

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)

Revised Semi-annual Environmental Monitoring Report-VI

(January-June, 2022)

TABLE OF CONTENTS

Abbreviations and Acronyms		Page no.
	Executive Summary	5
1.0	Introduction	7
1.1	Background	7
1.2	PEDP4 Objectives	7
1.3	PEDP4 Components	7
1.4	Type of Sub-project	7
1.5	Purpose of the Environmental Monitoring Report	9
2.0	Implication of Policies and Compliance of Polices	9
3.0	Environmental Management Processes of PEDP4	10
3.1	Categorization of Sub-projects	10
4.0	The Sub-projects	11
4.1	Sub-project Description	11
4.2	Scope of Semi-annual Environmental Monitoring Report (SEMR)	12
5.0	Environmental Screening of sub-project	13
6.0	Environment Management Plan (EMP)	18
6.1	Existing impact on environment	18
6.2	Mitigation/Benefit Enhancement measures	19
7.0	Positive Impacts & Benefit Enhancement Measures	21
7.1	Positive Impact	21
7.2	Benefit Enhancement Measures	21
7.3	Site/Project Alternatives	22
8.0	Response on COVID-19	22
9.0	Grievance Redress Mechanism	23
10.0	Environmental Monitoring	25
10.1	Construction phase Monitoring	25
11	LGED's Program Implementation, Supervision and Monitoring	27
12	Consultation Meeting	28
13	Measures undertaken to implement the EMF	29
14	Conclusion	30
15	Recommendation	31
	Appendices	34

List of Tables

- Table 1: Types of Sub-projects and intervention under PEDP4
- Table 2: Categorization of Sub-projects
- Table 3: Type of (Cumulative) based on construction
- Table 4: Type of School (Cumulative) based on location
- Table-5-: Mitigation/benefit enhancement measure
- Table 6: Complaints status of the reporting period
- Table-7: Result of construction phase monitoring
- Table 8: List of monitoring visit during the reporting period
- Table 9: Consultation meeting held during Jan.-June,2022
- Table 10: Summary and updated information on the EMR of Sub-projects

List of Figures

- Fig: 1 Type of School (Cumulative) based on school construction
- Fig: 2 Type of School (Cumulative) based on room construction
- Fig-3: Type of School (Cumulative) based on location

APPENDIX

- Appendix 1: Sub- project photograph of ongoing works
- Appendix 2: Filled up Environmental Screening Format
- Appendix 3: LGED instruction to implement environment and social safeguard measures
- Appendix 4: Recommendations on EMR (Jan - Jun 2022) for PEDP-4 (LGED)

CHECKLIST FOR REVISED REPORT-VI

Topics/contents	Activities done	Page no.
5.2.2 Cumulative status of sub-projects	Deleted	18
Table 6: Complaints status of the reporting period	Added	23
Table 8: List of monitoring visit during reporting period	Described	27
Table 9: Consultation meeting held during Jan.-June, 2022	Described	28
Table 11: Details of tree plantation as of June 2022	Added	29
Table 12: Safeguard personnel in PEDP4	Added	30

Abbreviations and Acronyms

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

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 results. 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:

Sl. No.	Type of Sub-project	No. of Sub-project (January-June, 2022)	Cumulative No. of Sub-project (July,2018-June, 2022)	Type of Sub-project	Does EMP cost included in BoQ	Work Status/ % of completion
1	Additional room construction of School	1026	7180	Orange A	EMP cost is included in BoQ	Tendering and different stage of construction
2	Expansion and construction of DD Office	--	05	Orange A	EMP cost is included in BoQ	Do
3	Expansion and construction of DPEO Office	08	33	Orange A	EMP cost is included in BoQ	Do
4	Expansion of PTI	12	61	Orange A	EMP cost is included in BoQ	Do
	Total	1046	7279			

The table presented above demonstrates the cumulative status of sub-projects on environmental management of PEDP4. The table indicates that LGED have taken total 1046 sub-projects for expansion and construction of additional rooms including other institutional infrastructures such as PTI, DD and DPEO offices during the reporting period (January- June, 2022). This SEMR has been prepared based on 1046 sub-projects consisting of 1026 (98.09%) schools and 20 (1.91%) 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 agricultural land was also reported.

