the parameters indicated in the monitoring plan.	In- Progress Complied, Done by State Pollution Control Board on 27th July 2022	Campus Master Plan Design in Progress Ambient Air and noise Results attached in Annexure 6. Water results yet to receive
8	Utilities (mainly electric line and possibility of underground cables)	The locations and operators of utilities to be impacted for the subproject should be identified and documented in detailed design documents to prevent unnecessary disruption of services during the construction phase. Require contractor to prepare a contingency plan to include actions to be done in case of unintentional interruption of services.Obtain the list of affected utilities and operators (Assam Electricity Supply Department, Water Supply Department,Telecommunication Departments, etc.).If relocations are necessary; contractor will coordinate with the providers to relocate the utility.	Complied	Contingency plan included in Site Specific EHS Plan.
9	Social and cultural resources	Develop a protocol for use by the contractor in conducting any excavation work, to ensure that any chance finds are recognized, and measures are taken to ensure they are protected and conserved.	Complied	Permit System included in Site Specific EHS Plan.
10	Construction camp- locations, selection, design and layout	Sitting of the construction camp, if required, at project site shall be as per the guidelines below and details of layout to be approved by PMU. The potential sites for labor camp and construction camp shall be identified by the contractor and this identified site shall be visited by the environmental specialists of PMU and PMC and the one having least impacts on	In- Progress	Campus Master Plan Design in Progress

		environment will be approved by the PMU. As far as possible, construction camp and labor camp will be established within the boundary of plot for the project to avoid impacts on private land. Locations for storage of construction materials shall be identified at the site or at existing buildings (taken on rent) in the vicinity of site. Sanitation facilities at construction camps shall be adequately planned.		
11	Sources of construction materials	Use quarry sites and sources compliant with environmental regulations of India at the national, state and local levels. Verify suitability of all material sources and obtain approvals from PMU. Submit to PMU on a monthly basis documentation of sources of materials.	In- Progress	Campus Master Plan Design in Progress
12	Access for construction material transportation	Plan transportation routes so that heavy vehicles do not use narrow local roads, except in the immediate vicinity of ASU campus site because close to site access roads are narrow Schedule transport and hauling activities during non- peak hours (between 1100 to 1700 hours). Locate entry and exit points for the site in a way that traffic congestion is minimum on access roads to site. Keep the site free from all unnecessary obstructions. Drive vehicles in a considerate manner. Coordinate with the Traffic Police Department for temporary road diversions and for provision of traffic aids if transportation activities cannot be avoided during peak hours (in case of exigencies).	In- Progress	Campus Master Plan Design in Progress
13	Occupational health and safety	Comply with IFC EHS Guidelines on Occupational Health and Safety. Develop comprehensive site-specific health and safety (H&S) plan. The overall objective is to provide guidance to contractor on	Complied	Submitted by Contractor & same reviewed by PMU. Revised Plan need to submitted by Contractor

		establishing a management strategy and applyingpractices that are intended to eliminate, or reduce,fatalities, injuries and illnesses for workers performing activities and tasks associated with theproject Include in H&S plan measures such as: (i) type of hazards at construction site; (ii) corresponding personal protective equipment for each identified hazard; (iii) H&S training for all site personnel; (iv) procedures to be followed for all site activities; and (v) documentation of work- related accidents. Ensure that there will be no use of asbestos containing materials such as roofing sheets and pipes. Provide medical insurance and accident coverage for all workers (skilled, semi-skilled and unskilled) of contractors and sub-contractors.		
14	Measures for the protection of COVID- 19 at ASU campus site	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.	Complied	Submitted By Contractor & same reviewed by PMU. Revised Plan need to submitted by Contractor
15	Stakeholder consultations	Continue information dissemination, stakeholder consultations, and involvement/participation of stakeholders during project implementation.	Complied	Conducted periodically
16	Disclosure of revised IEE and revised EMP	The revised IEE report including revised EMP and monitoring table to be disclosed in English and Assamese language at ASDM website and hard copies to be made available at ASU site office, ASDM Guwahati office, and Deputy Commissioner Darrang office.	Complied	Disclosed at ASDM website
17	Establishment of grievance redress	Grievance Redress Mechanism (formation of	Complied	Committees formed and

	committee and functionality	committees) to be notified by the IA (ASDM).		notified by the IA (ASDM).

C. Environmental Monitoring Plan

1. Environmental monitoring will be undertaken during construction at three levels. Environmental monitoring (which covers EMP implementation and compliance with rules and regulations with respect to the environment) at site willbe undertaken by the contractor during pre-construction and construction phases and will be supervised by PMU (with the support of PMC and CSQA Firm teams). Environmentalmonitoring during operation phase will be taken up by the PMU through an accredited laboratory. Water logging is not anticipated as ASU layout design includes ASU campus drainage system. The environment safeguards specialists of the PMU and PMC will ensure that revised IEE and revised EMP are updated for any changes in design in accordance with ADB's and GoA's requirements. The CSQA firm team and environmental specialists of PMC and PMU will ensure that all the provisions of the revised EMP are being adhered to by the contractor.

2. To ensure the effective implementation of mitigation measures and revised EMP during pre- construction and construction phases of this subproject, it is essential that an effective environmental monitoring plan is followed as given in **Table 7**. The proposed monitoring of all relevant environmental parameters, with a description of the sampling stations, frequency of monitoring, applicable standards and responsible agencies are presented in this table.

Table 7. Environmental Monitoring Plan for CW01-Boundary Wall Construction for Preconstruction and Construction Phases

Sl No.	Field (Environmental Attribute)	Phase	Parameters to be Monitored	Locations	Frequency	Responsibility	Cost (INR/US $)
1	Air Quality	During pre-construction phase	CO, NOx, PM_{10}, $PM_{2.5}$, and SO_2	Boundary wall construction site	Once in the preconstruction phase to establish baseline	Contractor and PMU site team through approved Monitoring Agency	INR20,000/US $280
		During construction phase			Once in construction phase		
2	Water quality	During pre-construction phase	TDS, TSS, pH, Hardness, BOD, Faecal Coli form	Ground water close to ASU construction site	Once in pre-construction phase to establish baseline	Contractor and PMU site team through approved monitoring agency	INR20,000/US $280
		During construction phase			Once in construction phase		

Sl No.	Field (Environmental Attribute)	Phase	Parameters to be Monitored	Locations	Frequency	Responsibility	Cost (INR/US $)
3	Noise Levels	During pre-construction phase	Noise quality as per National Ambient Noise Standards on dB(A) scale	Noise levels at boundary wall construction site	Once in pre-construction phase to establish baseline	Contractor and PMU site team through approved monitoring agency	INR 20,000/US $280
		During construction phase			Once in construction phase		
		Operation phase					

Table-8: Environmental Monitoring Plan for the Detailed Design and Construction of ASU Campus and Facilities during Pre-construction, Construction and Operation Phases

