

**GOVERNMENT OF THE PEOPLE'S REPUBLIC OF BANGLADESH**

**Ministry of Local Government, Rural Development and Cooperatives**

**Local Government Division**

**Local Government Engineering Department**



**Fourth Primary Education Development Program (PEDP4)**

**Semi-annual Environmental Monitoring Report-VII**

**(July-Dec., 2022)**

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## Abbreviations and Acronyms

<b>GPS</b>	Government Primary School
<b>EIA</b>	Environmental Impact Assessment
<b>DPE</b>	Directorate of Primary Education
<b>ECC</b>	Environmental Clearance Certificate
<b>EMP</b>	Environmental Management Plan
<b>EMF</b>	Environmental Management Framework
<b>GOB</b>	Government of Bangladesh
<b>SEMR</b>	Semi-annual Environmental Monitoring Report
<b>IEE</b>	Initial Environmental Examination
<b>LGED</b>	Local Government Engineering Department
<b>MoPME</b>	Ministry of Primary and Mass Education
<b>PEIMS</b>	Primary Education Infrastructure Management System
<b>PEDP4</b>	Fourth Primary Education Development Program
<b>SAE</b>	Sub-Assistant Engineer
<b>SE</b>	Superintending Engineer
<b>SMC</b>	School Management Committee
<b>UE</b>	Upazila Engineer
<b>WB</b>	The World Bank
<b>EU</b>	European Union
<b>JICA</b>	Japan International Cooperation Agency
<b>UNICEF</b>	United Nation International Children Emergency Fund
<b>BoQ</b>	Bill of Quantity
<b>ADB</b>	Asian Development Bank

### **Executive Summary:**

The PEDP4 has initiated its activities to provide quality, inclusive and equitable primary education which emphasizes appropriate infrastructure development and maintenance to ensure child friendly environment and its effective utilisation to achieve the desired goal. The purpose of Semi-annual Environmental Monitoring Report (SEMR) is to present the status of safeguard measures taken to mitigate the environmental impacts arisen due to construction of sub-projects under PEDP4. The Fourth Primary Education Development Program (PEDP4) is supporting quality, inclusive and equitable education in Bangladesh through enhancing of teaching-learning and providing additional physical facilities for schools and others intuitions of Directorate of Primary Education (DPE). The Ministry of Primary and Mass Education (MOPME) is responsible for executing the program. The Directorate of Primary Education (DPE) acts as the implementing agency. The Local Government Engineering Department (LGED) and the Department of Public Health Engineering (DPHE) is the partner implementing agencies for major maintenance works and need-based infrastructure development.

### **Cumulative status of the Sub-projects: (Table-1)**

Sl. No.	Type of Sub-project	No. of Sub-project (July-Dec., 2022)	Cumulative No. of Sub-project (July,2018-Dec, 2022)	Type of Sub-project	Does EMP cost included in BoQ	Work Status/ % of completion
1	Additional room construction of School	860	8040	Orange A	EMP cost is included in BoQ	Tendering and different stage of construction
2	Expansion and construction of DD Office	--	01	Orange A	EMP cost is included in BoQ	Do
3	Expansion and construction of DPEO Office	05	13	Orange A	EMP cost is included in BoQ	Do
4	Expansion of PTI	05	17	Orange A	EMP cost is included in BoQ	Do
	<b>Total</b>	<b>870</b>	<b>8071</b>			

The table presented above demonstrates the cumulative status of sub-projects on environmental management of PEDP4. The table indicates that LGED have taken total 870 sub-projects for expansion and construction of additional rooms including other institutional infrastructures such as PTI, DD and DPEO offices during the reporting period (July- Dec., 2022). This SEMR has been prepared based on 870 sub-projects consisting of 860 (98.85%) schools and 10 (1.149%) other institutional infrastructures.

The table presented above indicates that all the sub-projects are in category “Orange A” and cost of EMP implementation already included in BoQ. It can be seen from the screening result that most of the sub-projects are being extended vertically and located in existing premises. Therefore, concern for land use, earth work for foundation and top soil loss was minimal. In addition of that none of the sub-projects were located in any ecologically protected area and no possibility of negative impact on wetland was also observed. Furthermore, no loss of forest and agricultural land was also reported.

Furthermore, many positive impacts and environment enhancement are being generated due to sub-projects implementation. The local people are getting opportunities in construction activities resulting employment generation. It is likely that there will be employment generation during the operation phase of sub-projects. The sub-projects are fulfilling the demand of additional rooms of schools and other institutions. Monitoring the mitigation measures of environmental impacts are very important during sub-projects construction phase. Overall physical progress of PEDP4 development activities has not been achieved as planned in many cases during the reporting period (July-Dec.’2022) due to political instability, and price hike of essentialities and construction materials in the country. The compliance monitoring of the environmental safeguard issues during construction were conducted using a monitoring check list and observed substantially complied. It is noted that contractors and workers maintained health, sanitation, hygiene, and wearing apron, gumboot, helmet during the construction period of the sub-projects.

## **1. INTRODUCTION**

### **1.1. Background**

The Fourth Primary Education Development Program (PEDP4) is supporting quality, inclusive and equitable education in Bangladesh through enhancing of teaching-learning and providing additional physical facilities for schools and others intuitions of Directorate of Primary Education (DPE). The Fourth Primary Education Development Program (PEDP4) is financed by the Government of Bangladesh and five Development Partners (DPs) such as ADB, WB, JICA, EU & UNICEF. The PEDP4 interventions were designed to cover whole country including geographically challenged areas like hilly terrain, seismic, waterlogged *haor*, saline prone, drought prone, flood prone and coastal areas. The PEDP4 is supporting quality primary education through sustainable and appropriate infrastructure development, and maintenance to ensure child and environment friendly and its effective utilisation to achieve the desired goals. The Local Government Engineering Department (LGED) and the Department of Public Health Engineering (DPHE) is the partner implementing agency for need-based infrastructure development and major maintenance of the project. The Ministry of Primary and Mass Education (MOPME) is responsible for executing the program and the Directorate of Primary Education (DPE) is the implementing agency of PEDP4.

### **1.2. PEDP4 Objectives:**

Overall objective of the PEDP4 is to provide quality primary education for all children/students of the country from pre-primary up to grade 5 through an efficient, inclusive and equitable education system.

### **1.3. PEDP4 Component**

The PEDP4 has 3 components

- i. Quality education
- ii. Equitable Access and Inclusive Participation
- iii. Management, Governance and Financing.

### **1.4. Type of Sub-projects**

Types of subprojects considered under PEDP4 are as follows:

- (i) Need-based school infrastructure
- (ii) Primary education field office buildings including DPE HQ, DD Office, DPEO Office, UEO/TEO Office, Cox's Bazar Leadership Training Centre, PTIs & URCs
- (iii) Office buildings of other institute under MOPME and National Academy for Primary Education (NAPE)

**Table 2: Type of sub-projects and intervention under PEDP4**

Category	Interventions
1. Need Based School Infrastructure	<ul style="list-style-type: none"> <li>a. Additional classrooms ;</li> <li>b. Additional teacher rooms;</li> <li>c. Head Teacher rooms;</li> <li>d. Additional WASH Blocks;</li> <li>e. Safe water sources for drinking;</li> <li>f. Boundary wall;</li> <li>g. Playing items/accessories;</li> <li>i. Maintenance</li> </ul>
2. Primary Education Field Office buildings including DPE HQ, Cox's Bazar Leadership Training Centre, PTIs & URCs	<ul style="list-style-type: none"> <li>a. Construction and expansion of DPE HQ including a mosque;</li> <li>b. Vertical extension of DPE central warehouse,</li> <li>c. Expansion/new construction of DD offices;</li> <li>d. Expansion/new construction of DPEO offices;</li> <li>e. Construction and expansion of leadership training center at Cox's Bazar;</li> <li>f. Expansion/new construction UEO offices;</li> <li>g. Expansion/new construction of URCs;</li> <li>h. PTI infrastructure development.</li> </ul>
3. National academy for primary education (NAPE)	<ul style="list-style-type: none"> <li>a. Land development;</li> <li>b. Boundary wall &amp; gate;</li> <li>c. Trainees' dormitory building;</li> <li>d. Renovation of DG's quarter;</li> <li>e. A multi-storied officers' quarter;</li> <li>f. Guest house renovation;</li> <li>g. DTW &amp; Water Supply Lines;</li> <li>h. Internal roads, walkways and circular jogging track;</li> <li>i. Drainage system;</li> <li>j. Walkway</li> <li>k. Generator room</li> <li>l. Roof gardening</li> <li>m. Mini orchard in front of NAPE building</li> </ul>



## **1.5 Purpose of the Environmental Monitoring Report (EMR)**

The purpose of the Environmental Monitoring Report (EMR) is to present the status of safeguard measures to mitigate the environmental impacts arisen due to construction works of Sub-projects. The EMR is all about the implementation and monitoring the progress of EMP or environmental safeguard due diligence. More specifically, the EMR provides the updates on the progress of various environmental issues and safeguard measures of the Sub-projects.

## **2. Implication and compliance of the polices**

The relevant policies and legislations emphasize the importance of environmental consideration in the program planning and implementation to promote sustainable development. These provide the general guidelines to integrate environmental issues with different sectors of projects and programs. The ECR `97 (with amendments later) is the main legislation in Bangladesh. ECR `97 defined different sectors (industries and projects) as ‘Green’, ‘Orange-A’, ‘Orange-B’ and ‘Red’ categories, without considering the extent and types of interventions. Construction of multi-storied buildings is considered as the ‘Orange A’ and ‘Orange B’ category in ECR`97.

Though there is no fixed definition of a multi-storied high rise building. In practice, building more than 10 storied within Dhaka City (as per Building Construction Rules of RAJUK) and building more than 6-storied building outside Dhaka city is considered as ‘Orange B’ category. It is likely that the primary schools outside Dhaka city will not be more than 6- storied building and as such, no environmental clearance will be required. However, if new construction more than 6-storied building is considered such as the NAPE dormitory building, Initial Environmental Examination (IEE) and Environmental Management Plan (EMP) would be required to get the environmental clearance from the Department of Environment (DOE) as per ECR`97. In addition, the Environmental Management Framework (EMF) would need to be submitted to the Department of Environment (DOE) for their review and concurrence. The Bangladesh National Building Code (BNBC) and Bangladesh Labor Act (BLA) underscore certain measures to ensure proper safety and work environment as well as the compensation measures to the laborers. By national law, contractors must follow these safety provisions and compensation arrangements. The implementing agency must ensure that the appropriate occupational health and safety provisions by incorporating in the bidding documents and are being implemented by the contractors properly. Many primary schools in disaster prone areas are also used as cyclone/flood shelters for the community. If the school will be considered as shelter, the concerned District Committee should be consulted about its location and other information. The compliance of polices to be ensured in sub-project implementation so that neither the need based infrastructure at schools/institutions nor the environment is compromised through the program intervention.

### 3. Environmental Management Process of PEDP4

To avoid negative environmental impacts and enhance environmental outcomes of the activities implemented under individual “subprojects”, ADB’s Safeguard Policy Statement (2009) is triggered for PEDP4.

The Environmental Management Processes of PEDP4 are as follows:

- (i) Categorization of the sub-projects;
- (ii) Environmental Screening (Checklist) and preparation of EMP of the sub-projects;
- (iii) Initial Environmental Examination (IEE).

#### 3.1 Categorization of Sub-projects

In general, the environmental categorization identifies what level of environmental assessment is needed for the sub-projects under PEDP4. Considering the large numbers of the “sub-projects”, the PEDP4 proposes a flexible approach for the environmental documentation for different types of the sub-projects.

Table-3 provides a guideline for categorization of “sub-projects” that will determine the level of environmental assessment to be required for the PEDP4 sub-projects.

**Table-3: Categorization of Sub-projects**

NO.	Types/ Interventions of Sub-projects	Govt. Category	Environmental Documentation Required
1	Maintenance of school	Green	No environmental screening required as these subprojects are likely to have no negative environmental impacts.
2	Vertical and horizontal expansion for new classrooms / reconstruction of school and office buildings/water supply (tube wells (deep tube wells)/sanitary latrines/WASH Blocks facilities etc.	Orange A	Require environmental screening. EMP is required as these subprojects are likely to have minimal environmental impacts.
3	Construction of new school and Office buildings more than 6 storied (if any).	Orange B	Require an IEE as these subprojects are likely to have potential environmental impacts. Environmental clearance from DOE is required.