Moreover, 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 (Jan.-June'2022) due to Covid-19 crisis. 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 hand washing, respiratory hygiene and physical distancing properly during construction of sub-projects to address the Covid-19 crisis.

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 the project.

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 1: Type of sub-projects and intervention under PEDP4

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

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.

However, 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-project.

Table-2 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-2:- Categorization of Sub-projects

NO.	Types/ Interventions of Sub-projects (Details of interventions are given in chapter 3.2)	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, teacher room, head teacher room and other infrastructures. Under PEDP4, 40000 additional rooms for class & teacher and 10500 rooms for head teacher 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 remain 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.

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

In PEDP4, forty thousand additional rooms and ten thousand five hundred head teacher rooms including others institutional infrastructures is planned for construction under need based infrastructure sub- component.

Cumulative status of Sub-projects:

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The table presented above shows the cumulative status of sub-projects on environmental management of PEDP4. The table indicates that LGED had taken total 1046 sub-projects for construction and expansion of additional rooms including other institutional infrastructures such as PTI, DD and DPEO offices during the reporting period (January'22- June'22). This SEMR has been prepared based on 1046 sub-projects consisting 1026 (98.09%) schools and 20 (1.91%) 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 and different stage 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 1046 sub-projects were screened for construction and expansion of additional rooms including other institutional infrastructures during the current reporting period. The sub-projects include 1026 schools and 20 institutional infrastructures such as PTI, DD and DPEO offices etc.

5.2.1 School Sub-projects screened:

It can be seen in the table: 3, presented below a cumulative total 7180 schools were screened for construction of 29776 additional rooms during the reporting period (July, 2018-June, 2022).

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

Table-3: Type of School (Cumulative) based on construction

Sl.No.	School Type based on construction	No. of School(July, 2018-June,2022)	
		No	(Room)
1.	Vertical	1090	(4399)
2.	Horizontal	1611	(5163)
3.	(Horizontal + Vertical)	4479	(20214)
	Total	7180	(29776)