Sl. No	Field Environmental Attribute	Phase	Parameters to be Monitored and applicable standards	Locations	Frequency	Responsibility	Cost (INR/US$)
1	Air quality	During pre-construction phase	CO, NOx, PM_{10}, $PM_{2.5}$, and SO_2 (applicable standards – national- National Ambient Air Quality Standards)	Location of maximum construction activity at the ASU site	Once in the pre-construction phase to establish baseline	Contractor through approved monitoring agency during pre-construction and construction phase and ASU management team during operation phase	INR160,000/US $2300
		During construction phase			Once in a quarter except monsoon quarter (June to September) during construction phase		
		During operation phase for first two years			Once in a quarter except monsoon quarter for first two years		
2	Ground water quality	During pre-construction phase	TDS, TSS, pH, Hardness, BOD, Faecal Coliform (applicable standards – national- Drinking Water Quality Standards specified in IS:10500)	Ground water close to ASU construction site	Once in the pre-construction phase to establish baseline	Contractor through approved monitoring agency during pre-construction and construction phase and ASU management team during operation phase	INR160,000/US $2300
		During construction phase			Once in in a quarter except monsoon quarter during construction phase		
		During operation phase for first two years			Once in a quarter except monsoon quarter for first two years		
3	Treated Waste Water in Recycle use in ASU campus	During operation phase	TDS, TSS, pH, Hardness, BOD, Faecal Coliform (applicable standards – national- Drinking Water Quality Standards specified in	Treated water from STP used for recycle	Once in a quarter except monsoon quarter for first two years	ASU management team	INR 60,000/US$850

Sl. No	Field Environmental Attribute	Phase	Parameters to be Monitored and applicable standards	Locations	Frequency	Responsibility	Cost (INR/US$)
			IS:10500)				
4	Noise Levels	During pre-construction phase	Noise quality as per National Ambient Noise Standards on dB(A) scale (Applicable standards – national- National Ambient Noise Standards)	Noise levels at location of maximum construction activity at ASU site	Once in the pre-construction phase to establish baseline	Contractor through approved monitoring agency during pre-construction and construction phase and ASU management team during operation phase	INR 48,000/US $700
		During construction phase			Once in quarter except monsoon quarter during construction phase		
		During operation phase for first two years			Once in a quarter except monsoon quarter for first two years		
		During pre-construction phase					

Sl. No.	Field (EnvironmentalAttribute)	Phase	Parameters to be Monitored and applicable standards	Locations	Frequency	Responsibility	Cost (INR/US $)
			Water Quality Standards specified in IS:10500)				
4	Noise Levels	During pre-construction phase	Noise quality as per National Ambient Noise Standards on dB(A) scale (Applicable standards – national- National Ambient Noise Standards)	Noise levels at location of maximum construction activity at ASUsite	Once in the pre-construction phase to establish baseline	Contractor through approved monitoring agency during pre-construction andconstruction phase and ASU management team during operation phase	INR 48,000/US $700

D. Capacity Building

1. In addition to the primary objective of project strengthening industry-aligned and flexible skills education and training systems in Assam, the subprojects will also raise awareness about environmental conservation amongst implementing agency, contractors, CSQA firm team, and local communities. The project will have the opportunity to build capacityin environment protection for the above-mentioned stakeholders. In the operation phase, ASU campus management team will take up awareness about environmental conservation with theassistance of PMU.

2. The environment specialists at PMU and PMC provided the basic training required for environmental awareness on 18th June 2022. Specific modules customized for the available skill set devised after assessing the capabilities of the members of the training program and the requirements of the project. The training covered basic principles of environmental assessment and management, mitigation plans and programs, implementation techniques, monitoring methods and tools.

E. Environmental Budget

1. Most of the mitigation measures require the contractor to adopt good site practices, which should be part of their normal procedures and these are mandated under the prevailing regulations and standards, hence there are unlikely to be major costs associated with compliance. Only those items not covered under budgets for construction are included in the IEE budget. The revised IEE costs include mitigation, monitoring and capacity building costs. The summary budget for the environmental management costs for the sub-project is presented in **Table 8.**

Table-9: Environmental Management and Monitoring costs (INR)

A. Boundary wall

Monitoring Component	Rate	Amount (INR)	Source of Fund
Pre-Construction and Construction Phase			
Air Quality: One location at boundary wall construction site (one sample during pre-construction phase) and two samples during construction phase (Total 3 samples)	10,000	30,000	Contractor
Water Quality: One ground water sample from boundary wall construction site, (one sample during pre-construction) and two samples during construction phase (Total 3 samples)	10,000	30,000	Contractor
Noise Quality: One location at boundary wall construction site(one sample during pre-construction phase) and two sample during construction phase (Total 3 samples)	3000	9,000	Contractor
Total: Pre-Construction and Construction Phase Monitoring Cost (A)		**69,000**	

Monitoring Component	Rate	Amount (INR)	Source of Fund
O&M Phase: No monitoring planned as no environmental impacts anticipated from boundary wall after completion of construction.			
Total O&M Phase Monitoring Cost (B)		**0**	
Total Cost (A+B)		**69,000**	
Contingencies @ 5 %		**3450**	
Total Budgeted Cost (INR)		**72,450 (approx. 75,000)**	

B. Campus

Monitoring Component	**Rate**	**Amount (INR)**	**Source of Fund**
Pre-Construction and Construction Phase			
Ambient Air Quality: One locationat location of maximum construction activity at ASU site (one sample during pre-construction phase and nine samples during construction phase - Total 10 samples)	10,000	100,000	Contractor
Water Quality: One ground water sample from ASU construction site from existing bore well/hand pump(one sample during pre- construction phase and nine samples during construction phase - Total 10 samples)	10,000	100,000	Contractor
Ambient Noise Quality: One location of maximum construction activity at ASU construction site (one sample during pre- construction phase and nine samples during construction phase - Total 10 samples)	3000	30,000	Contractor
Cost for Occupational Health and Safety Measures Occupational health and safety measures at construction site and workers' camp	Covered in the construction cost of contractor as EMP is part of bid and contract document.		Contractor
Capacity Building Training Program	Covered in the consultancy cost of the PMC and operation costof PMU		
Total: Pre-Construction and Construction Phase Monitoring Cost (A)		**230,000**	
O&M Phase			
Ambient Air Quality One location at ASU campus, thrice a year, for first 2 years	10,000	60,000	PMU and ASU

(threesamples a year, total of six samples)			
Drinking Water Quality One treated drinking water sampleat ASU campus, thrice a year, for first 2 years (three samples a year,total of six samples)	10,000	60,000	PMU and ASU
Treated wastewater Quality One treated wastewater sample used for recycling in ASU campus,thrice a year, for first 2 years (threesamples a year, total of six samples)	10,000	60,000	PMU and ASU
Ambient Noise Quality One location at ASU campus, thrice a year, for first 2 years (three samples a year, total of six samples)	3000	18,000	PMU and ASU

Monitoring Component	**Rate**	**Amount (INR)**	**Source of Fund**
Maintenance of Plantation, Shrubs and Landscape Areas	Covered in operation and maintenance cost of ASU campus		
Capacity Building	Covered in operation and maintenance cost of ASU campus		
Maintenance of drainage system ofASU campus to avoid water logging and flooding	Covered in operation and maintenance cost of ASU campus		
Total O&M Phase MonitoringCost (B)		**198,000**	
Total Cost (A+B)		**4,28,000**	
Contingencies @ 5 %		**21,400**	
Total Budgeted Cost (INR)		**4,49,400 (approx. 4,50,000)**	

F. Environmental Monitoring and Reporting

1. The PMU with the assistance of PMC will monitor and measure the progress of EMP implementation during construction phase. During operation phase PMU safeguard cell in close coordination with ASU operations and management teams will take care of EMP implementation.

2. During construction phase, CSQA firm team with guidance from PMC and PMU environmental specialists will submit monthly monitoring and implementation reports to ASDM. The PMU environmental specialist, with the assistance of PMC environmental specialist, will prepare semi-annual environmental monitoring reports for submission to ADB on behalf of EA. The semi-annual monitoring report will document monitoring results, identify the necessary corrective actions, and reflect them in a corrective action plan. The frequency of submission of environmental monitoring reports to ADB will be reduced to annual in the operation phase. These reports on annual basis will be prepared by the PMU environmental specialist and submitted to ADB till project completion report is issued by the ADB. Monitoring

reports will be posted in ADB website and in other IA locations accessible to the public.