#### **4.0. The Sub-projects:**

##### **4.1. Sub-project description:**

Need-based Infrastructure Development has been incorporated in PEDP4 as Program component named Access and Participation to improve the quality of physical learning and working environment through the construction of additional classrooms, teachers' rooms, head teachers' rooms and other infrastructures. Under PEDP4, 40000 additional rooms for students & teachers and 10500 rooms for head teachers have been targeted for construction. Beside this, 8 Divisional Deputy Director(DD) office, 64 District Primary Education Office (DPEO), 365 Upazila Education Office (UEO), Thana Education Office(TEO), 285 Upazila Resource Centre ( URC), 67 Primary Training Institute (PTI) and Dormitory building of National Academy for Primary Education( NAPE) are also planned for expansion and construction under PEDP4 through LGED.

Need based additional class rooms are being constructed to reduce overcrowding in the class room of a school. These are basically of two types, vertical extension, horizontal extension and remaining are combination of both. The architectural plan of the vertical extension is determined considering the existing plan of a building following PEDP4 Planning Guideline. In such case, capacity assessments of the foundation of the existing buildings are assessed to find out the feasibility of a vertical extension. In case of horizontal extension, the placements of the new infrastructures are very important to maintain a good school environment considering land scarcity in a densely populated country like Bangladesh. It is noted that the schools are not only buildings but these are associated in many items such as a playground including playing devices which offer better learning opportunities. So it is highly recommended that the possibility of vertical extension should be explored at first so that, land can be made available for playground. Only if that seems to be unfeasible, a horizontal extension can be considered in this case.

##### **4.2. Scope of Semi-annual Environmental Monitoring Report (SEMR):**

In PEDP4, forty thousand additional rooms and ten thousand five hundred head teachers' rooms including other institutional infrastructures are planned for construction under need based infrastructure sub- component.

**Cumulative status of Sub-projects: (Table-4)**

Sl. No	Type of Sub-project	No. of Sub-project (July-Dec., 2022)	Cumulative No. of Sub-project (July,2018-Dec., 2022)	Type of Sub-project	Does EMP cost included in BoQ	Work Status/ % of completion
1	Additional room construction of School	860	8040	Orange A	EMP cost is included in BoQ	Tendering and different stage of construction
2	Expansion and construction of DD Office	--	01	Orange A	EMP cost is included in BoQ	Do
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	<b>Total</b>	<b>870</b>	<b>8071</b>			

The table presented above shows the cumulative status of sub-projects on environmental management of PEDP4. The table indicates that LGED had taken total 870 sub-projects for construction and expansion of additional rooms including other institutional infrastructures such as PTI, DD and DPEO offices during the reporting period (July'22-Dec.'22). This SEMR has been prepared based on 870 sub-projects consisting of 860 (98.85%) schools and 10 (1.149%) other institutional infrastructures. Additionally, the above table presents that all the sub-projects are in category "Orange A" and cost of EMP implementation already included in BoQ and mostly are at tendering, implementing, and different stages of construction.

## **5.0 Environmental Screening of Sub-projects:**

### **5.1. Methodology for assessing environmental impacts:**

The following methodology has been followed for assessing the environmental impacts of the sub-projects". The District & Upazila Offices of LGED are responsible for inspection and reviewing the existing facilities to fill up the screening format along with preparation of environment management plan (EMP) and its implementation. In particular, the Upazila Sub-Assistant Engineer or Upazila Assistant Engineer/ Assistant Engineer conducted the screening process for preparation sub-project specific EMP. The

District Executive Engineer/Upazila Engineer reviewed the screening report and EMP through field visit. In addition of that, District Executive Engineer/Upazila Engineer is also responsible for supervision and monitoring of environmental mitigation activities at district/upazila level during construction phase. Additionally, the engineers working at regional and divisional offices of LGED are responsible to monitor the environmental mitigation or enhancement measures during construction phase. Furthermore, the engineers /officers of Primary Education Infrastructure Management Unit (PEIMU) of LGED HQ will also monitor and supervise the environmental mitigation measures at field level. Moreover, Environmental Specialist working at PEIMU is providing assistance in the field of capacity enhancement processes and also providing support in implementing the environmental and social safeguard frameworks of PEDP4.

## **5.2. Sub-projects screened:**

A total 870 sub-projects were screened for construction and expansion of additional rooms including other institutional infrastructures during the current reporting period. The sub-projects include 860 schools and 10 institutional infrastructures such as PTI, and DPEO offices etc.

### **5.2.1 Sub-projects screened for Schools:**

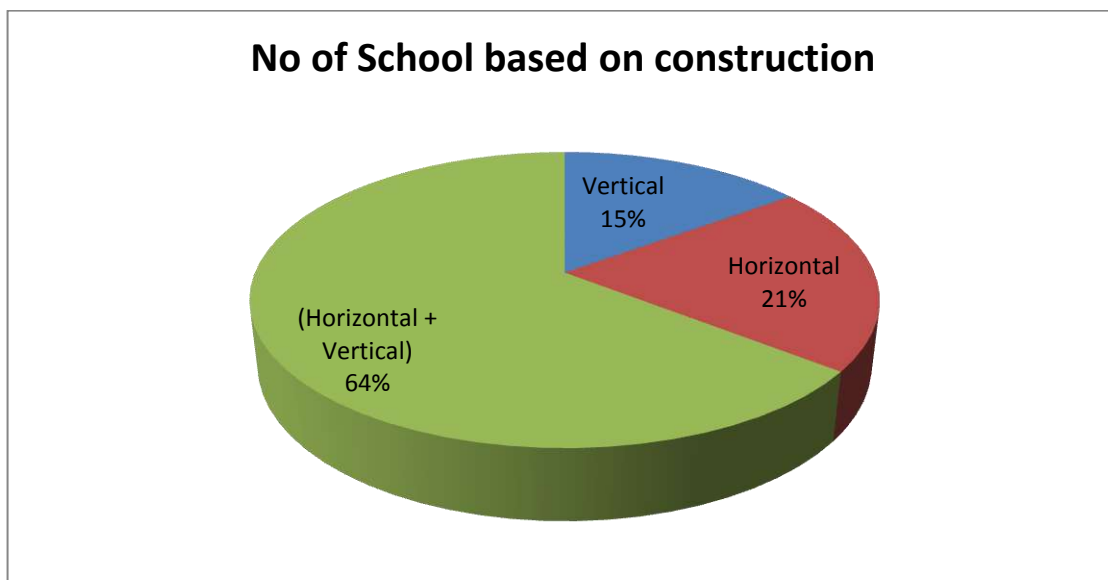
Here, in the table: 5, presented below a cumulative total 8040 schools were screened for construction of 33708 additional rooms during the reporting period (July, 2018-Dec., 2022).

**A) Type of School (Cumulative) based on construction :**

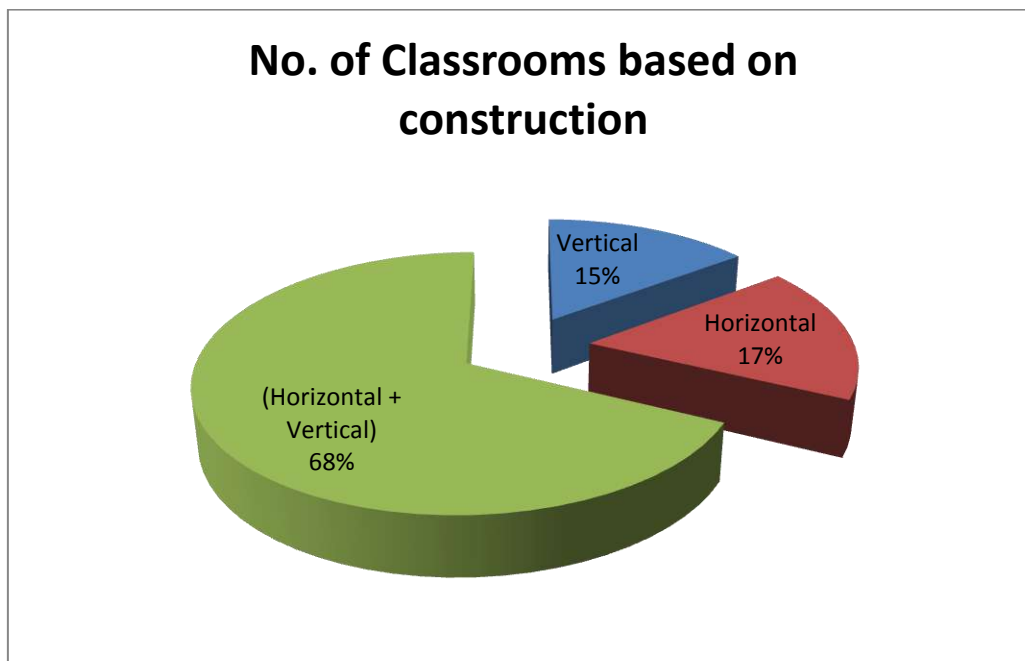
**Table-5: Type of School (Cumulative) based on construction**

<b>Sl.No.</b>	<b>School Type based on construction</b>	<b>No. of School (July, 2018-Dec., 2022) (No of Room)</b>
1.	Vertical	1203 (4997)
2.	Horizontal	1653 (5194)
3.	(Horizontal + Vertical)	5184 (23517)
	Total	8040 (33708)

**Fig: 1 Type of School (Cumulative) based on school construction**



**Fig: 2 Type of Classrooms (Cumulative) based on construction**



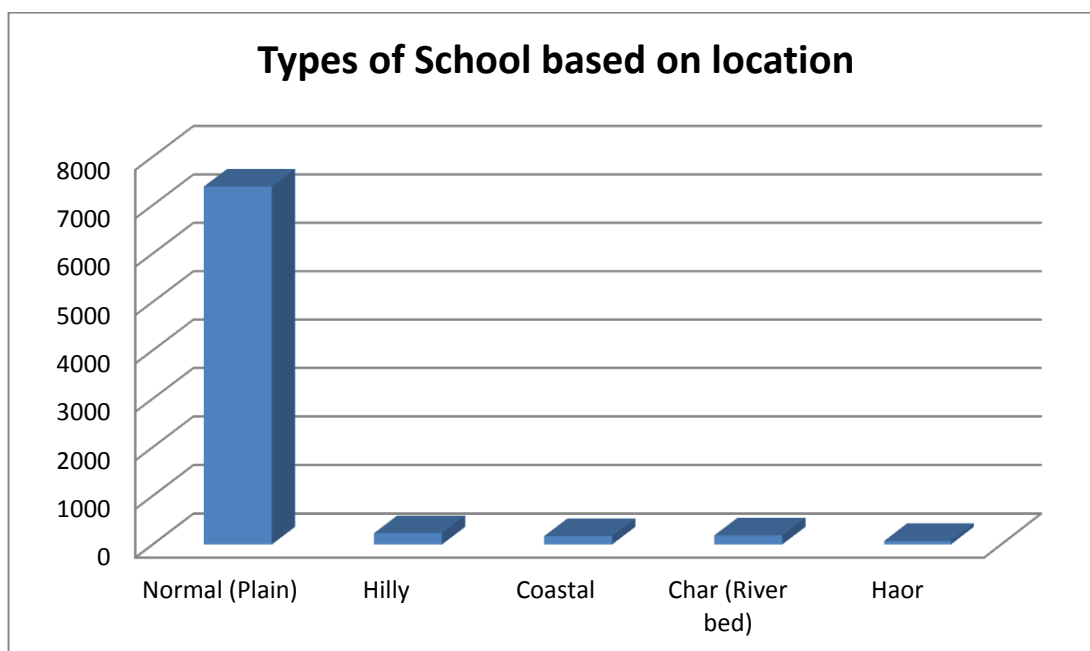
**B) Type of School (Cumulative) based on location:**

The table presented below shows that 8040 schools having 7384 in plain , 231 in Hilly , 170 in Coastal belt , 69 in Haor and remain 186 in Char area were screened at the end of the reporting period (July, 2018 –Dec.,2022). Overall, the number of schools in plain area was 98.85 % of total schools screened.