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

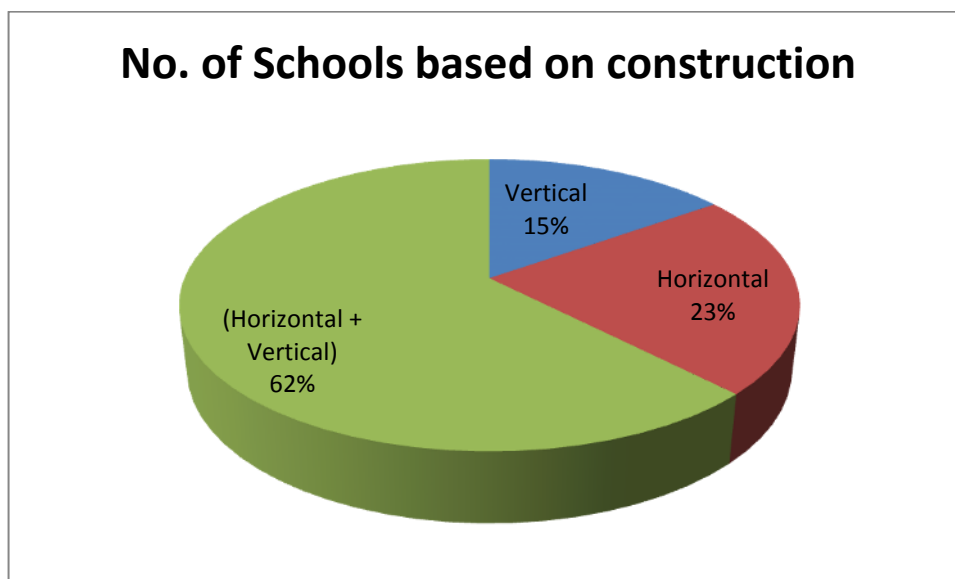
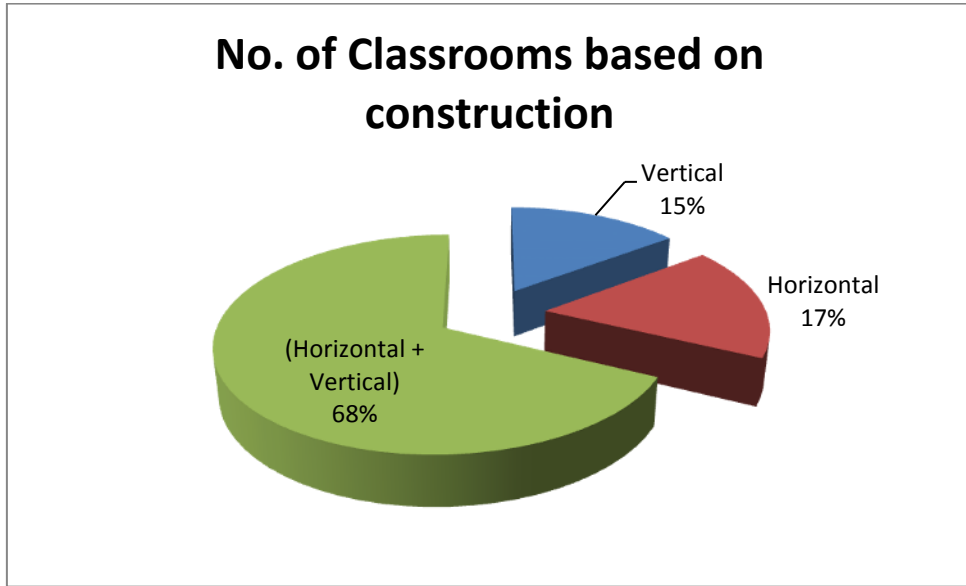


Fig: 2 Type of School (Cumulative) based on classroom construction



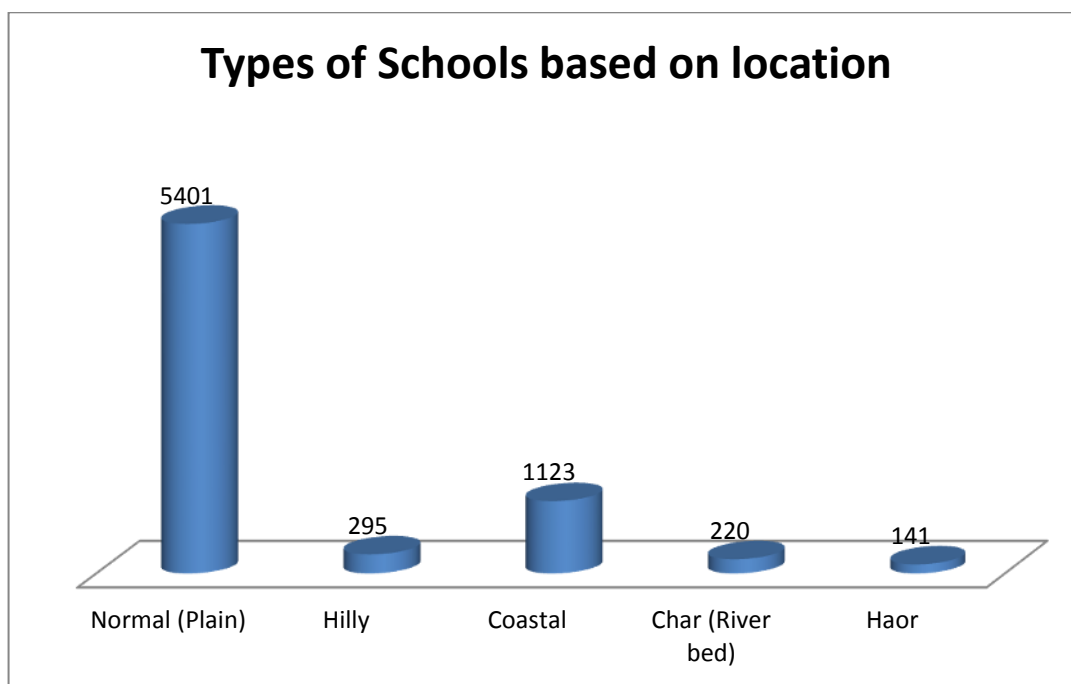
B) Type of School (Cumulative) based on location:

The table presented below shows that 7180 schools having 5401 in plain , 295 in Hilly , 1123 in Coastal belt , 141 in Haor and remain 220 in Char area were screened at the end of the reporting period (July, 2018 -June,2022). Overall, the number of schools in plain area was 75.22 % of total schools screened.

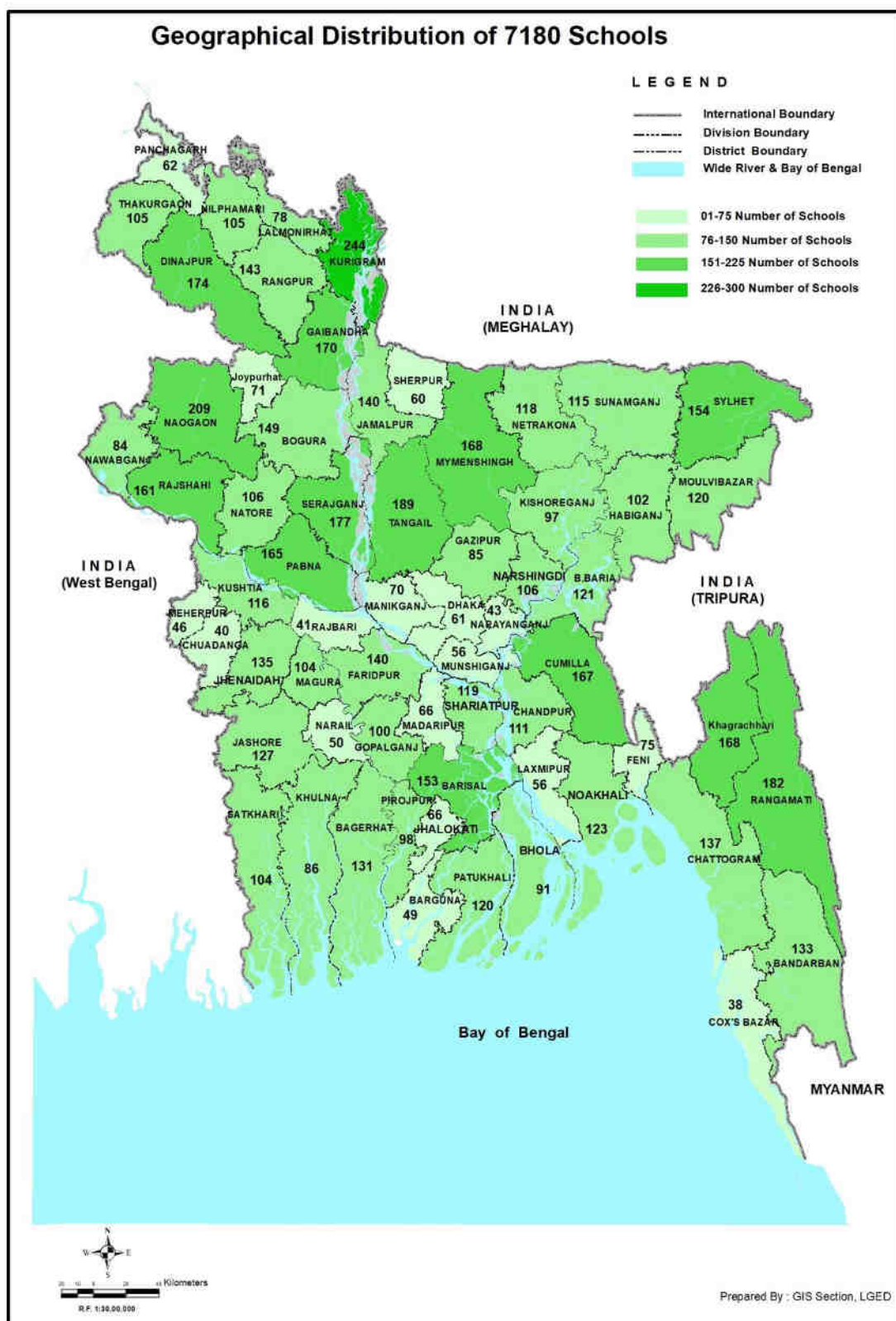
Table-4 Type of School (Cumulative) based on location