3. If there are any unanticipated impacts found during implementation, the EA, through the PMU will update the IEE and EMP or prepare a new environmental assessment and EMPto assess the potential impacts, evaluate the alternatives, and outline mitigation measures andresources to address those impacts.

4. ADB will review project performance against the EA's commitments as agreed in the legal documents. The extent of ADB's monitoring and supervision activities will be commensurate with the project's risks and impacts. Monitoring and supervising of social and environmental safeguards will be integrated into the project performance management system. ADB will monitor the project on an ongoing basis until a project completion report is prepared.

V. COMPLIANCE WITH ENVIRONMENT RELATED PROJECT COVENANTS

Table 10: Status of Compliance with loan covenants relating to environment

SL.NO.	Covenant	LA Reference	Status
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
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
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, PMU have staff to have responsibility for social and

			environmental safeguards Budget for EMPcompliance is indicated in the Civil Contracts

VI. PUBLIC CONSULTATION AND INFORMATION DISCLOSURE

A. Process For Consultations Followed

1. 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 deprivationof 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 adverseimpacts.

2. In view of this, the need for holding a public hearing (as defined in EIA Notification 2006 of GoI) was not perceived at this stage as EIA Notification is not applicable to ASU project. However, in compliance with the ADB's guidelines, focused public consultations were undertaken during the site visit to the ASU site in Mangaldoi. The consultations were also held with the Deputy Commissioner Mangaldoi, Revenue Authorities of district and local people living close to the ASU site. The stakeholders were informed about the ASU project components and subsequent implementation in their area and their views were obtained. During the preparation of this revised IEE, consultations were also held with the ASDM, StateDepartment of Forest and Environment, and Assam Pollution Control Board. These consultations were carried out on November 12 and 13, 2020 and February 5, and 6, 2021. After inclusion of additional 40 Bigha area to the project site, stakeholder consultations were carried out on March 03, 2022. The number of participants (male and female) is given in **Table-9**. In addition to above mentioned consultations, Government of Assam laid foundationstone for ASU at the site on February 15, 2021 and for this event, there was a public ceremonyattended by about 20,000 people. This was also a mode of communication about the establishment of ASU and this ceremony was covered by local media.

3. The process of consultations was 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.

4. During the consultations local residents opined that there is need to provide skills and job-oriented education to the youth of Assam State so that better employment opportunities are made available to them. The project will help rural youth in getting training and skills enhancement education. The project will also provide employment and business opportunitiesto local population during construction and operation phases. The local people demanded fast implementation of the overall project. The dates of consultations and stakeholders consulted are summarized in **Table 11**.

Table-11: Dates and Stakeholders Consulted

Sl. No.	Stakeholders Consulted	Dates of Consultations	Number of Participants	
			Male	Female
1	ASU campus site	12 and 13 November 2020	10	4
2	Deputy Commissioner Darrang Office	12 November 2020	12	4
3	Assam Skill Development Mission	12 and 13 November 2020	9	2
4	District Revenue Authorities	13 November 2020	4	0
5	ASU campus site	6 February 2021	23	6
6	Principal Chief Conservator of Forest, Assam State Forest Department, Guwahati	5 February 2021	4	0
7	Pollution Control Board, Assam	5 February 2021	5	0
8	Environmental Impact Assessment Authority, Assam State	5 February 2021	4	0
9	ASU Campus Site	3 March 2022	20	10

B. Future Consultation and Information Disclosure

1. Most of the suggestions of stakeholders were considered in the project design, as shown in **Table 9.** 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, an extensive project awareness campaign will be carried out.

Information Disclosure

2. Electronic version of the revised IEE has been placed in the official websites of the ASDM and ADB. On demand, any person seeking information can obtain a hard copy of the complete

IEE document by paying cost of photocopy from the office of the PMU and ASU site office on a written request. The hard copiesof revised IEE report summary in Assamese language has been processed to make available at ASDM office, Guwahati, ASU site office, Mangaldoi and Deputy Commissioner office, Darrang for reference.

3. The PMU will issue notification on the disclosure mechanism on its website ahead of the beginning of the subproject detailing start and end date of construction works. This will create awareness of the project implementation among the public.

C. GRIEVANCE REDRESSAL MECHANISM FOR ASUP

A grievance redress committee (GRC) has been formed at the site and also 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 5 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.

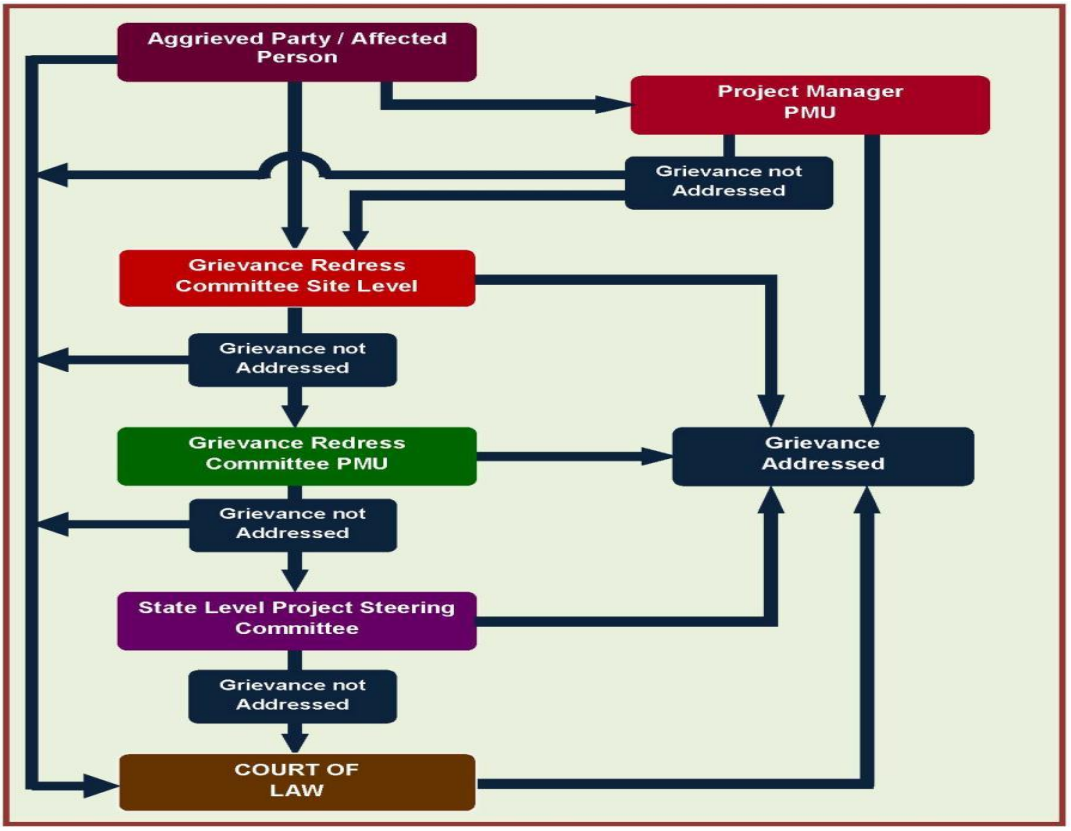


Figure 2. Grievance redressal mechanism for ASUP

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 ASDM website so that public and affected person can register their complaints in the online column.
- 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 in the site for receiving complaints.