**Table-6 Type of School (Cumulative) based on location**

Sl.No .	School Type based on location	No. of School (July,2018 – Dec., 2022) No (School)
1	Normal (Plain)	7384
2	Hilly	231
3	Coastal	170
4	Char (River bed)	186
5	Haor	69
<b>Total</b>		<b>8040</b>

**Fig-3: Type of School (Cumulative) based on location:**

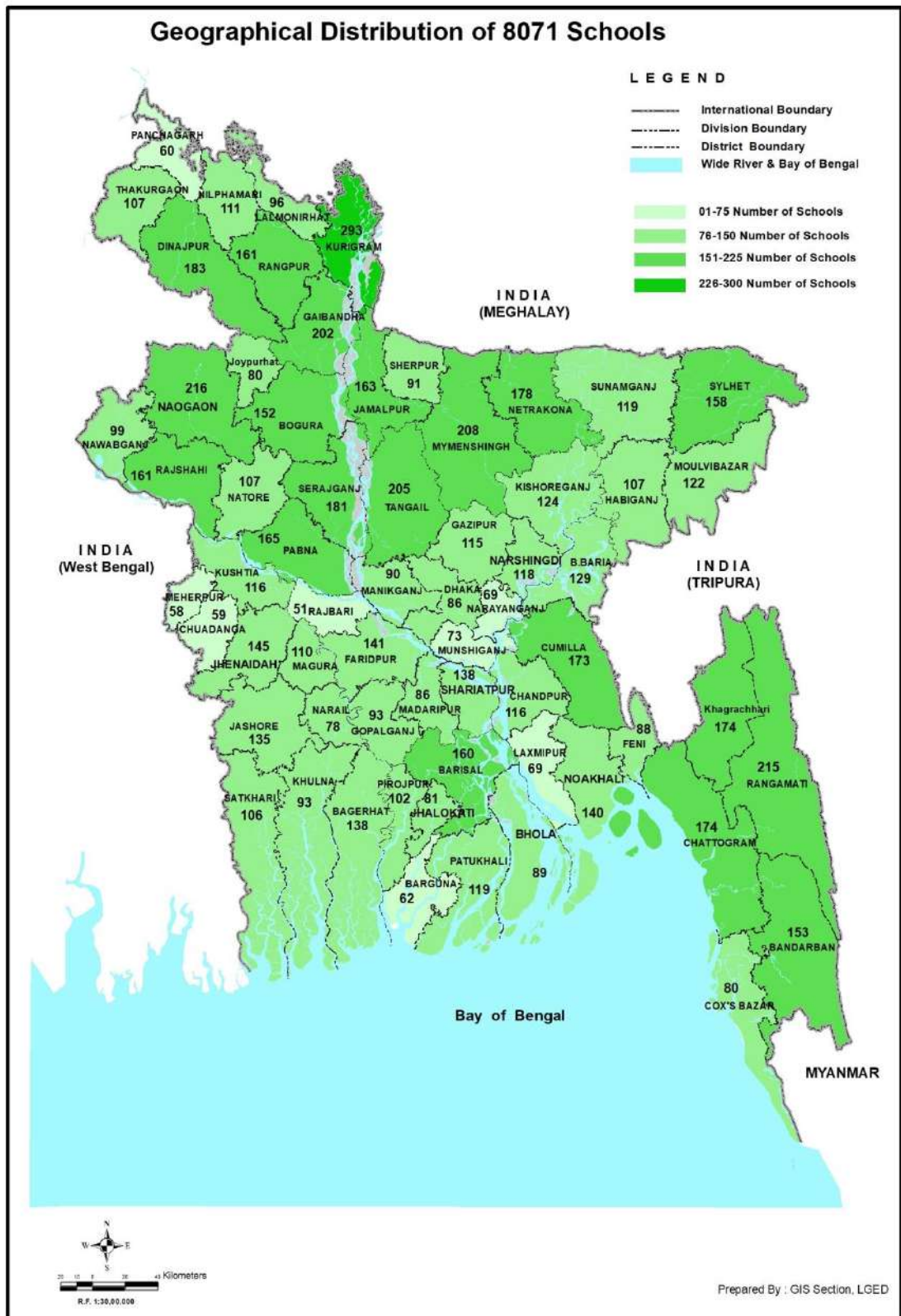


**C) Geographical distribution of School:**

The district wise geographical distribution of 8071 schools undertaken for construction is presented in a map given below:



# Geographical Distribution of 8071 Schools



## **6.0 Environmental Management Plan (EMP):**

Environmental Management Plan (EMP) is an important tool to assess the environmental degradation of PEDP. Environmental impacts are prominently visible in the construction phase of school building and other construction phase. At this stage appropriate mitigation measures are being taken to reduce the adversely environmental impact. In the context of a sub-project, Environmental Management Plan is concerned with the implementation of the measures necessary to minimize or offset adverse impacts and to enhance beneficial impacts. Unless the mitigation and benefit enhancement measures identified in the Site Specified Initial Environmental Examination (SSIEE) are fully implemented, the prime function of SSIEE cannot be achieved. Thus the objectives of the EMP for the present project would be:

- (i) Mitigation measures to reduce or eliminate negative impacts
- (ii) Enhancement measures to maximize positive impacts
- (iii) Monitoring the identified indicators.

## **6.1 Existing Impacts on Environment:**

A substantial number of sub-projects are being extended vertically over existing structure. Therefore, concern for land use and top soil loss is minimal and it is likely that the environmental concern is also minimal. However, in case of horizontal extension proper care is taken to maximize the benefit of use of this scarce land specially to maintain the good physical environment of campus. Moreover, it is appeared from the screening report that none of the sub-projects are located in any ecologically protected area and no possibility of negative impact on wetland was also observed. Similarly, no loss of agricultural land was also reported.

### **The others existing impacts are elaborated in the underline:**

**Occupational Health and Safety:** Construction activities may pose health and safety risks to the construction workers and nearby residents leading to severe injuries and deaths in extreme cases or a major accident. A lack of first aid facilities and health care facilities in the immediate vicinity would aggravate the health conditions of the victims. Lack of water and sanitation facilities at construction sites inconveniences construction workers and affect their personal hygiene. Therefore, adequate safe drinking water and hygienic sanitation facilities were provided by the concerned contractors. In addition to, First aid box equipped with antiseptic liquid, savlon, oral saline, cotton and sanitizer items etc. were kept at the work site. Similarly, Personal Protective Equipment (PPE) such as apron, gumboot, face mask, helmet, ear plug and hand gloves etc. were provided and used during construction.

**Location of the sub-projects:** All the sub-projects i.e. schools are located within the existing school campus and no negative impact due to sub-projects location on the existing environment was observed.

**WASH block and Water Pollution:** Water pollution is an important factor both construction and operational phase. During construction water is polluted highly and gathers at the construction site. In the operational phase toilet and wash room are often used by the students and teachers those pollute water highly. Moreover water logging in the school premises may be breeding ground of mosquitoes and other insects. In mitigating the water pollution, construction equipment should not be washed in the water bodies.

**Air Pollution:** Normally, air quality is generally affected by dust generation from construction sites. Dust generates from material stockpiles and access roads. Such pollution is also a function of weather conditions, in dry season nuisance is more; during rainy season, dust nuisance reduces. Mitigation measures were taken to cover the construction materials (sand and aggregates etc.) properly and sprinkling of water over material stockpiles as and when required.

**Noise Pollution:** Noise pollution is normally due to some construction-related activities, operation of equipment and generators. Noise will impact project workers, nearby residents and wildlife (specially birds, snakes etc.). Mitigation measures were taken to cast the major items such as foundation and slabs during week end and earplug are being provided to workers where required.

**Loss of Top Soils:** Lower school premises always need earth filling up. More often than not contractor collect soil from nearby agricultural fields. Top soil contains mineral and organic matter. Contractors are advised to collect earth filling soil from non-agricultural field for the schools of PEDP.

**Disruption of Biodiversity and Ecosystem:** Biodiversity and Ecosystem might be hampered for the construction work of newly established schools. For earth cutting worm and insect's loss their habitats and their ecology may be damaged. Birds and insects loss their habitats for cutting trees in the place where school will be established. So, PEDP considered the issues of biodiversity and ecosystem when new school established in the project area. Contractors of PEDP were advised to establish new schools where trees were thin or in the place where no trees existed at all.

**Employment Generation/Income:** During construction, a considerable numbers of workers (both male & female) are being engaged required for the construction works. Conflict between male & female may be arisen if women workers are deprived. Proper wages to be ensure for construction workers, particularly for women labors.

**Arsenic and Other Parameters:** The major environmental concern for the installation of new tube-well is to ensure safe drinking water provision to the users. All these water parameters should be tested at least once a year and based on the result, proper action should be taken.

## **6.2. Mitigation/Benefit Enhancement Measures:**

The mitigation and benefit enhancement measures have been taken at the sub-projects level which is presented underline considering environmental issues of the sub-projects:

**Table-7: Mitigation/ benefit enhancement measures have been done**

<b>Environmental Issues/Impacts</b>	<b>Mitigation/Enhancement Measures</b>
Wash Block	Wash block were provided for the workers, teachers and students. Toilets for male and female students were separated.
Tree Plantation	Trees were planted in proper place around the boundary of school campus. Indigenous plants were got priority for plantation.
Drainage congestion	Adequate drainage facilities have been provided in campus and construction camp for minimizing water logging.
Waste management	Wastes collection bins have been provided for organic wastes in one bin & inorganic wastes in another bin at the source and dumped properly
Dust pollution	Dust controlled by covering construction materials and spraying water manually have been done where dust blows as and when required.
Noise pollution	Construction activities have been carried out in day time. Casting of major parts such as slab and foundation were done during weekend.
Employment generation/ income	Local poor and affected persons were engaged in sub-project works and contractors were encouraged to engage women workers. Also contractors are encouraged to pay proper wage to workers. In the hilly area indigenous people were got priority to engage construction works.
Occupational Health Safety(OHS)	Project workers were provided PPE, First Aid Box, face mask, quality drinking water, hygienic toilets and WASH facility.
Worker accident	Warning signs have been set up and helmet, apron and gumboots provided for the workers. Necessary medicines are kept in the aid box.
Environmental risks	Standard planning and designs were ensured by LGED.
Location and disruption of earth surface	Disruptions of earth surface have been kept minimal for smooth implementation of work at construction site.

### **Additional Mitigation Measures:**

The following mitigation measures were taken care against the environmental concerns during the construction phase. These are:

- a. In case of demolition of any existing building, great care was taken to avoid any accident. All precautions in this regard are taken by the sub-project proponent
- b. Temporary accommodation for the work forces near the site area with adequate provision of water supply for drinking, bathing and washing purposes were ensured
- c. Sufficient latrines were constructed so as not to pose a health hazard
- d. Safety goggles of accepted standard were used who are engaged in drilling, cutting, welding and all such other works which cause hazard to the eyes
- e. Helmets were worn by the workmen and other personnel during work
- f. Toxic materials were barred in the construction such as lead based paints, asbestos etc.
- g. Building materials those potentially threaten the environment were discouraged
- h. Fencing was provided around the construction site
- i. Traffic congestion was minimized by adopting proper planning. Timing schedule for arrival of construction materials adjusted so that interruption with the public utility services is minimal
- j. Undesirable noise was avoided by confining the source of noises. The *khoa* breaking machine should be avoided and manual breaking was adopted. Nevertheless such machine was not allowed to operate at night
- k. Dust and particulate materials causing nuisances to surrounding areas were kept minimal by careful handling of cement and breaking *khoa* by labor instead of the *khoa* breaking machine

Moreover, to avoid any accidental risk proper precaution measures were taken up. Medical First Aid Boxes were kept at the site for any injury and transports were made instantly available to take the patient to the hospital in case of major accidents.

## **7.0 Positive impact/environment enhancement**

### **7.1. Positive impact:**

During construction phase a substantial number of employments have been generated and similarly a good number of employments will be generated during the operation phase of sub-projects under implementation. The sub-projects are also meeting the demand of additional rooms of the respective institutions.

### **7.2. Benefit Enhancement Measures to be taken:**

Although the sub-project proponent deserves the right to employ the best workers, the local people are getting preference in such cases which would generate opportunities for

employment of the local people. Women have been employed in construction works of the sub- projects of school and other infrastructural development under PEDP4.

**7.3. Site/Project Alternatives:**

Site Alternatives are required when the proposed site vulnerable to river erosion, coastal erosion and erosion in the Haor region due natural calamities. In those cases, consultation among SMC, community leader, Key Informant, DPHE, DPE officials and LGED engineer regarding the sub-project site shifting have been carried-out.