Sl.No .	School Type based on location	No. of School(July,2018 - June,2022) No (School)
1	Normal (Plain)	5401
2	Hilly	295
3	Coastal	1123
4	Char (River bed)	220
5	Haor	141
Total		7180

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



C) **Geographical distribution of School:** The district wise geographical distribution of 7180 schools undertaken for construction is presented in a map given below:



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 indicator.

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 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:

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.

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.

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.

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.

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 stockpile as and when required.

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.

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-5: Mitigation/ benefit enhancement measures have been done

Environmental Issues/Impacts	Mitigation/Enhancement Measures
Location and disruption of earth surface	Disruptions of earth surface have been kept minimal for smooth implementation of work at construction site.
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.
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.
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.
Tree Plantation	Trees were planted in proper place around the boundary of school campus. Indigenous plants were got priority for plantation.
Environmental risks	Standard planning and designs were ensured by LGED.
Wash Block	Wash block were provided for the workers, teachers and students. Toilets for male and female students were separated.

Additional Mitigation Measures:

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

- a. In case of demolition of any existing building, great care was taken to avoid any accident. All precautions in this regard are undertaken 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. 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;
- k. Undesirable noise was avoided by confining the source of noises. The *khoa* breaking machine should be avoided and manual breaking was adopted. In no case such machine was allowed to operate at night;

Furthermore, 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 instantaneously 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 (Jan.-June'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:

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.

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.

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.

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.

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. Thus 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 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 nine complains. LGED already instructed the concerned Upazila Engineers to take proper measures and report accordingly. In the meantime all issues have been solved and addressed.

Table 6: Complaints status of the reporting period (up to June 2022)

Sl. no	Complaint or Affected Persons	Location and Date of Complaint	Description of Grievance/ Complaint	Timeline	Time-bound Corrective Actions taken by PMU
1	Rajpasha GPS Complain came through "The Daily Vorer Kagoj"	Vandaria, Pirojpur Date: 10/01/2022	Demand of new school building.	LGED constructs the additional classroom under PEDP4 after getting school list from DPE.	LGED already sent it to DPE for taking onward action.
2	Ayashabag GPS Complain came through "The Vorer Dak"	Charfashon, Bhola. Date: 13/01/22	Demand of new school building to replace dilapidated one.	Do	Do
3	Galua	Rajapur,	Poor quality of	Defects have	Complain has