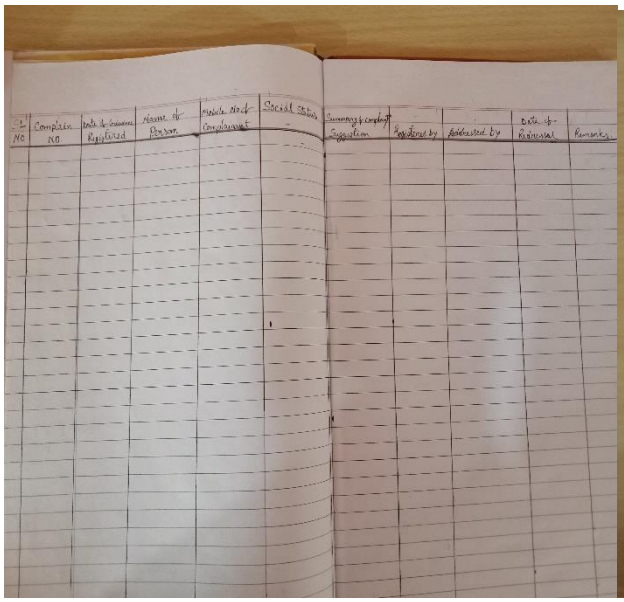
- Telephone based: The complainants can either make phone call or whatsapp to the registered phone number A telephone number is available on the website of ASDM/ASU and at the construction site so that general public can register their complaint through telephone and mobile phone to the ASU site office and PMU office.
- Postal: The complainant can post their grievances to ASU office address put in the project board or website.

Further, person(s)/aggrieved party who are, or may be, adversely affected by the project may submit complaints to ADB's Accountability Mechanism.

Summary: Grievances received during Jan- Jun 2022

- Number of grievances:00
- Number of grievances resolved:00
- Number of outstanding grievances: None

Figure3 (a) : Grievance register in site



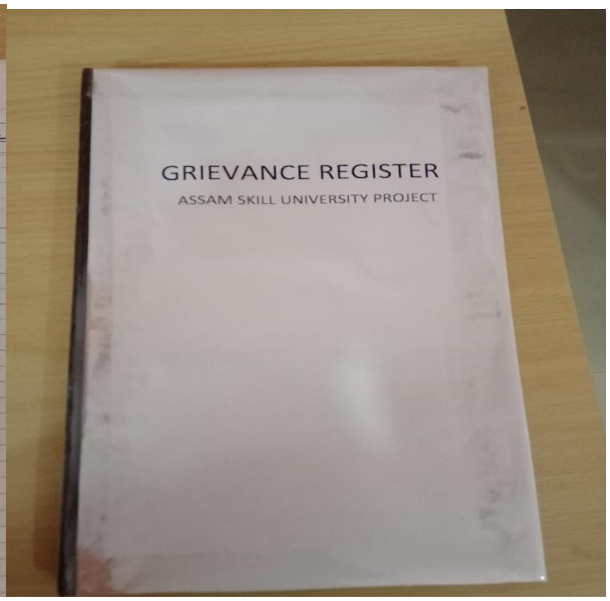


Figure3 (b): Grievance box

3(c) Project Information board at site

VII. FUTURE ACTIONS

A. Actions to be taken in the future are described as below:

1. Environmental monitoring program as per detailed design.
2. Conduct capacity building on implementation of EMP and GRM to workers / contractor, onsite safety officer / PMU by environmental specialist (PMU /PMC) on site.
3. Verification of site-specific design parameters and review after completion of detailed design.
4. Review design of drainage system and layout of ASU.
5. Consent to Establishment for ASU Campus.
6. Follow up the outstanding issues and new issues and implementation of the IEE and EMP for next reporting period Jul-Dec 2022.

The next **semi-annual report of environmental monitoring** report due date will be Jan 2023.

ANNEXURE-1: LAND RECORDS CERTIFIED BY THE REVENUE DEPARTMENT OFFICIALS SHOWING GOA OWNERSHIP

Assam Schedule XXXVII Form No. 30

Chitha for Surveyed Villages / জৰীপ হোৱা গাঁৱৰ চিঠা

জিলা :দৰং	মহকুমা: মঙ্গলদৈ (সদৰ)	চক্ৰ:মঙ্গলদৈ
মৌজা:বঙামাটি	লাট-লাট নং ৬	গাওঁ চহৰ: গেৰিমাৰীচাপৰী

দাগ নং:	মাটিৰ শ্ৰেণী		কালি (বি.ক.লে)	পট্টাৰ নং আৰু প্ৰকাৰ	বাজহ(টকা)	সৃষ্টনীয় কৰ(টকা)
	কৃষি	অকৃষি				
১	২		৩	৪	৫	৬
২২/১৬৫১	বিশেষ ফৰিং		১০০-০-০	০ ,চৰকাৰী	০.০০	০.০০

পট্টাদাৰৰ নাম, পিতাৰ নাম আৰু ঠিকনা	নামজাৰী হবলগীয়া দখলদাৰৰ নাম, পিতাৰ নাম, ঠিকনা	বায়ত/ আধিয়াৰৰ নাম, পিতাৰ নাম, ঠিকনা	বায়তৰ প্ৰকাৰ/ খতিয়ন নং, খাজানা বা ফছলৰ বিৱিধ	তলতীয়া বায়তৰ নাম, পিতাৰ নাম, ঠিকনা	বছৰ	বেফছলী মাটিৰ কালি		ফছলী মাটিৰ কালি				ফলৰ গছৰ নাম আৰু সঙ্খ্যা	মন্তব্য
						মাটি কেনেদৰে ব্যৱহৃত	কালি (বি-ক-লে)	ক'ৰপৰা পানী পায়	ফছলৰ নাম	কালি (বি-ক-লে)	একাধিক ফছলী মাটিৰ কালি		
৭	৮	৯	১০	১১	১ম ২য় ৩য়	১২ ১৮ ২৪	১৩ ১৯ ২৫	১৪ ২০ ২৬	১৫ ২১ ২৭	১৬ ২২ ২৮	১৭ ২৩ ২৯	৩০	৩১
১)চৰকাৰী (অভিভাৱক চৰকাৰ) 100 B -0 K -0 L ঠিকনা ( )					2020 2019 2018								মণ্ডলৰ টোকা ()দৰং জিলাৰ উপায়ুক্ত মহোদয়ৰ 12-08-2020 তাৰিখৰ DRS/89/2017/155 নং চিঠি মৰ্মে ৎ অসম চৰকাৰৰ বাজহ ৎ দুৰ্যোগ প্ৰশমন বিভাগৰ উপ সচিব মহোদয়ৰ 05-08-2020 তাৰিখৰ RSS.53336/2018/104 আৰু 10-08-2020 তাৰিখৰ ECF No.53336/2018/107 নং ত্ৰুকুম মৰ্মে ৰঙামাটি মৌজাৰ গেৰিমাৰি চাপৰি গাৱৰ 22 নং ভিত্তি আৰ দাগৰ অংশ 100 বিঘা জমি ছিল চিটি ,দৰংৰ নামত সংৰক্ষণ মুক্ত কৰি পৃথক 1651 নং হিচাপে নথি সংশোধন কৰা হল।----জয়প্ৰকাশ দাস

Print this page | Close this window

GOVERNMENT OF ASSAM

OFFICE OF THE CIRCLE OFFICER: MANGALDAI REVENUE CIRCLE

MANGALDAI : DARRANG

No.MRC- 12/2018/9165 Dtd. 12/10/2020

Land Holding Certificate

This is to certify that a plot of land measuring 100 Bighas covered by Dag No.22 at village Gerimari Chapori under Rangamati Mouza under Mangaldai Revenue Circle is recorded in the name of Skill City, Darrang in pursuance of Govt. order ECF No.53336/2018/26 Dated Dispur, the 13th January,2020.