**8.0 Response on COVID- 19:**

The whole reporting period (July.-Dec.'2022) went through pandemic situation of Covid-19. Though the situation was not favorable for running the activities of construction of school building, but construction work went on regular basis with quality. LGED directed all concerned to take proper measures to prevent the pandemic and contractors workers were advised to maintain proper health hygiene by wearing face mask, hand washing and maintaining physical distances at the work sites

The following preventive measures were taken during the reporting period to protect the pandemic situation of covid-19:

**Physical Distancing:**

Physical distancing is also one of the main causes to transmit covid-19. If men contact with others corona virus may transmit. From the point of view construction workers and supervisors have been maintaining physical distances.

**Respiratory hygiene:**

Corona virus may transmit through respiration and it is one of the main causes to spread covid-19. As a protection measure construction workers used face musk supplied from contractors when they were in construction works of school building and other institutions.

**Hand Hygiene:**

Men use hand when they work something or anything, and hands are often used to grab or touch other organ of human body. Even to eat something men use their hands. So, to disinfect the hands contractors supplied hand sanitizer for construction workers and supervisors. Construction workers and supervisors are washing their hand with soap before starting any works or eating something.

**Covid-19 Awareness & Risk Management:**

Contractors were instructed to aware the construction workers on Covid-19 risks and aware the workers to get rid of it. LGED supervising staffs are providing awareness briefing on Covid-19 crisis and safety measures to contractors supervising staff and workers during the inspection the sub-projects works.

**Regular Environmental Cleaning:**

To remove dirt, debris from used materials regular environmental cleaning was done at the regular basis in the construction sites. Disinfectants were used in indoor workplaces in the daily basis. In outdoor workplaces disinfectants were sprayed at the regular basis.

**9.0 Grievance Redress Mechanism (GRM)**

The Grievance Redress Mechanism (GRM) promotes social accountability and facilitating the programme/project to be responsive to its beneficiary communities and/or stakeholders. It is noted that PEDP4 has no provision for land acquisition; subject to availability of existing land, additional classrooms and other infrastructures are being built. Hence, issue of resettlement does not arise under PEDP4. It can be mentioned also that LGED starts its activities after receiving approved list of schools for construction of additional rooms from MoPME through DPE. Having list in hand, LGED checks land documents to verify on spot and avoid land related problems at the master plan preparation stage. Moreover, PEDP4 requires preparing a master plan for each such-project schools and institutions through a Master Plan Preparation Committee (MPPC) which is formed of headmaster of the school, SMC representative, representatives from the stakeholders such as Public Health Engineering and DPE, local representatives (UP members male and/female) and members of existing and neighbouring community. These members of the committee participate in survey and site selection for each new building construction. Also stakeholders are sought for their presence during layout of the new building. In hilly areas where ethnic minority resides, they become part of the MPPC committee and deal with traditional conflict and resolution if the need arises. Local community consultation ensures that their interests are secured.

During the reporting period, LGED received only 49 general complains. Among them 39 complains are solved with the intervention of field level officials and SMC. And 10 complains are under investigation. Grave complain are lodged for two schools. One of them are solved in the field level, another is in investigation level. LGED already instructed the concerned Upazila Engineers to take proper measures and report accordingly. Other than, LGED scans the daily newspapers regularly through a team, if any adverse news publishes related to the PEDP4; LGED starts inquiry and takes onward action based on the inquiry report. In addition to these, 06 complains are found from the daily newspapers, these are under investigation. LGED does not use any specified form for this purposes.

**Table-8 Grievance Redress Mechanism (GRM)**

<b>Complaint or Affected person</b>	<b>Location and Date of Complaint</b>	<b>Description of Grievance complaint</b>	<b>Timeline</b>	<b>Complaint status</b>	<b>Time-bound Corrective Actions taken by PMU</b>
SE(R)	Fulbari, Kurigram	03 Building construction –	05.10.2022	Complain not proved	Complain dismissed

	20.09.2022	bribe complain			
SE(R)	Zianagar, Pirajpur 26.09.2022	07 Building construction	06.10.2022	Corrective measure had been taken	Satisfied
UEO	Vanga, Faridpur, 29.09.2022	01 Used low quality materials	17.10.2022	Problem solved by UE, SAE and contractor	Complain dismissed
SrAE	29.09.2022	Signature duplicate	12.10.2022	Inquiry team formed	Under investigati on
SE(R)	Nesarabad, Pirojpur 22.09.2022	Building construction	20.10.2022	Rectified	Complain dismissed
Cotractor	Vanga, Faridpur 07.08.2022	Tender irregularities	17.08.2022	Complained proved	Under investigati on
Local people	Vedorgonj, Sariatpur 05.06.2022	Bill and 100 percent security paid without completing the work	20.06.2022	Complained proved	UE and SAE are working
Local people	Vedorgonj, Sariatpur 05.06.2022	Bill and 100 percent security paid without completing the work	20.06.2022	Complained proved	UE and SAE are working
Local people	Vedorgonj, Sariatpur 05.06.2022	Bill and 100 percent security paid without completing the work	20.06.2022	Complained proved	UE and SAE are working
Local people	Vedorgonj, Sariatpur 05.06.2022	Bill and 100 percent security paid without completing the work	20.06.2022	Complained proved	UE and SAE are working
Local people	Naria, Faridpur 13.07.2022	Building construction was going without sand pilling	31.07.2022	Complained proved	UE and SAE are working
Contractor	Naria, Faridpur 30.11.2022	Tender irregularities	12.12.2022	Complained not proved	
Local people	Satkhira Sadar, Satkhira 27.09.2022	Building construction	16.10.2022	Complained proved	Inquiry team has been formed



## 10.0 Environmental Monitoring

### 10.1 Construction phase Monitoring

During the construction phase, environmental monitoring of small scale constructions of the additional class rooms and other infrastructure is very important to identify the site specific potential environmental impacts and its mitigation and enhancement measures in the proposed existing school. In general, the following indicators and the related mitigation measures were monitored during construction stage: (i) Sanitary toilets and pure drinking water both for male and female workers; (ii) First aid box and safety of workers; (iii) stacking of materials at safe place, (iv) surface water pollution; (v) dust and noise pollution; (vi) child labor, (vii) engagement of local people; (viii) drainage network, (ix) cutting of trees etc.

A web-based Primary Education Infrastructure Management System (PEIMS) of PEDP4 has been developed to record the environmental mitigation measures and monitoring data along with the infrastructure development management information. The construction phase monitoring was conducted using a check list and a result of monitoring of 4323 schools is presented below. It is observed that most of the parameters were followed and complied substantially but till the reporting period some of the Upazila Engineers did not fill the check list and uploaded in the PEIMS software. Therefore, LGED has already instructed the concerned Upazila Engineers to fill up the check list properly and uploaded in the PEIMS software without flop and also UEs are asked to take appropriate measures so that contractors should comply the environmental safeguard issues properly who are still lagged behind.

**Table 9: Result of construction phase monitoring**

Sl. No.	Categories of potential environmental issues	Followed (PEIMS monitoring software and physical verification)	Not followed	Remarks/ Possible mitigation measures
1.	The contractor will erect sufficient number of temporary sanitary toilets and shelter both for male and female workers at the site with proper sanitation system.	4158	165	Upazila Engineers (UEs) have been instructed to erect required sanitary toilets at work site through concerned contractors and fill up the monitoring check list in due course.
2.	The contractor will ensure supply of pure drinking water to the workers during the time of construction.	4186	137	In many cases water are collected from nearby sources by the contractors for construction work. UEs have been asked to install tube well.
3.	The contractor will keep a first aid box	4219	104	Upazila Engineers have been

Sl. No.	Categories of potential environmental issues	Followed (PEIMS monitoring software and physical verification)	Not followed	Remarks/ Possible mitigation measures
	at the site for any accident.			asked to ensure keeping the first aid box at the work sites immediately.
4.	The contractor will take necessary precaution for the safety of his workers and also for the safety of the pedestrians.	4175	148	UEs have been instructed to take proper action immediately
5.	The contractor will stack materials systematically in a safe place so that pedestrians do not fall in troubles/ accident and do not occupy any classroom.	4119	204	UEs have been asked to take measures for stacking materials properly.
6.	The contractor will not engage any child labor in the work.	4323	-	UEs have been instructed to take appropriate measures not to engage child labor
7.	The contractor will not pollute any nearby source of surface water by any of their activities.	4117	206	UEs have been instructed to take proper action through contractor not to pollute surface water.
8.	The contractor will try to minimize sound pollution. If such sound producing activity becomes unavoidable, it should be matched with the local condition so that the adverse impact can be kept minimal.	4102	221	UEs have been advised to cast the major items in the weekend.
9.	The contractor will not hamper the drainage network of the area by any of their activity.	4128	195	UEs have been asked to take proper measure to solve drainage congestion if any without fail.
10.	The contractor will not cut or damage any tree in and around the project area without the permission of the supervising authority.	4114	209	UEs have been instructed not to cut tree without observing existing rules and procedures.

## 11. LGED's Program Implementation, Supervision and Monitoring

### 11.1. Implementation, Supervision & Monitoring

11.1.1 Regular supervision, monitoring and quality control of civil works is carried out by the Upazila and district level technical staff mainly Upazila Engineer, Upazila Assistant Engineer, Sub Assistant Engineer from Upazila and Senior Assistant Engineer from the

district. Systematic supervision and monitoring is also done by the LGED Executive Engineers of the districts, 20 (twenty) Executive Engineers and Superintending Engineers (Region). Furthermore, 8 (eight) Additional Chief Engineers (Division) along with other official also provide support to field officials for smooth implementation of program activities.

11.1.2 In addition to, 20 (twenty) Inspection Teams are formed at the HQ headed by one Senior Engineer. In addition to their primary duties, these teams inspect PEDP4 activities at the field level and report with observations and recommendations to Chief Engineer.

11.1.3 Moreover, close monitoring is being carried out by the PEIMU and the Monitoring Unit of LGED. These Units have officials specifically designated with the particular task of monitoring news reports published in the National dailies and put forward their reports before the authority for taking necessary actions.

## **11.2 Programme Implementation Monitoring Software**

Primary Education Infrastructure Management Unit (PEIMU) is currently using a web-based (database) system called PEIMS for monitoring and reporting on Programme activities. This is handy and accessible by the field staff for data entry and update on progress and status of Programme activities.

## **12. Consultation Meeting:**

The first consultation meeting of each sub-project is being held during the preparation of master plan (a kind of site plan) which is mandatory for each sub-project. Master Plan Preparation Committee (MPPC) is responsible to prepare the plan at the field in line with the Plan and Planning Guidelines of PEDP4. For ensuring conformity and quality, PEIMU of LGED prepared a brief guidance note in Bengali in line with the Plan and Planning Guidelines, and circulated it with a sample master plan for using by the field staff. The master plans are being prepared through active participation and consultation of headmaster of concerned school, SMC representative, Upazila/Thana Education Officer, DPHE engineers and LGED Upazila Engineer and local communities.

The second consultation meeting is being held before layout of the sub-project in presence of LGED representative (Region), Upzila Engineer & his technically stuff, SMC, teachers and local elite. As the volume of sub project under reporting is more than 4000 which is huge. Currently, LGED does not maintain the required information at the PEIMU level; therefore, consultation meetings mechanisms have been elaborated above.



A consultation meeting was held Rajbari Sadar Upazila at Rajbari district



SMC meeting was held at Uttar Gobindapur Gov. primary school at Dinajpur Sadar, Dinajpur



**Participants in a consultation meeting at Kawnia Upazila in Rangpur district.**

**Table 10: Summary and Updated information on the EMR of Sub-project**

Monitoring Criteria	Progress Reporting			Status/Remarks
	(July-Dec., 2022)/ (Current Report-VII)	Previous report (July, 2018-June, 2022)	Cumulative Progress	
No. of Contract Awarded including EMP	605	5530	6135	Different stage of construction
No. of Contract that Incorporated Environmental Clauses	595	5530	6125	Environmental Clauses have been incorporated in all contracts.
No. of trees cut down		1478	1478	No trees were cut down in the reporting period
No. of trees planted	1648	3590	5238	
Budget used for OHS	-	-	-	
No. of School for which water logging problem solved.	22	49	71	

**Table 11: Details of tree plantation as of December, 2022**

Tree plantation plan (TPP) prepared (Yes/No)	No. of trees planned to cut	Trees planned to replant as per TPP	Trees removed (as of Dec., 22)	Trees planted (as of Dec., 22)	Types of species planted	Plantation completion status	Survival status	Remarks
Yes	-	1648	1478	5238	Mango, Jackfruit, Litchi, wood apple, Black berry, Citrus, Guava, Neem, Arjun, Haritoki, Bohera, Amla, Chandan, Olive, Almond, Gamari, Chaatim, Shal, Shegun	Completed	Good	

**13. Measures undertaken to implement the EMF:**

LGED has taken various measures to implement the EMF so that the environmental issues as are properly addressed in implementation of PEDP4 development activities. Following are the measures:

LGED issued several instructions to district Executive Engineer and Upazila Engineer for ensuring the proper implementation of EMF & SSMF so that environmental safeguard issues and social safeguard issues are being addressed in implementing the sub-projects.