Sl. no	Complaint or Affected Persons	Location and Date of Complaint	Description of Grievance/ Complaint	Timeline	Time-bound Corrective Actions taken by PMU
	Durgapur GPS Complain came through "The Naya Digonto"	Jhalokhathi Date: 14/02/2022	construction work.	been rectified.	been solved.
4	Palikadoa GPS Complain came through "The Manob Kantha"	Joypurhat Sadar Date:12/04/2022	Dispute over the school land.	LGED is not concerned with the land issue.	The issue has been forwarded to DPE.
5	Chithulia GPS Complain came through "The Daily Jugantor"	Gaibandha Sadar Date: 8/5/2022	School building has been eroded into the river.	LGED undertook an inquiry and observed that the old dilapidated school has been eroded into the river which is not constructed under PEDP4.	The report has been provided to DPE.
6	Khamar Tabakpur GPS Complain came from SMC	Ulipur, Kurigram Date: 23/02/2022	Defects have been observed in the school floor.	Defects have been rectified.	Complain has been solved.
7	Shahaparir Dip GPS Complain came through "The Vorer Dak"	Teknaf, Chottogram Date: 01/06/2022	Demand of new building to replace the dilapidated one.	LGED constructs the additional classroom under PEDP4 after getting school list from DPE.	LGED already sent it to DPE for taking onward action.
8	47 No. Thakurerhat GPS	Doshmina, Pathuakhali Date: 02/04/22	Demand of new building to replace the dilapidated one.	Do	Do
9	Kamat Angaria GPS Complain came through "The Kaler Khantha"	Kurigram Sadar Date: 01/06/2022	Complain on auction procedures of dilapidated old school building.	LGED undertook an inquiry and found the auction was done properly maintaining all required procedures.	Complain has been solved

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. LGED does not use any specified form.

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 campus.

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 3453 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 already instructed the concerned Upazila Engineers to fill up the check list properly and uploaded in the PEIMS software without fail and also UEs are asked to take appropriate measures so that contractors should comply the environmental safeguard issues properly who are still lagged behind.

As the volume of sub project is near about above 4000 which is huge. So it is difficult figure out in tabular format.

Table 7: 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	3279	174	Upazila Engineers (UEs) have been instructed to erect required sanitary toilets at work site through concerned

Sl.No.	Categories of potential environmental issues	Followed (PEIMS monitoring software and physical verification)	Not followed	Remarks/ Possible mitigation measures
	sanitation system.			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.	3338	115	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 at the site for any accident.	3347	106	Upazila Engineers have been 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.	3298	155	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.	3256	197	UEs have been asked to take measures for stacking materials properly.
6.	The contractor will not engage any child labor in the work.	3453	-	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.	3239	214	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.	3256	197	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.	3249	204	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.	3236	217	UEs have been instructed not to cut tree without observing existing rules and procedures.

Tabulate the monitoring visit carried out during the reporting period as per the following format.

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.

It is noted that as the number of sub project under reporting is more than 4000 which is huge. So it is difficult to figure out the required information in a tabular format; therefore, LGED's implementation, supervision and monitoring mechanisms have been elaborated above.

Table 8: List of monitoring visit during the reporting period

Name of subproject	Location of Construction Site	Date of Inspection

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. In 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 community.

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. Presently, LGED does not maintain the required information at the PEIMU level; therefore, consultation mechanisms have been elaborated above.

Table 9: Consultation meetings held during Jan to Jun 2022

Consultation Date	Location	Issue	No. Participants	Remark

Elaboration/description of consultation meetings are given in Semi-annual Environmental Monitoring Report-vi. As the volume of sub project is near about above 4000 which is huge. So it is difficult figure out in tabular format.

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

Monitoring Criteria	Progress Reporting			Status/Remarks
	(Jan.-June, 2022)/ (Current Report-VI)	Previous report (July, 2018-Dec, 2021)	Cumulative Progress	
No. of Contract Awarded including EMP	791	4739	5530	Different stage of construction
No. of Contract that Incorporated Environmental Clauses	791	4739	5530	Environmental Clauses have been incorporated in all contracts.
No. of trees cut down	1302	176	1478	
No. of trees planted	1533	2057	3590	
Budget used for OHS	-	-	-	
No. of School for which water logging problem solved.	18	31	49	

Table 11: Details of tree planation as of June 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 June 22)	Trees planted (as of June 22)	Types of species planted	Plantation completion status	Survival status	Remarks
Yes	1302	1533	1478	3590	Mango, Jackfruit, Litchi, wood apple, Black berry, Citrus, Guava, Neem, Arjun, Haritoki, Bohera, Amla, Chandan, Olive, Alamond, 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 (Appendix: 3)

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 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: Safeguard personnel in PEDP-4

Name	Organization and Designation	Email Address	Contact no.	Remarks
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	
Bimol Kumar Biswas	LGED, Assistant Engineer	bkrbiswaslged@gmail.com	01711184552	

Other than 1028 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 implementation already included in BoQ and contract. 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 also fulfilled the demand of additional rooms of the institutions.