Schedule of the Land:

Dag No.	Mouza	Village	Area	Remarks
22	Rangamati	Gerimari Chapori	100 Bighas	Recorded in the name of Skill City, Darrang in the Field index.

Circle Officer,
Mangaldai Revenue Circle
Darrang, Mangaldai.

Circle Officer
Mangaldai Rev. Circle
Mangaldai

GOVT. OF ASSAM
OFFICE OF THE DEPUTY COMMISSIONER :: DARRANG :: MANGALDAI
(LAND SETTLEMENT BRANCH)

Tel : 03713 222135 :: Fax - 03713 222800, Email : dc-darrang@nic.in. Website : http: www. darrang.nic.in

187

No. DRS. 85/2017/187 Dated Mangaldai, the 6 th January, 2021

To,

The Mission Director,
Assam Skill Development Mission,
Katabari, NH-37, Guwahati-781035

Sub : Allotment of land in favour of Assam Skill University.

Sir,

With reference to the subject cited above and as per discussion held on 05.01.2021 in the office of the undersigned, I have the honour to inform you that in continuation to earlier allotment of 100 Bighas of land in favour of Assam Skill University vide Govt. letter No. 53336/2018/106 dated 31.07.2020, the Sub-Divisional Land Advisory Committee held on 11.12.2020 has recommended another 150 Bighas of land in favour of Assam Skill University adjacent to earlier allotment in the same village Gerimari consisting of Dag No. 28, 29, 30, 31, 32, 33, 34, 35, 36, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 201, 202, 203, 204, 205, 206, 207and 208 under Rangamati Mouza of Mangaldai Revenue Circle.

This is for favour of your information and necessary action.

Enclo : As stated above.

Yours faithfully,

Deputy Commissioner
Darrang, Mangaldai

ANNEXURE-2: PHOTOGRAPHS AND ATTENDANCE SHEETS OF CONSULTATIONS

A. Photographs of Consultations in November 2021 and February 2021

Discussion with Stakeholders at Site

Another View of Discussion with Locals at Site

Discussion with locals near Site

View of Stakeholder Consultations at Darrang Deputy Commissioner Office

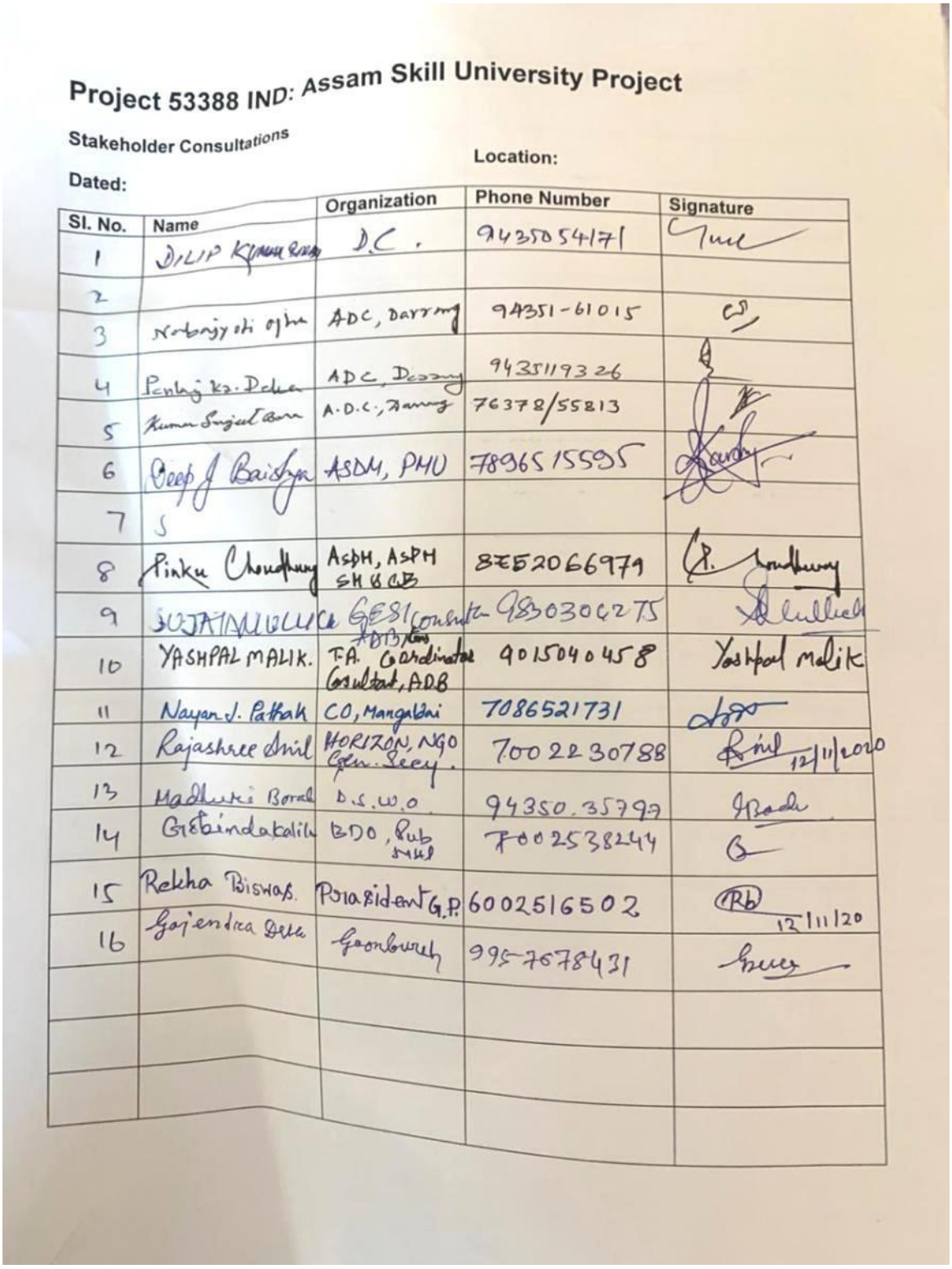
B. Photographs of Consultations (due diligence survey) in March 2022