In consideration of increasing workload of implementation of the EMF, LGED engaged a full-time Environmental Specialist from September'2018. The Environmental Specialist is responsible for implementation of the EMF and its provisions, including environmental monitoring, compliance checking, facilitation, coordination and ensuring dissemination, orientations and capacity building activities.

The following staffs of LGED are engaged to implement the project activities of PEDP4:



**Table 12: Environment and Social Safeguard personnel in PEDP-4**

<b>Name</b>	<b>Organization and Designation</b>	<b>Email Address</b>	<b>Contact no.</b>	<b>Remarks</b>
Md. Maksalin	LGED, Executive Engineer	maksalin2267@yahoo.com	01715086363	
A. K. M. Badsha Mia	LGED, Executive Engineer	bmia.lged95@gmail.com	01711981213	
Dr M Jahangir Alam	LGED, Individual Consultant (Environmental Specialist)	jarustom.phd@gmail.com	01715917537	Focal/point person
Md. Helal Uddin	LGED, System Analyst	helal1565gmail.com	01711901098	

Other than 1128 contractors and 498 Upazila Engineers are also engaged to ensure construction of sustainable school building and to safeguard environmental and social issues.

#### **14. Conclusion**

It is noted that all the sub-projects are in category “Orange A” and cost of EMP are already included in BoQ and the contractors are implementing accordingly. Moreover, a substantial number of sub-projects are being extended vertically and located in existing premises. Therefore, concern for land use, earth work for foundation and top soil loss are minimal. In addition of that, none of the sub-projects are located in any ecologically protected area and no possibility of negative impact on wetland was also observed. The compliance monitoring of the environmental safeguard issues during construction were conducted using a monitoring check list and observed substantially complied. Furthermore, contractors and workers maintained hand hygiene, respiratory hygiene and physical distancing properly during construction of sub-projects to address the Covid-19 situation. Additionally, many positive impacts and environment enhancement are being generated due to sub-projects implementation. A substantial number of employments have been generated during the construction phase and there will be a good number of employments during the operation phase of sub-projects. The local peoples are getting opportunities in construction activities resulting employment generation. The sub-projects are also fulfilled the demand of construction additional rooms of the institutions for students, teachers and officials in the fourth stage of PEDP.

**15. Recommendations:**

The following time bound corrective measures to be carried out in the reporting period. In the previous report (Jan.-June, 2022), these were action plan for next-reporting period (July.-Dec., 2022).

**Table-13 Time bound Corrective Action Plan (CAP)**

Sl.no.	Issue	Recommended action	Monitoring method	Time to achieve	Corrective measure
1.	Waste Management	Garbages will be collected and put in garbage bin	Contractor implements the task. LGED mainly Upazila Engineer including his technical staff supervises and check during inspection.	July-Dec, 2022	Taken
2.	Reduce work-related travels.	Work related travel will be reduced based on work load.	Reduced work related travel.	July-Dec, 2022	Taken
3.	Dust Control	Water will be sprinkled as and when necessary	Contractor implements the task. LGED mainly Upazila Engineer including his technical staff supervises and check during inspection.	July-Dec, 22	Taken
4.	Air Pollution	Machineries will be set up in bland spaces and water to be sprinkled as and when necessary	Contractor implements the task. LGED mainly Upazila Engineer including his technical staff supervises and check during inspection.	July-Dec, 2022	Taken
5.	Water Pollution	Contractor will supply pure water and flood water drained out	Contractor implements the task. LGED mainly Upazila Engineer including his technical staff supervises and check during inspection.	July-Dec, 2022	Taken
6.	Hygiene and proper sanitation	Contractor will employ labor for maintaining hygiene and proper sanitation	Contractor implements the task. LGED mainly Upazila Engineer including his technical staff supervises and check during inspection.	July-Dec, 2022	Taken
7.	Toilet	Male and female toilet to be separated	Contractor implements the task. LGED mainly Upazila Engineer including his technical staff supervises and check during inspection.	July-Oct, 2022	Adopted
8.	Noise Pollution	Change of working procedure and timing	Contractor implements the task. LGED mainly Upazila Engineer including his technical staff supervises and check during inspection.	July-Dec, 2022	Taken
9.	Drinking water	Contractor will ensure supply of	Contractor implements the task. LGED mainly Upazila Engineer	July-Nov, 2022	Taken



Sl.no.	Issue	Recommended action	Monitoring method	Time to achieve	Corrective measure
		pure drinking water	including his technical staff supervises and check during inspection.		
10.	Health safety	First Aid Box will be placed in the working places	Contractor implements the task. LGED mainly Upazila Engineer including his technical staff supervises and check during inspection.	July-Sept, 2022	Taken
11.	Personal protection equipment	Contractor will supply personal protection equipment	Contractor implements the task. LGED mainly Upazila Engineer including his technical staff supervises and check during inspection.	July-Oct, 2022	Taken
12.	Plantation	Plantation will be done where necessary.	Contractor implements the task according to the plan. Upazila Engineer along with his technical staff and SMC will supervise.	July-Nov, 2022	Taken
13.	Low land area	Low land area will be covered by collecting soil from uncultivated area	Contractor implements the task. LGED Upazila Engineer along with his technical staff and SMC will supervise and check during inspection.	July-Dec, 2022	Taken
14.	Char area	Char designed school building will be set up in Char area	LGED mainly Upazila Engineer and SMC implement the task.	July-Nov, 2022	Taken
15.	Hilly area	School building will be set up considering local materials	LGED mainly Upazila Engineer and SMC implement the task.	July-Dec, 2022	Taken
16.	Child labor	Child labor would not be employed	Contractor implements the task. Upazila Engineer along with his technical staff and SMC supervise, check and report accordingly.	July-Oct, 2022	Taken
17.	Covid/ pandemic situation	Hand sanitizer, face mask, maintaining distance will be retained in working hour	Contractor implements the task. Upazila Engineer along with his technical staff and SMC will supervise, check and report accordingly.	July-Dec, 2022	Taken
18.	Temperature Screening of construction supervisor and	Thermometer will be kept at work site for screening the temperature of	Contractor implements the task. LGED mainly Upazila Engineer including his technical staff supervises and check during	July-Nov, 2022	Taken

Sl.no.	Issue	Recommended action	Monitoring method	Time to achieve	Corrective measure
	workers	construction supervisor and workers	inspection.		
19.	Raise Covid-19 related awareness	Awareness of work supervisor and workers will be raised.	Contractors and LGED mainly Upazila Engineer including his technical staff provide awareness motivation for supervisors and workers.	July-Dec, 2022	Adopted

## 16. Action plan for skill development for the period of (January-June, 2023)

16.1 Side by side the regular environmental activities of PEDP4, some additional activities will be done for the next reporting period for skill development those are included in the following action plan:

**Table 14: Skill development plan during construction phase monitoring on the environmental safeguard issues**

Sl.no.	Issue	Recommended action/ subject	No/Batch	Venue	Time to achieve
1	Training for UE (Upazila Engineer)	Environmental screening, plantation, soil-air-water pollution, EMF, SSMF	50 UE for 02 batches	HQ	Jan-June, 2023
2	Meeting for environmental management team	Progress of ongoing activities for environment and social safeguard issues	01 meeting for each month	HQ	Jan-June, 2023

## 16.2 CAP Construction phase monitoring on the environmental safeguard issues

**Table 15: Result of construction phase monitoring on the environmental safeguard issues**

Sl.No.	Categories of potential environmental issues	Followed (PEIMS monitoring software and physical verification)	Not followed	Remarks/ Possible mitigation measures	Time to achieve
1.	The contractor will erect sufficient number of temporary sanitary toilets and shelter both for male and female workers at the site with proper sanitation system.	4158	165	Upazila Engineers (UEs) have been instructed to erect required sanitary toilets at work site	May, 2023

Sl.No.	Categories of potential environmental issues	Followed (PEIMS monitoring software and physical verification)	Not followed	Remarks/ Possible mitigation measures	Time to achieve
				through concerned contractors and fill up the monitoring check list in due course.	
2.	The contractor will ensure supply of pure drinking water to the workers during the time of construction.	4186	137	In many cases water are collected from nearby sources by the contractors for construction work. UEs have been asked to install tube well.	January, 2023
3.	The contractor will keep a first aid box at the site for any accident.	4219	104	Upazila Engineers have been asked to ensure keeping the first aid box at the work sites immediately.	February,2023
4.	The contractor will take necessary precaution for the safety of his workers and also for the safety of the pedestrians.	4175	148	UEs have been instructed to take proper action immediately	February,2023
5.	The contractor will stack materials systematically in a safe place so that pedestrians do not fall in troubles/ accident and do not occupy any classroom.	4119	204	UEs have been asked to take measures for stacking materials properly.	February,2023
6.	The contractor will not engage any child labor in the work.	4323	-	UEs have been instructed to take appropriate measures not to engage child labor	January, 2023
7.	The contractor will not pollute any nearby source of surface water by any of their activities.	4117	206	UEs have been instructed to take proper action through contractor not	February,2023

Sl.No.	Categories of potential environmental issues	Followed (PEIMS monitoring software and physical verification)	Not followed	Remarks/ Possible mitigation measures	Time to achieve
				to pollute surface water.	
8.	The contractor will try to minimize sound pollution. If such sound producing activity becomes unavoidable, it should be matched with the local condition so that the adverse impact can be kept minimal.	4102	221	UEs have been advised to cast the major items in the weekend.	March,2023
9.	The contractor will not hamper the drainage network of the area by any of their activity.	4128	195	UEs have been asked to take proper measure to solve drainage congestion if any without fail.	February,2023
10.	The contractor will not cut or damage any tree in and around the project area without the permission of the supervising authority.	4114	209	UEs have been instructed not to cut tree without observing existing rules and procedures.	March,2023

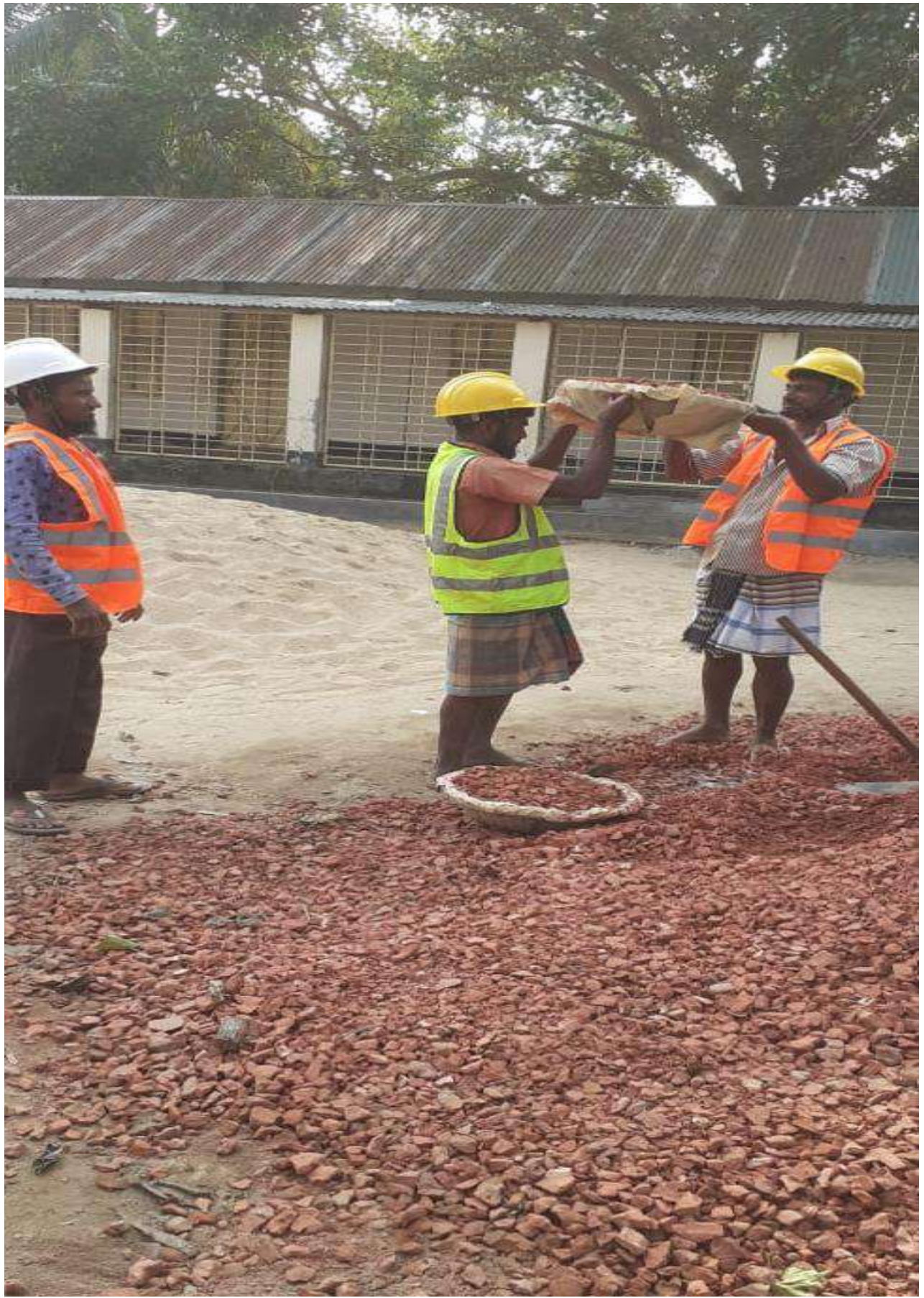
## Appendices

### Appendix 1: Sub-project photograph of ongoing construction works

**Photography of some construction works of No. 14 Kulait Varsangan Govt. Primary School, Narsingdi Upazila, Narsingdi are given below:**































**Appendix-2**

**Construction works of Shishu Govt. Primary School, Khagrachhari Sadar, Khagrachhari.**



























**Appendix 3: Filled up Environmental Screening Format**

Division: CHATTOGRAM

Zone: RANGAMATI

District: KHAGRACHARI

Upazila: KHAGRACHARI SADAR

School Code: 91413010509

School Name: SHISHU GOVT. PRIMARY SCHOOL

District: KHAGRACHARI

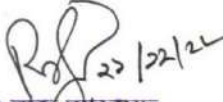
Upazila: KHAGRACHARI SADAR

Union: খাগড়াছড়ি পৌরসভা ওয়ার্ড নং-৮

Village:

Title of Activities	Description of Proposed Activities (Length, width, area, volume, height, unit in feet etc.)	Remarks
Land Development	150 * 100 * 200	No Need
Construction of main school building (extension)	50 * 30 * 0	Need 2H+ room +stair & 3v
Construction of boundary wall	600 * 0 * 0	No Need
Construction of internal Roads	170 * 8 * 0	Need for future development by cc
Construction of water supply and sanitary latrine (toilet)/WASH	30 * 20 * 0	Need for future Implemented by DPHE

[Back to List \(/Home/SchoolIndex\)](#)
[Edit \(/School/EnvironmentalScreeningEdit?subProjectId=171&schoolId=30949\)](#)

  
 মোঃ রাজুল সাহমেদ  
 উপজেলা প্রকৌশলী (সঃ দাঃ)  
 এনজিইডি, সদর, খাগড়াছড়ি।

Division: CHATTOGRAM

Zone: RANGAMATI

District: KHAGRACHARI

Upazila: KHAGRACHARI SADAR

Date of Screening:

05/03/2020

School Code: 91413010509

School Name: SHISHU GOVT. PRIMARY SCHOOL

Type of Subproject:

Construction of Additional class room

Village Name

Dakinmatha

Screening Questions	Yes/ No	Impact Scale	If "Yes", please provide Remarks
<b>A. Subproject Siting</b>			
Is the subproject area adjacent to or within any of the following environmentally sensitive areas?	No	0	
Protected Area	No	0	
Wetland	No	0	
Unstable slope, landslide, erosion area	No	0	
Disaster prone area (e.g. flood, cyclone, storm surge)	No	0	
<b>B. Potential Environmental Impacts Will the subproject cause.....?</b>			
Loss of agricultural/forest land?	No	0	
Negative effects on rare, (vulnerable), threatened, or endangered species of flora and/or fauna or their habitat?	No	0	
Negative effects on designated wetlands?	No	0	
Negative effects on locally important or valued ecosystems or vegetation?	No	0	
Destruction of trees and vegetation?	No	0	
Insufficient drainage leading to water logging?	No	0	
Negative effects on surface water quality, quantities or flow?	No	0	
Block any road/access/approach?	No	0	
Will there be any long-term impacts on local hydrology?	No	0	
Is adequate water supply to school available?	Yes	5	Adequate Water Supply no Available
Increased noise due to day-to-day construction activities?	Yes	-3	Mitigated by the change of working procedure
<b>C. Other Potential Impacts Will the subproject cause.....?</b>			
Degradation or disturbance of historical or culturally important sites (mosque, graveyards, monuments etc.)?	No	0	
Health risks to labors involved in activities?	Yes	-2	mitigated by safty measure
<b>D. Potential Positive Environmental Impacts</b>			

Screening Questions	Yes/ No	Impact Scale	If "Yes"; please provide Remarks
Improved sanitation and personal hygiene	Yes	4	construction toilet by DPHE
Enhanced quality of school environment	Yes	5	Construction additional class room
<b>E. Environmental assessment category as per GOB</b>			
What is the environment assessment category (DDR or IEE) as per ECA 97 and ECR97 of GOB and ADB's SPS?	Yes	6	as per ECR 97 of GOB
Will project enhance quality of education?	Yes	5	due to construction additional class room

Notes: Exact screening results will be site specific of subproject. ADB = Asian Development Bank, DDR = Due Diligence Report, ECA = Environmental Conservation Act, ECR = Environmental Conservation Rules, GOB = Government of Bangladesh, IEE = initial environmental examination, SPS = Safeguard Policy Statement; Source: ADB.

### Type of Environmental Assessment to be undertaken:

**Completed by:**

Md Sohel Ahmed

**Designation:**

SAE,Sadar,Khagrachari

### Filled and signed by LGED/DPHE Assistant Engineer:

**Name:**

Koli Chakma,SAE,DPHE

**Date:**

06/02/2020 00:00:00

### Reviewed and signed by LGED/ DPHE Executive Engineer:

**Name:**


Md.Shah Alam,Upazila Engineer,LGED

**Date:**

06/02/2020 00:00:00

[Back to List \(/Home/SchoolIndex\)](#) |

[Edit \(/School/ScreeningforExtensionEdit?ScreeningInfoMasterId=133&SchoolId=30949\)](#)

  
 মোঃ রাজু আহমেদ  
 উপজেলা প্রকৌশলী (অঃ দাঃ)  
 এলজিইডি, সদর, খাগড়াছড়ি।



Division: CHATTOGRAM

Zone: RANGAMATI

District: KHAGRACHARI

Upazila: KHAGRACHARI SADAR

Date of Screening:  
06-09-2020

School Code: 91413010509

School Name: SHISHU GOVT. PRIMARY SCHOOL

Screening Questions	followed	Not followed	If "Yes", please provide Remarks
The contractor will erect sufficient number of temporary sanitary toilets and shelter both for male and female workers at the site with proper sanitation system.	Yes	Yes	Done by contractor
The contractor will ensure supply of pure drinking water to the workers during the time of construction.	Yes	Yes	do
The contractor will keep a first aid box at the site for any accident.	Yes	Yes	do
The contractor will take necessary precaution for the safety of his workers and also for the safety of the pedestrians.	Yes	Yes	do
The contractor will stack materials systematically in a safe place so that pedestrians do not fall in troubles/ accident and do not occupy any classroom.	Yes	Yes	do
The contractor will not engage any child labor in the work.	Yes	Yes	Known contractor
contractor will not pollute any nearby source of surface water by any of their activities.	Yes	Yes	do
The contractor will try to minimize sound pollution. If such sound producing activity becomes unavoidable, it should be matched with the local condition so that the adverse impact can be kept minimum.	Yes	Yes	doing these by concern contractor
The contractor will engage local people in the work as far as possible. The vulnerable destitute women should get preference.	Yes	Yes	do
The contractor will not hamper the drainage network of the area by any of their activity.	Yes	Yes	no hamper
The contractor will not cut or damage any tree in and around the project area without the permission of the supervising authority.	Yes	Yes	not cut any tree
The contractor will take every initiative to reduce dust emission during the construction work i.e sprinkling of water on the dust etc.	Yes	Yes	Doing by contractor
contractor will not set any temporary burner under any tree.	Yes	Yes	do
If required, the contractor will collect filling earth from existing ditches, ponds and fallow lands to avoid land loss.	No	No	
No of Women Labour working in the sub-project	Yes	Yes	10 no's women workers

[Back to List \(/Home/SchoolIndex\)](#)
[Edit \(/School/ConstructionPhaseMonitoringDataEdit?ScreeningInfoMasterId=1025&SchoolId=30949\)](#)

Division: CHATTOGRAM

Zone: RANGAMATI

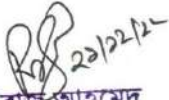
District: KHAGRACHARI

Upazila: KHAGRACHARI SADAR

## Social Safeguard Screening

## A. Genral Information

School Name: SHISHU GOVT. PRIMARY SCHOOL		School Code: 91413010509	
<input checked="" type="checkbox"/> Existing School	<input type="checkbox"/> New School	Screening Date:	
Union: খাগড়াছড়ি পৌরসভা ওয়ার্ড নং-৮	Ward Name & No.:	8	
Names of Persons Participated in Screening:			
DPE Staff:	Eden Chakma		
Local Government Representatives:	Khondokar Sohel Ahmed		
Community Members:	PRIMOL DEBONATH		

  
 মোঃ রাজু আহমেদ  
 উপজেলা প্রকৌশলী (সঃ দাঃ)  
 এলজিইডি, সদর, খাগড়াছড়ি।



**B. Social Safeguard Information**

The Scheme is located in an area (UP, or Ward or part of a Ward) where residents are:

- All mainstream or non-indigenous/tribal peoples  
 All indigenous/tribal peoples  
 Majority mainstream or non-indigenous/tribal peoples  
 Majority indigenous/tribal peoples

Scope of Work:  Improvements on Existing School  Construction

Existing Schools:

Toilets

Number:

4

Total Land Area (decimal/square feet):

10

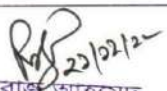
decimal

Required Land Belongs to:	<input checked="" type="checkbox"/> School <input type="checkbox"/> Private Owners: Others (Name):
Additional Class Room	Number: 3 Total Land Area (decimal/square feet): 1025 sft
Required Land Belongs to	<input type="checkbox"/> School <input type="checkbox"/> Private Owners: Others (Name):
Dormitory (CHT):	Capacity (# of students): Total land Area (decimals):
Required Land is	<input checked="" type="checkbox"/> School Property <input type="checkbox"/> Khas <input type="checkbox"/> Under Customary Use <input type="checkbox"/> Under Lease to Indigenous Persons <input type="checkbox"/> Under Lease to Non-Indigenous Persons
Other Civil Works, if any (Describe):	


*Rafiq 23/12/22*

মোঃ রাজু আহমেদ  
 উপজেলা প্রকৌশলী (অঃ দাঃ)  
 এলজিইডি, সদর, খাগড়াছড়ি।

<p>If Require Lands are Private, they are Presently Used for</p>	<input type="checkbox"/> Agriculture No. of Landowners/users: N/A <input type="checkbox"/> Residential Purposes No. of household living on them: N/A <input type="checkbox"/> Business Purposes No. of persons using the lands: N/A <input type="checkbox"/> Other Purposes No. of persons using the lands: N/A
<p>Name Purpose:</p>	<p></p>
<p>If Require Lands are Public, they are Presently Used for</p>	<input type="checkbox"/> Agriculture No. of Landowners/users: N/A <input type="checkbox"/> Residential Purposes No. of household living on them: N/A <input type="checkbox"/> Business Purposes No. of persons using the lands: N/A <input type="checkbox"/> Other Purposes No. of persons using the lands: N/A
<p>Name Purpose:</p>	<p></p>
<p>New Schools:</p>	<input type="checkbox"/> Without Cyclone Shelter & Dormitory Total Land Area (decimals): N/A <input type="checkbox"/> With Cyclone Shelter & Dormitory Total Land Area (decimals): N/A <input type="checkbox"/> With Dormitory Total Land Area (decimals): N/A
<p>Required Land Belongs to:</p>	<input type="checkbox"/> School <input type="checkbox"/> Private Owners <input type="checkbox"/> Land Ministry (Khas) Other Ministries (Name): <p></p> Other Entities (Name): <p></p>