Discussion with stakeholders at site

Environmental Specialist taking a note of Suggestions of stakeholders

Another View of Discussion

C. Attendance Sheets of Stakeholder Consultations



Project 53388 IND: Assam Skill University Project

Stakeholder Consultations

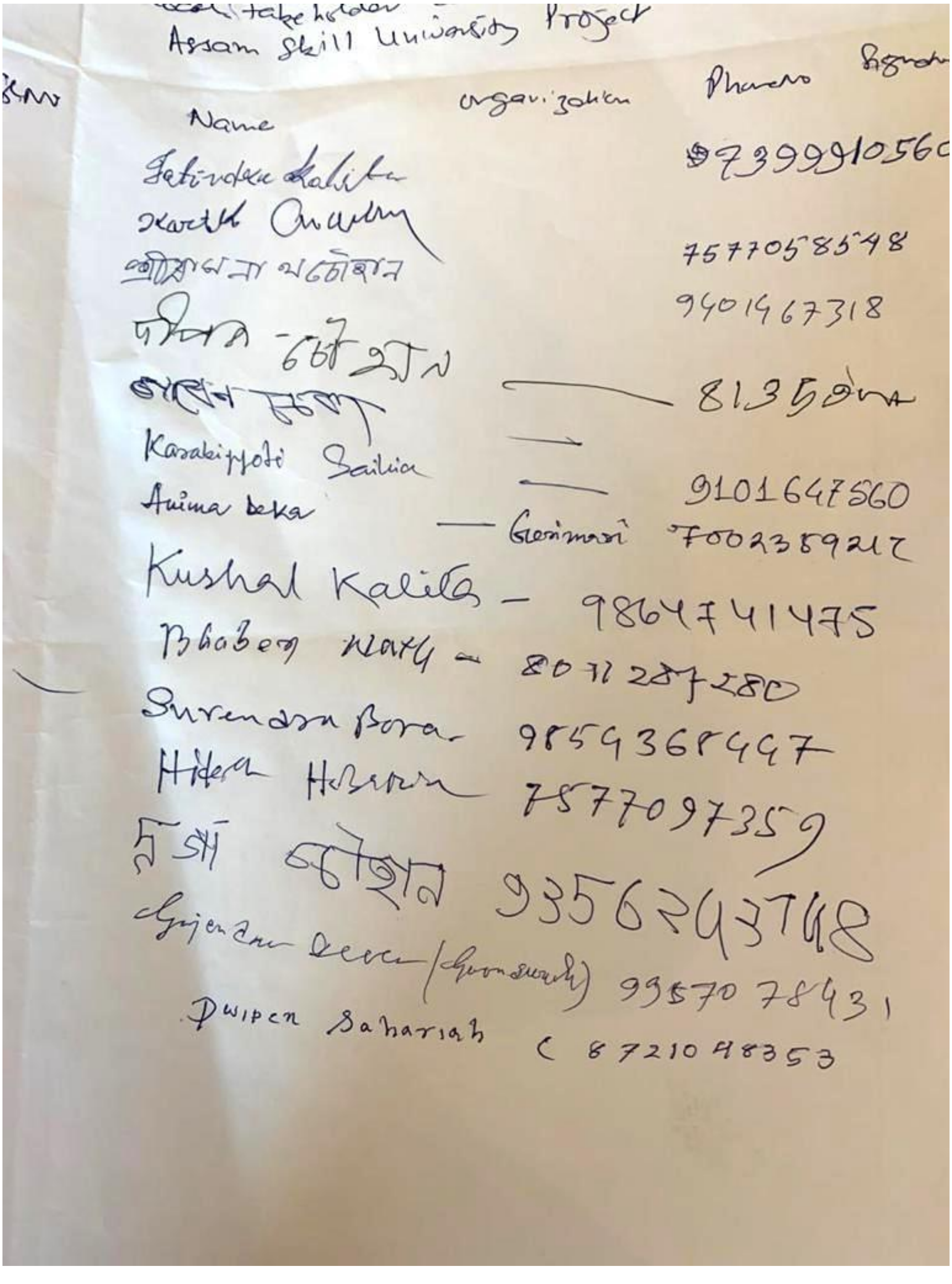
Location:

Dated:

Sl. No.	Name	Organization	Phone Number	Signature
1	Dilip Kumar Das	D.C.	9435054171	
2				
3	Nabajyoti Ojha	ADC, Darrang	94351-61015	
4	Pankaj Kr. Deka	ADC, Darrang	9435119326	
5	Kumar Sujit Barua	A.D.C., Darrang	76378/55813	
6	Deep J Baishya	ASDM, PHU	7896515595	
7	S			
8	Pinku Choudhury	ASDH, ASPH SH & CB	8E52066971	
9	SUJATA MULLICK	GESI Consultant ADB	9830062775	
10	YASHPAL MALIK.	T.A. Coordinator Consultant, ADB	9015040458	Yashpal Malik
11	Nayan J. Pathak	CO, Mangaldai	7086521731	
12	Rajashree Dutt	HORIZON, NGO Gen. Secy.	7002230788	12/11/2020
13	Madhuri Borah	D.S.W.O.	94350.35797	
14	Gobindakalita	BDO, Pub SMS	7002538244	
15	Rekha Biswas.	Pro President G.P.	6002516502	12/11/20
16	Gajendra Deka	Gaonburah	995-7678431	

ATTENDENCE SHEET FOR THE MEETING HELD ON 12.11.2020
CONFERENCE HALL OF DEPUTY COMMISSIONER : DARRANG AT 12 P.M

Sl. No.	Name	Designation	Mobile	Signature
	Kumar Sanjeet Oswal	A.D.C., Darrang	76378/55813	
	Pankaj Ku. Deka	ADC, Darrang	9435119326	
	Kabinjyoti Ojha	ADC, Darrang	94351-61015	
	Shreenivas Vaze	Environment Specialist - Consultant ADB	9811224458	
	N. Dhiraj Singha	SPM - SMLCB	7002017678	
	YASHPAL MALIK	TA COORDINATOR Consult - ADB.	9015040458	Yashpal malik
	Sujata Mullick	GESI Consultant ADB	9830304275	
	Pinku Chaudhury	ASPH - SMLCB ASDM	87520 66979	
	Dhrubajyoti Baishya	ASDP, PMU team	7896515595	
	Dipankar Barman	SPM - ASDM	9864099104	
	MRIDUL BORUAH	AE, PCBA, RLO, TEZPUR	9101421844	
	Gautranga Kr. Das	Dist. Labour officer	9435151181	12/11/2020
	Madhurie Bakali	District social	94350-35773	
	Gobinda Kalita	welfare officer BDO, Pub Mangaldai	7002536244	
	Rekha Biswas.	President G.P.	6002516502	
	Gajendra Sen	Gaonburah	9957078431	
	Rajashree Anil.	Gen Secy. HORIZON NGO.	7002230788	12/11/2020
	Nayan J. Pathak	CO, Mangaldai	7086521731	


...stakeholder ...
Assam Skill University Project

Sl.No | Name | Organization | Phone No | Signature

Jatindra Kalita 9739991056[illegible]
Kartik Choudhury
[illegible] 7577058548
[illegible] 9401467318
[illegible]
[illegible] — 8135[illegible]
Karabipjyoti Saikia —
Anima Deka — 9101647560
— Gorimari 7002359217
Kushal Kalita - 9864741475
Bhaben Nath - 8011287280
Surendra Bora 9854368447
Hiten Hazarika 7577097359
[illegible] 9356243748
Gajendra Deka (Guwahati) 9957078431
Dwipen Sahariah 8721048353

D.Attendance Sheets of Stakeholder Consultation(due diligence survey) in March 2022

Project 53388 IND: Assam Skill University Project

Stakeholder Consultations

Dated: 3/3/2022 **Location:** ASUP Site, GerimariChapori, Mangaldai

Sl. No.	Name	Organization	Phone Number	Signature
1	Gajendra Deka	Gaonburah	9957078431	Gaje
2	Deep Jyoti Baishya	ASDM	7896515595	
3	Babul Bordoloi	Mangaldai	9101677415	Bdoi
4	Karabijyoti Saikia	Mangaldai Bar association	9101647560	Karabijyoti Saikia
5	Bhawati Biswas	(A.P.M)	8473810594	Bhawati Biswas
6	Kalpana Deka	Local		Kalpana Deka
7	Rum chowdh	local	8822019782	Rum chowdh
8	Gefam Esha Hoque	local	6000407355	Gefam
9	EPSITA BARUA	SOCIAL WORKER	86380-98773	Epsita
10	Kabita Adhikari	Social worker	9864575450	KAdhi
11	Anamika Kalita	social worker	7002327278	AKalita
12	Jibanchandra Deka	Social Worker	8473861393	Jiban
13	Debendra Narayan Konwar	do	8403897875	
14	Minakul.	"	9365157153	M
15.	Kabita Saikia		9706529533	KS.
16.	Bhadra Saikia	Gerimari	6900378204	
17	Ronu Devi	Gerimari Anganwadi Kendra Pathargaon...	8638553243	Ronu Devi
18	D N Barua	RCPL/BIL LIKJ	9935235115	

Sl. No.	Name	Organization	Phone Number	Signature
19	Birraj Deka.	Dicomm.	6001273375	[signature]
	Bhupen Kalita	LM	8134913346	[signature]
20	Shoaib Ali Ahmed	BPL	9859924042	[signature]
21	Sanghita Dutta	ASUP	8876396955	S. Dutta
22	Himalay Sarma	ASUP	8800188753	[signature]
23	Rupam Ch Bora	ASUP	9864092761	[signature]
24	J. S. Lahoty	Dy Dir TCP	9859339420	[signature]
25	Buli Barua	J. E. T&C.P. Mld	7002436926	[signature]
26	Bharati Saharia	Tracer T&CP	9365622391	[signature]
27	Ratan Ch. Mandal.	J.E, T&CP.	9706062539	[signature]
28.	Anima Deka		7002359217	[signature]
29	Shreeniwas	9811224458 Environment & Dev	9811224458	[signature]
30	Nayan Pathak	CO, Mangaldoi	7086521731	[signature]

ANNEXURE-3: NO OBJECTIONS FROM FOREST AND WILDLIFE DIVISIONS OF STATE FOREST DEPARTMENT

GOVERNMENT OF ASSAM
OFFICE OF THE DIVISIONAL FOREST OFFICER
MANGALDAI WILDLIFE DIVISION, MANGALDAI

No. B/46/Misc/ 220 Dated: 08.02.2021

To,

The Mission Director
Assam Skill Development Mission

Sub: Establishment of Assam Skill University at Gerimari Chapori, Mangaldai, Darrang.

Ref: Your office letter No. ASDM-49/2017/482 dtd. 05.02.2021

Dear Sir,

With reference to the subject cited above, I would like to inform your goodself that, the proposed site of Assam Skill University at Gerimari Chapori Mangaldai Darrang, does not fall under proposed Eco Sensitive Zone of R G Orang National Park.

This is for your kind information.

Sincerely Yours,

(B V Sandeep, IFS)
Divisional Forest Officer
Mangaldai Wildlife Division

GOVERNMENT OF ASSAM
OFFICE OF THE DIVISIONAL FOREST OFFICER:: NORTH KAMRUP DIVISION :: RANGIA

Letter No. B/ 3119-20 Date : 25/2/2021

To

The Mission Director
Assam Skill Development Mission
Katabari, DPS Road, NH-37
Garesuk, Guwahati-35

Sub : Establishment of Assam Skill University at Gerimari Chapori, Mangaldai, Darrang.

Ref : Your letter no. ASDM-49/217/483, dt-05-02-2021.

Sir,

With reference to the subject & letter cited above, I am to inform you that as per report submitted by Beat Forest Officer, Mangaldai Beat, Mangaldai, it appears that the proposed site identified for establishment of Assam Skill University at Gerimari Chapori, Mangaldai, Darrang does not fall under any Reserve Forest / Proposed Reserve Forest of North Kamrup Division, Rangia.

Therefore, this Forest Division has not any objection for establishment of Assam Skill University at the proposed site.

This is for your information and necessary action.

Yours faithfully

Divisional Forest Officer
North Kamrup Division, Rangia

Copy to

1. The Beat Forest Officer, Mangaldai Beat, Mangaldai for information and necessary action.

Divisional Forest Officer
North Kamrup Division, Rangia

D:\General\Genl- 139 ::: Phone No. 03621-240571 ::: e-mail : dfo.t.northkamrup@gmail.com

GOVT. OF ASSAM
OFFICE OF THE DIVISIONAL FOREST OFFICER
MANGALDAI WILDLIFE DIVISION, MANGALDAI
P.O.- MANGALDAI, DIST- DARRANG (Pin-784125), ASSAM
email: dfo.mangaldoiwl@gmail.com

No. B/ 46/Misc/ 1844 Date: 22/03/2022

To,

The Mission Director,
Assam Skill Development Mission
5th Floor, Katabari, DPS Road,
Garchuk, Guwahati- 781035

Sub: **Establishment of Assam Skill University at Gerimari Chapori, Mangaldai.**

Ref: Your office letter No. ASDM/ASUP/12/2022/8 dated 10th March,2022.

Sir,

With reference to the subject cited above, I would like to inform you that the proposed site of Assam Skill University at Gerimari Chapori, Mangaldai, Darrang. The new survey area does not falls under proposed Eco Sensitive Zone of the Orang National Park & Tiger Reserve, Silbori.

This is for favour of your kind information and necessary action.

Yours faithfully,

(Pradipta Baruah, AFS)
Divisional Forest Officer
Mangaldai Wildlife Division

GOVT. OF ASSAM
OFFICE OF THE DIVISIONAL FOREST OFFICER :: NORTH KAMRUP DIVISION :: RANGIA

Letter No B/Genl/427-28 Date : 30-04-2022

To,

The Deputy Commissioner,
Darrang, Mangaldoi.

Sub:- Establishment of Assam Skill University at Gerimari Chapori, Mangaldoi.

Ref:- I. OSD, Assam Skill Development Mission, Garchuk, Guwahati-35 letter No. ASDM/ASUP/12/2022/7, dt-10.03.22
II. C.O. Mangaldoi Revenue Circle letter no. MRC.45/2021/521, dt-30.04.2022.
III. B.O. Mangaldoi Beat letter No. MB/30/Land/2022-23/24, dt-30.04.2022.

Sir,

With reference to the subject cited above, I have the honour to inform you that the proposed site of Assam Skill University at Gerimari Chapori, Mangaldoi, Darrang does not falls under notified Reserved Forest area as reported by the Circle Officer, Mangaldoi Revenue Circle, Mangaldoi & Forest Beat Officer, Mangaldoi Beat, Mangaldoi vide letter under references II & III(Copy enclosed).

This is for your kind information and necessary action.

Encl:-As stated above.

Yours faithfully
SUNNYDEO CHOUDHARY
Digitally signed by SUNNYDEO CHOUDHARY
Date: 2022.04.30 15:53:50 +05'30'
Divisional Forest Officer
North Kamrup Division, Rangia

Copy to the OSD, Assam Skill Development Mission, Garchuk, Guwahati-35 of his kind information.

SUNNYDEO CHOUDHARY
Digitally signed by SUNNYDEO CHOUDHARY
Date: 2022.04.30 15:57:49 +05'30'
Divisional Forest Officer
North Kamrup Division, Rangia

ANNEXURE-4: CAPACITY BUILDING ON ENVIRONMENTAL SAFEGUARD

TRAINING ON ENVIRONMENT AND SOCIAL SAFEGUARD

Date: 18th June 2022 Time: 10:00 am to 12:00 pm

Venue: ASDM Conference Hall, 5th Floor

Organized by: PMU-ASUP

Sl. No.	Name	Designation	Signature	Phone no.	Gender
1.	S. C. Das	VC- ASU			Male
2.	Ankur Jain	MD- ASDM CEO- ASUP	[signature]		Male
3.	H. Noorani	Registrar - ASU			Male
4.	Himalay Sarma	DPD- ASUP	[signature]	8800188753	Male
5.	J. Nath	Skill Manager - ASUP	[signature]	9854040850	Male
6.	Prayami Borthakur	Skill manager	[signature]		Female
7.	Ellora Saikia	Civil Eng.	[signature]	8826484567	Female
8.	Rohit Verma	Accountant	[signature]	9706125998	Male
9	Jayanta Chakraborty	Social Expert	[signature]	8761805667	Male
10	Kaustav Kakati	Env. Consultant	K. Kakati	9971289030	Male
11	Paran Gogoi	Procurement Manager	[signature]	8811093117	Male
12	Rupam Chetia Bora	Communication Manager	[signature]	9864092761	Male
13.	Sanghita Dutta	Environment Specialist	S. Dutta	8876396935	Female
14.	Mintu Sinha	Procurement manager	[signature]	9733895894	Male
15.	AMIT MAJUMDAR	PMC.	[signature]	9432581150	Male
16	SHASHI BHUSHAN	PMC	S. [signature]	8130591239	Male