  
 মোঃ রাজু আহমেদ  
 উপজেলা প্রকৌশলী (সংসদ)  
 এলাজহাট, সদর, বাগড়াছড়ি।

If Require Lands are Private, they are Presently Used for	<input type="checkbox"/> Agriculture No. of Landowners/users: N/A
	<input type="checkbox"/> Residential Purposes No. of household living on them: N/A
	<input type="checkbox"/> Business Purposes No. of persons using the lands: N/A
	<input type="checkbox"/> Other Purposes No. of persons using the lands: N/A
	Name Purpose:
If Require Lands are Public, they are Presently Used for	<input type="checkbox"/> Agriculture No. of Landowners/users: N/A
	<input type="checkbox"/> Residential Purposes No. of household living on them: N/A
	<input type="checkbox"/> Business Purposes No. of persons using the lands: N/A
	<input type="checkbox"/> Other Purposes No. of persons using the lands: N/A
	Name Purpose:
If private lands are required they will be obtained through	
<input type="checkbox"/> Voluntary Donation	Agreed by Landowners <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Direct Purchase	Agreed by Landowners <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Other means (Describe):	
Remarks, if any, about land availability:	

  
 মোঃ রাজুল ইসলাম  
 উপজেলা প্রকৌশলী (সঃ দাঃ)  
 এলজিইডি, সদর, খাগড়াছড়ি।

**C. ADDITIONAL INFORMATION ON SMALL ETHNIC COMMUNITIES(SECs) (IN ADDITION TO THE INFORMATION UNDER SECTION B)**

Names of SEC members and organizations which participated in Social Screening:

N/A

The would-be affected SECs have the following forms of rights to the required lands:

Legal ownership

Number of SEC persons/households:

Customary Rights

Number of SEC persons/households:

Lease agreements with the Government

Number of SEC persons/households:

Others form of Right

Number of SEC persons/households:

Describe Right:

The following are the three main economic activities of the would-be affected SEC households:

(a)

Agriculture

(b)

Animal husbandry

(c)

Handicraft, Business

The following are the social concerns expressed by SEC community and organizations:

The SEC community and organizations perceive the social outcomes of the scheme:

Positive

Negative

Neither Positive nor Negative

In respect of the social impacts and concerns, is there a need to undertake an additional Impact Assessment study?

Yes

No

(A DPE staff should fill in this form)

Prepared by (Name and Designation):

Adin Chakma

Assistant Education officer

Existing Signature:



Signature:

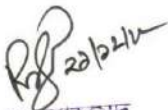
Choose File No file chosen

Date:

06/02/2020

[Back to List \(/Home/SchoolIndex\)](#)

[Update](#)

  
স্বাক্ষর: আব্দুল মোহাম্মদ  
উপাচার্য, প্রকৌশলী (অঃ দাঃ)  
ইলজিহিডি, সদর, ঝাংড়াহাট।

Division: CHATTOGRAM

Zone: RANGAMATI

District: KHAGRACHARI

Constituency:

Upazila: KHAGRACHARI SADAR

## SECTION-V: TEMPLATE FOR ENVIRONMENTAL MANAGEMENT PLAN (EMP)

### Appendix 4.1: Mitigation/Enhancement plan for Environmental Impact (During construction)

Environmental Issue/ Impacts requiring mitigation	Mitigation/Enhancement measures	Implementation by	Supervision by	Action
	During construction any requiring problem mitigation by LGED,DPE & CONTACTOR		LGED	<input type="button" value="Edit"/>
1.Noise pollution 2.air pollution	mitigated by the change	concern contractor	upazila engineer	<input type="button" value="Edit"/>
				<input type="button" value="Save"/>

Note: Above table should be filled with the help of Table 2of the EMP Report

### Appendix 4.2: Mitigation/Enhancement plan for Environmental Impact (During operation)

Environmental Issue/ Impacts requiring mitigation	Mitigation/Enhancement measures	Implementation by	Supervision by	Action
	During operation any problem arise mitigate by DPC & SMC		DPC	<input type="button" value="Edit"/>
waste management	by regular cleaning	DPE Staff	DPE	<input type="button" value="Edit"/>
				<input type="button" value="Save"/>

Note: Above table should be filled with the help of Table 3 of the EMP Report

### Appendix 4.3: Environmental Monitoring Plan (During construction stage)

Environmental Issue/ Impacts requiring mitigation	Monitoring Indicators	Frequency	Location	Implementation by	Supervision by	Action
1.noise pollution 2.air pollution	physical	all time of construction preiod	project side	concern contractor	upazila engineer	<input type="button" value="Edit"/>
						<input type="button" value="Save"/>

Note: Above table should be filled with the help of Table 5 of the EMP Report

### Appendix 4.4: Environmental Monitoring Plan (During operation stage)

Environmental Issue/ Impacts requiring mitigation	Monitoring Indicators	Frequency	Location	Implementation by	Supervision by	Action
waste management	physical	regular	school campass	DPE Staff	DPE	<input type="button" value="Edit"/>
						<input type="button" value="Save"/>

Note: Above table should be filled with the help of Table 6 of the EMP Report

[Back to List \(/Home/SchoolIndex\)](#)

*R.P.*  
22/12/22  
মোঃ রাজু আহমেদ  
উপজেলা প্রকৌশলী (সঃ দাঃ)  
এলজিইডি, সদর, খাগড়াছড়ি।

**Appendix 4: Filled up Environmental Screening Format Appendices**



Division: CHATTOGRAM Zone: RANGAMATI District: KHAGRACHARI Upazila: KHAGRACHARI SADAR

School Code: 91413010502

School Name: MAHA JAN PARA

District: KHAGRACHARI

Upazila: KHAGRACHARI SADAR

Union: খাগড়াছড়ি পৌরসভা ওয়ার্ড নং-৪

Village:

Title of Activities	Description of Proposed Activities (Length, width, area, volume, height, unit in feet etc.)	Remarks
Land Development	100 * 200 * 20	No Need
Construction of main school building (extension)	94 * 30 * 0	Approved 3H+stair(17'4" x 19'6")
Construction of boundary wall	124 * 0 * 124	Need for future development
Construction of internal Roads	100 * 8 * 0	Need for future development by cc
Construction of water supply and sanitary latrine (toilet)/WASH	30 * 20 * 0	Existing wash block implemented by DPHE 2017-2018

[Back to List \(/Home/SchoolIndex\)](#)

[Edit \(/School/EnvironmentalScreeningEdit?subProjectId=181&schoolId=30942\)](#)

*Rafiq*  
20/12/22  
মোঃ রাজু আহমেদ  
উপজেলা প্রকৌশলী (অঃ দাঃ)  
এনজিইডি, সদর, খাগড়াছড়ি।



Division: CHATTOGRAM

Zone: RANGAMATI

District: KHAGRACHARI

Upazila: KHAGRACHARI SADAR

Date of Screening:  
05/03/2020

School Code: 91413010502

School Name: MAHA JAN PARA

Type of Subproject:  
Additional class room by Horizontal ExtensionVillage Name  
MAHAJON PARA

Screening Questions	Yes/ No	Impact Scale	If "Yes", please provide Remarks
<b>A. Subproject Siting</b>			
Is the subproject area adjacent to or within any of the following environmentally sensitive areas?	No	0	
Protected Area	No	0	
Wetland	No	0	
Unstable slope, landslide, erosion area	No	0	
Disaster prone area (e.g. flood, cyclone, storm surge)	No	0	
<b>B. Potential Environmental Impacts Will the subproject cause.....?</b>			
Loss of agricultural/forest land?	No	0	
Negative effects on rare, (vulnerable), threatened, or endangered species of flora and/or fauna or their habitat?	No	0	
Negative effects on designated wetlands?	No	0	
Negative effects on locally important or valued ecosystems or vegetation?	No	0	
Destruction of trees and vegetation?	No	0	
Insufficient drainage leading to water logging?	No	0	
Negative effects on surface water quality, quantities or flow?	No	0	
Block any road/access/approach?	No	0	
Will there be any long-term impacts on local hydrology?	No	0	
Is adequate water supply to school available?	Yes	5	Adequate Water Supply no Available
Increased noise due to day-to-day construction activities?	Yes	-3	Mitigated by the change of working procedure
<b>C. Other Potential Impacts Will the subproject cause.....?</b>			
Degradation or disturbance of historical or culturally important sites (mosque, graveyards, monuments etc.)?	No	0	
Health risks to labors involved in activities?	Yes	-2	mitigated by safty measure
<b>D. Potential Positive Environmental Impacts</b>			

Screening Questions	Yes/ No	Impact Scale	If "Yes", please provide Remarks
Improved sanitation and personal hygiene	Yes	4	construction toilet by DPHE
Enhanced quality of school environment	Yes	5	Construction additional class room
<b>E. Environmental assessment category as per GOB</b>			
What is the environment assessment category (DDR or IEE) as per ECA 97 and ECR97 of GOB and ADB's SPS?	Yes	6	as per ECR 97 of GOB
Will project enhance quality of education?	Yes	5	due to construction additional class room

Notes: Exact screening results will be site specific of subproject. ADB = Asian Development Bank, DDR = Due Diligence Report, ECA = Environmental Conservation Act, ECR = Environmental Conservation Rules, GOB = Government of Bangladesh, IEE = initial environmental examination, SPS = Safeguard Policy Statement; Source: ADB.

### Type of Environmental Assessment to be undertaken:

**Completed by:**

Saroj chowdhury

**Designation:**

SAE,Sadar,Khagrachari

### Filled and signed by LGED/DPHE Assistant Engineer:

**Name:**

Koli Chakma,SAE,DPHE

**Date:**

28/11/2019 00:00:00

### Reviewed and signed by LGED/ DPHE Executive Engineer:

**Name:**


Md.Belal Hasan,Upazila Engineer,LGED

**Date:**

28/11/2019 00:00:00

[Back to List \(/Home/SchoolIndex\)](#)

[Edit \(/School/ScreeningforExtensionEdit?ScreeningInfoMasterId=134&SchoolId=30942\)](#)

  
 মোঃ রাজু আহমেদ  
 উপজেলা প্রকৌশলী (অঃ দাঃ)  
 এলজিইডি, সদর, বাগড়াইড়ি।

Division: CHATTOGRAM

Zone: RANGAMATI

District: KHAGRACHARI

Upazia: KHAGRACHARI SADAR

Date of Screening:

06-09-2020

School Code: 91413010502

School Name: MAHA JAN PARA

Screening Questions	followed	Not followed	If "Yes", please provide Remarks
The contractor will erect sufficient number of temporary sanitary toilets and shelter both for male and female workers at the site with proper sanitation system.	Yes	Yes	Done by contractor
The contractor will ensure supply of pure drinking water to the workers during the time of construction.	Yes	Yes	do
The contractor will keep a first aid box at the site for any accident.	Yes	Yes	do
The contractor will take necessary precaution for the safety of his workers and also for the safety of the pedestrians.	Yes	Yes	do
The contractor will stack materials systematically in a safe place so that pedestrians do not fall in troubles/ accident and do not occupy any classroom.	Yes	Yes	do
The contractor will not engage any child labor in the work.	Yes	Yes	Known contractor
contractor will not pollute any nearby source of surface water by any of their activities.	Yes	Yes	do
The contractor will try to minimize sound pollution. If such sound producing activity becomes unavoidable, it should be matched with the local condition so that the adverse impact can be kept minimum.	Yes	Yes	doing these by concern contractor
The contractor will engage local people in the work as far as possible. The vulnerable destitute women should get preference.	Yes	Yes	do
The contractor will not hamper the drainage network of the area by any of their activity.	Yes	Yes	no hamper
The contractor will not cut or damage any tree in and around the project area without the permission of the supervising authority.	Yes	Yes	not cut any tree
The contractor will take every initiative to reduce dust emission during the construction work i.e sprinkling of water on the dust etc.	Yes	Yes	Doing by contractor
contractor will not set any temporary burner under any tree.	Yes	Yes	do
If required, the contractor will collect filling earth from existing ditches, ponds and fallow lands to avoid land loss.	No	No	
No of Women Labour working in the sub-project	Yes	Yes	10 no's women workers