TRAINING ON ENVIRONMENT AND SOCIAL SAFEGUARD

Date: 18th June 2022 Time: 10:00 am to 12:00 pm

Venue: ASDM Conference Hall, 5th Floor

Organized by: PMU-ASUP

Sl. No.	Name	Designation	Signature	Phone no.	Gender
17	Pinku Chaudhury	ASPM, SHG&CB ASDM	[signature]	+918752066979	Male
18	Karishma Gogoi	Gender and IP Specialist	Gogoi	7002361488	Female

ANNEXURE -5: Grievance Redressal Mechanism of ASUP

Azadi Ka Amrit Mahotsav

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

No. SKM.39/2021/28 Dated Dispur, the 16th December, 2021.

DPD - ASUP
Legal Advisor

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 35.

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

Ref : Letter No. ASDM/ASUP/2/2021/13 dtd. 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 16th December, 2021.

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

By order etc,

Sd/-

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

ANNEXURE A

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.

I. 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.

M. 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)

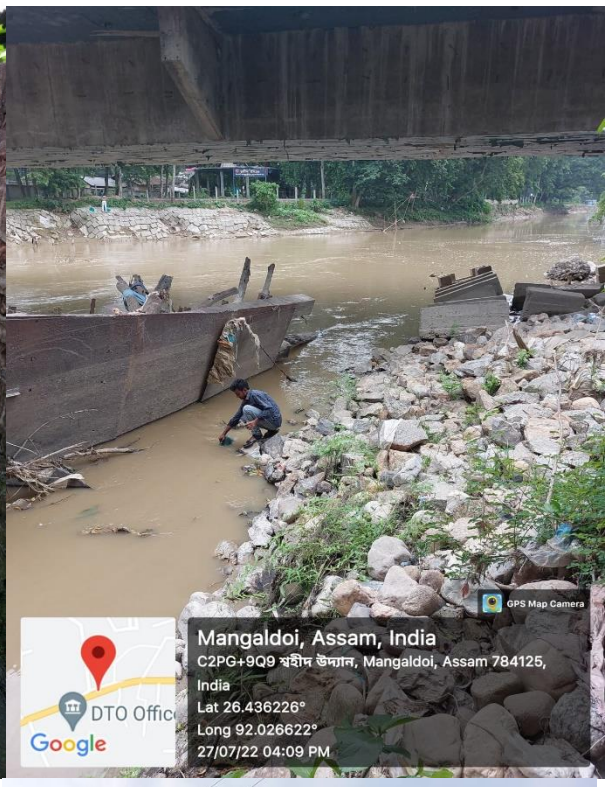
1. **Grievance Redressal Officer (GRO), Level 3:** Senior most Secretary, SEED, Govt. of Assam
2. **Mode of Complaints:** a) Escalation from GRO Level 2; b) Escalation of Complaint by Complainant dissatisfied with Level 2 Solution.
3. **Responsibility for Recording in the PMU Level Grievance Register**: 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 6: Baseline monitoring by State pollution Control Board



ANNEXURE :7 Baseline monitoring results.

pcba

POLLUTION CONTROL BOARD, ASSAM
BAMUNIMAIDAM, GUWAHATI-21

Report of continuous Noise Level monitoring carried out at the Project site of ASSAM SKILL UNIVERSITY, Bidyanagar, Mangaldoi, Assam- 784125.

Report No-AN A5 /2022 Dated: 24.08.22

Date of Monitoring	Time Duration	Sound Parameters in dB(A)						Remarks
		Leq	L_{10}	L_{50}	L_{90}	L_{min}	L_{max}	
27.07.2022	10 AM -11 AM	50.6	52.0	47.0	42.0	37.8	66.6	During day time
	11 AM - 12 NOON	56.1	59.3	50.1	44.5	41.2	70.9	
	12 PM - 1 PM	54.8	56.2	48.8	45.5	43.8	70.8	
	1 PM - 2 PM	50.7	54.5	43.5	42.5	40.2	67.3	
	2 PM -3 PM	55.8	56.5	55.5	54.0	53.5	68.8	
	3 PM - 4 PM	53.9	57.0	48.0	46.5	40.5	65.2	
	4 PM - 5 PM	50.1	51.5	48.8	47.8	37.7	71.5	
	5 PM - 6 PM	55.7	58.6	49.3	46.5	40.9	70.4	
	6 PM - 7 PM	49.5	47.5	46.8	45.3	37.8	62.4	
	7 PM – 8 PM	54.8	55.7	54.9	52.2	52.8	73.3	
	8 PM – 9 PM	50.5	53.8	48.5	44.8	40.5	74.2	
	9 PM -10 PM	47.1	47.0	46.0	45.5	43.9	66.1	
	10 PM -11 PM	42.2	40.5	45.2	40.5	34.5	65.4	During night time
	11 PM - 12 PM	41.5	43.3	39.5	36.8	35.3	62.4	
	12 PM - 1 AM	44.6	47.6	45.2	42.5	38.8	61.5	
	1 AM -2 AM	43.1	45.3	42.1	41.1	40.5	61.8	
	2 AM - 3 AM	44.2	49.8	44.5	40.7	38.3	53.2	
	3 AM - 4 AM	43.9	46.3	42.2	40.1	38.2	56.2	
	4 AM - 5 AM	44.3	48.2	43.2	40.3	38.7	55.1	
	5 AM - 6 AM	44.8	48.9	43.1	39.1	38.7	54.7	

Noise (Ambient Standards) in dB(A):

During day time (in between 6.00 AM & 10PM		During night time (in between 10.00 PM & 6.00 AM	
Industrial Zone	75	Industrial Zone	70
Commercial Zone	65	Commercial Zone	55
Residential Zone	55	Residential Zone	45
Silence Zone	50	Silence Zone	40

Addl. Chief Environmental Scientist
Central Laboratory

POLLUTION CONTROL BOARD, ASSAM
BAMUNIMAIDAM, GUWAHATI-21

Analysis Report of Ambient Air Quality monitoring sample collected from Proposed project site of ASSAM SKILL UNIVERSITY, Bidyanagar, Mangaldoi, Assam- 784125.

Report No.: AA – 67 /2022 **Dated:** 24.08.2022

Date of Monitoring	Place/Location	SO_2 ($\mu g/m^3$)	NO_2 ($\mu g/m^3$)	PM_{10} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	Weather	Remarks
27.07.22	North-East direction of proposed project site of ASU.	7	16	64	20	Cloudy/	
	South-East direction of proposed project site of ASU.	5	14	32	-		
	North- West direction of proposed project site of ASU.	6	15	54	-		

Standards for Ambient Air Quality in $\mu g/m^3$

Sl. No.	Pollutant	Time Weighted Average	Conc. In Ambient Air
			Industrial, Residential, Rural and Other Area
1	Sulphur Dioxide (SO_2)	24 Hours	80
2	Nitrogen Dioxide (NO_2)	24 Hours	80
3	Particulate Matter (Size<than10µm) or PM10	24 Hours	100
4	Particulate Matter (Size<than2.5µm) or PM2.5	24 Hours	60

24/08/22

Addl. Chief Environmental Scientist
Central Laboratory