[Back to List \(/Home/SchoolIndex\)](#)
[Edit \(/School/ConstructionPhaseMonitoringDataEdit?ScreeningInfoMasterId=1028&SchoolId=30942\)](#)

Division: CHATTOGRAM

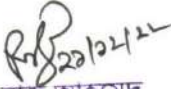
Zone: RANGAMATI

District: KHAGRACHARI

Upazila: KHAGRACHARI SADAR

## Social Safeguard Screening

A. Genral Information			
School Name: MAHA JAN PARA		School Code: 91413010502	
<input checked="" type="checkbox"/> Existing School	<input type="checkbox"/> New School	Screening Date:	25/11/2019 00:00:00
Union: খাগড়াছড়ি পৌরসভা ওয়ার্ড নং-৪		Ward Name & No.:	4
Names of Persons Participated in Screening:			
DPE Staff:		Eden Chakma	
Local Government Representatives:		Khondokar Sohel Ahmed	
Community Members:		Robisankar Talukder	

  
 মোঃ রাজু আহমেদ  
 উপজেলা প্রকৌশলী (অঃ দাঃ)  
 এনজিইডি, সদর, খাগড়াছড়ি।

**B. Social Safeguard Information**

The Scheme is located in an area (UP, or Ward or part of a Ward) where residents are:

- All mainstream or non-indigenous/tribal peoples  
 All indigenous/tribal peoples  
 Majority mainstream or non-indigenous/tribal peoples  
 Majority indigenous/tribal peoples

Scope of Work:  Improvements on Existing School  Construction of New School

Existing Schools:

Toilets

Number:

1

Total Land Area (decimal/square feet):

23

decimal

Required Land Belongs to:

School

Private Owners:

Others (Name):

Additional Class Room

Number:

3

Total Land Area (decimal/square feet):

7

decimal

Required Land Belongs to

School

Private Owners:

Others (Name):

Dormitory (CHT):

Capacity (# of students):

Total land Area (decimals):

Required Land is

School Property

Khas

Under Customary Use

Under Lease to Indigenous Persons

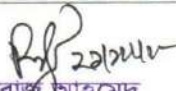
Under Lease to Non-Indigenous Persons

Other Civil Works, if any (Describe):


*R&D 23/12/22*  
 মোঃ রাজু আহমেদ  
 উপজেলা প্রকৌশলী (অঃ দাঃ)  
 এলজিইডি, সদর, বাগড়াছড়ি।



<p>If Require Lands are Private, they are Presently Used for</p>	<input type="checkbox"/> Agriculture No. of Landowners/users: N/A <input type="checkbox"/> Residential Purposes No. of household living on them: N/A <input type="checkbox"/> Business Purposes No. of persons using the lands: N/A <input type="checkbox"/> Other Purposes No. of persons using the lands: N/A
<p>Name Purpose:</p>	<p>Name Purpose:</p>
<p>If Require Lands are Public, they are Presently Used for</p>	<input type="checkbox"/> Agriculture No. of Landowners/users: N/A <input type="checkbox"/> Residential Purposes No. of household living on them: N/A <input type="checkbox"/> Business Purposes No. of persons using the lands: N/A <input type="checkbox"/> Other Purposes No. of persons using the lands: N/A
<p>Name Purpose:</p>	<p>Name Purpose:</p>
<p>New Schools:</p>	<input type="checkbox"/> Without Cyclone Shelter & Dormitory Total Land Area (decimals): N/A <input type="checkbox"/> With Cyclone Shelter & Dormitory Total Land Area (decimals): N/A <input type="checkbox"/> With Dormitory Total Land Area (decimals): N/A
<p>Required Land Belongs to:</p>	<input type="checkbox"/> School <input type="checkbox"/> Private Owners <input type="checkbox"/> Land Ministry (Khas) Other Ministries (Name):  Other Entities (Name):  

  
 মোঃ রাজ আহমেদ  
 উপজেলা প্রকৌশলী (অঃ দাঃ)  
 এলাজহাট, সদর, ঝাংড়াছড়ি।

If Require Lands are Private, they are Presently Used for	<input type="checkbox"/> Agriculture No. of Landowners/users: N/A
	<input type="checkbox"/> Residential Purposes No. of household living on them: N/A
	<input type="checkbox"/> Business Purposes No. of persons using the lands: N/A
	<input type="checkbox"/> Other Purposes No. of persons using the lands: N/A
	Name Purpose:
If Require Lands are Public, they are Presently Used for	<input type="checkbox"/> Agriculture No. of Landowners/users: N/A
	<input type="checkbox"/> Residential Purposes No. of household living on them: N/A
	<input type="checkbox"/> Business Purposes No. of persons using the lands: N/A
	<input type="checkbox"/> Other Purposes No. of persons using the lands: N/A
	Name Purpose:
If private lands are required they will be obtained through	
<input type="checkbox"/> Voluntary Donation	Agreed by Landowners <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Direct Purchase	Agreed by Landowners <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Other means (Describe):	
Remarks, if any, about land availability: school land is avilable	

  
 মোঃ রাজু আহমেদ  
 উপজেলা প্রকৌশলী (অঃ দাঃ)  
 এলজিইডি, সদর, বাগড়াছড়ি।



**C. ADDITIONAL INFORMATION ON SMALL ETHNIC COMMUNITIES(SECs) (IN ADDITION TO THE INFORMATION UNDER SECTION B)**

Names of SEC members and organizations which participated in Social Screening:

good construction

The would-be affected SECs have the following forms of rights to the required lands:

Legal ownership

Number of SEC persons/households:

Customary Rights

Number of SEC persons/households:

Lease agreements with the Government

Number of SEC persons/households:

Others form of Right

Number of SEC persons/households:

Describe Right:

The following are the three main economic activities of the would-be affected SEC households:

(a)

Agriculture

(b)

Animal husbandry

(c)

Handicraft, Business

The following are the social concerns expressed by SEC community and organizations:

The SEC community and organizations perceive the social outcomes of the scheme:

Positive

Negative

Neither Positive nor Negative

In respect of the social impacts and concerns, is there a need to undertake an additional impact Assessment study?

Yes

No

(A DPE staff should fill in this form)

Prepared by (Name and Designation):

Adin Chakma

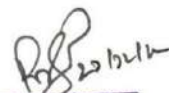
Assistant Education officer

Existing Signature:



Signature:

No file chosen


  
 মোঃ রাজু আহমেদ  
 উপজেলা প্রকৌশলী (অঃ দাঃ)  
 এলজিইডি, সদর, খাগড়াছড়ি।

Date:

26/11/2019

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[Update](#)

  
১১/১১/১৯  
মোঃ রশীদ আহমেদ  
উপজেলা প্রকৌশলী (অঃ দাঃ)  
এলজিইডি, সদর, বাগলাছড়ি।

Division: CHATTOGRAM

Zone: RANGAMATI

District: KHAGRACHARI

Constituency:

Upazila: KHAGRACHARI SADAR

## SECTION-V: TEMPLATE FOR ENVIRONMENTAL MANAGEMENT PLAN (EMP)

### Appendix 4.1: Mitigation/Enhancement plan for Environmental Impact (During construction)

Environmental Issue/ Impacts requiring mitigation	Mitigation/Enhancement measures	Implementation by	Supervision by	Action
	During construction any requiring problem mitigation by LGED,DPE & CONTACTOR		LGED	<input type="button" value="Edit"/>
1.Noise pollution 2.air pollution	mitigated by the change	concern contractor	upazila engineer	<input type="button" value="Edit"/>
				<input type="button" value="Save"/>

Note: Above table should be filled with the help of Table 2of the EMP Report

### Appendix 4.2: Mitigation/Enhancement plan for Environmental Impact (During operation)

Environmental Issue/ Impacts requiring mitigation	Mitigation/Enhancement measures	Implementation by	Supervision by	Action
	During operation any problem arise mitigate by DPC & SMC		DPC	<input type="button" value="Edit"/>
waste management	by regular cleaning	DPE Staff	DPE	<input type="button" value="Edit"/>
				<input type="button" value="Save"/>

Note: Above table should be filled with the help of Table 3 of the EMP Report

### Appendix 4.3: Environmental Monitoring Plan (During construction stage)

Environmental Issue/ Impacts requiring mitigation	Monitoring Indicators	Frequency	Location	Implementation by	Supervision by	Action
1.noise pollution 2.air pollution	physical	all time of construction preiod	project side	concern contractor	upazila engineer	<input type="button" value="Edit"/>
						<input type="button" value="Save"/>

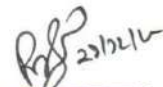
Note: Above table should be filled with the help of Table 5 of the EMP Report

### Appendix 4.4: Environmental Monitoring Plan (During operation stage)

Environmental Issue/ Impacts requiring mitigation	Monitoring Indicators	Frequency	Location	Implementation by	Supervision by	Action
waste management	physical	regular	school campass	DPE Staff	DPE	<input type="button" value="Edit"/>
						<input type="button" value="Save"/>

Note: Above table should be filled with the help of Table 6 of the EMP Report

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 মোঃ রাজু আহমেদ  
 উপজেলা প্রকৌশলী (সি.এস.ও.)  
 এলজিইডি, সদর, খাগড়াছড়ি।

## Appendix-V

### A consultation meeting was held Rajbari Sadar Upazila at Rajbari district

Name	Designation	Address
Kazi Keramot Ali	MP	Rajbari-1
Emdad Ali Biswas	Upazila Chairman	Rajbari Sadar, Rajbari
Marzia Sultana	UNO	Rajbari Sadar, Rajbari
Md. Golam Rabbani	Upazila Engineer	Rajbari Sadar, Rajbari
Nasrin Akter	Upazila Education Officer	Rajbari Sadar, Rajbari
Jun Cox	Head Teacher	Town Maktab School , Rajbari Sadar, Rajbari
Manjur Ali	Assist. Teacher	Rajbari Sadar, Rajbari
Latif Biswas	Contractor	Rajbari Sadar, Rajbari
Mojahed Ali	Local leader	Rajbari Sadar, Rajbari

### SMC meeting was held at Uttar Gobindapur Gov. Primary School, Dinajpur Sadar, Dinajpur

Name	Designation	Address
Provati Rani	President, School Management Committee	Dinajpur Sadar, Dinajpur
Golam Faruk	Head Teacher	Uttar Gobindapur Gov. Primary School, Dinajpur Sadar, Dinajpur
Mehnaj Parvin	Assist. Teacher	Uttar Gobindapur Gov. Primary School, Dinajpur Sadar, Dinajpur
Md. Nasir Uddin	Assist. Teacher	Uttar Gobindapur Gov. Primary School, Dinajpur Sadar, Dinajpur
Md. Helal Uddin	Guardian	Dinajpur Sadar, Dinajpur
Rafiqul Islam	Member, School Management Committee	Dinajpur Sadar, Dinajpur

### Consultation Meeting at Kawnia Upazila, Rangpur

Name	Designation	Address
Md. Eaqub Ali	Head Teacher	Kawnia Sadar, Rangpur
Ms Shahina Begam	Guardian	Haragach, Kawnia Upazila, Rangpur
Sofia Khatun	Guardian	Tepa Madhupur, Kawnia Upazila, Rangpur
Beauty Begam	Guardian	Shahidbug, Kawnia Sadar, Rangpur
Ms Selina Akter	Guardian	Shahidbug, Kawnia Upazila, Rangpur

Jharna Begam	Local Leader	Haragach, Kawnia Upazila, Rangpur
Shahadat Hossen	Guardian	Haragach, Kawnia Upazila, Rangpur
Sanjoy Datta	Local leader	Haragach, Kawnia Upazila, Rangpur
Selina Begam	Member, School Management Committee	Shahidbug, Kawnia Upazila, Rangpur
Hajera Khatun	Member, Union Parishad	Tepa Madhupur, Kawnia Upazila, Rangpur
Monoara Begam	Guardian	Tepa Madhupur, Kawnia Upazila, Rangpur