15. Recommendation:

The following time bound corrective measures to be carried out in the reporting period. This should be action plan for next-report (July-December,2022).

Time bound Corrective Action Plan (CAP)

Sl. no.	Issue	Recommended action	Monitoring method	Time to achieve
1.	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
2.	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
3.	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
4.	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
5.	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
6.	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
7.	Drinking water	Contractor will ensure supply of pure drinking water	Contractor implements the task. LGED mainly Upazila Engineer including his technical staff supervises and check during inspection.	July-Nov, 2022
8.	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
9.	Personal protection	Contractor will supply personal	Contractor implements the task. LGED mainly Upazila Engineer including his	July-Oct, 2022

Sl. no.	Issue	Recommended action	Monitoring method	Time to achieve
	equipment	protection equipment	technical staff supervises and check during inspection.	
10.	Plantation	Plantation will be done where necessary.	Contractor implements the task. Upazila Engineer along with his technical staff and SMC will supervise.	July-Nov, 2022
11.	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
12.	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
13.	Hilly area	School building will be set up considering local materials	LGED mainly Upazila Engineer and SMC implement the task.	July-Dec, 2022
14.	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
15.	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
16.	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
17.	Temperature Screening of construction supervisor and workers	Thermometer will be kept at work site for screening the temperature of construction supervisor and workers	Contractor implements the task. LGED mainly Upazila Engineer including his technical staff supervises and check during inspection.	July-Nov, 2022
18.	Raise Covid-19 related awareness	Awareness of work supervisor and workers will be raised.	Contractor and LGED mainly Upazila Engineer including his technical staff provide awareness motivation to work supervisor and workers.	July-Dec, 2022
19.	Reduce work-related travels.	Work related travel will be reduced based on work load.	Reduced work related travel.	July-Dec, 2022

Appendices

Appendix 1: Sub-project photograph of ongoing construction works


Photography of some construction works are given below:

PEDP-4 এর আওতায় নির্মিতব্য কুখা পাড়া সরকারী প্রাথমিক বিদ্যালয়ের স্থির চিত্র


উপজেলা : নীলফামারী সদর

জেলা : নীলফামারী।




২৫.০৫.২২

মোঃ আনবারুলকরিম
উপ-সাহকারী প্রকৌশলী
এসজিইডি, নীলফামারী সদর।


২৩/০৫/২০২২

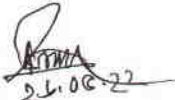
নূর উদ্দিন আহমেদ
উপজেলা প্রকৌশলী
সদর, নীলফামারী।

PEDP-4 এর আওতায় নির্মিতব্য কুখা পাড়া সরকারী প্রাথমিক বিদ্যালয়ের স্থির চিত্র

উপজেলা : নীলফামারী সদর

জেলা : নীলফামারী।




১৬.০৫-২২
মোঃ আব্দুল আজ্জামান
উপ-সহকারী প্রকৌশলী
এলজিইডি, নীলফামারী সদর।


২৬/০৫/২০২২
নূর উদ্দিন আহমেদ
উপজেলা প্রকৌশলী
সদর, নীলফামারী।

PEDP-4 এর আওতায় নির্মিতব্য কুখা পাড়া সরকারী প্রাথমিক বিদ্যালয়ের স্থির চিত্র

উপজেলা : নীলফামারী সদর

জেলা : নীলফামারী।




২৬.০৫.২২

মোঃ আব্দুল আজ্জামান
উপ-সহকারী প্রকৌশলী
এসজিইডি, নীলফামারী সদর।



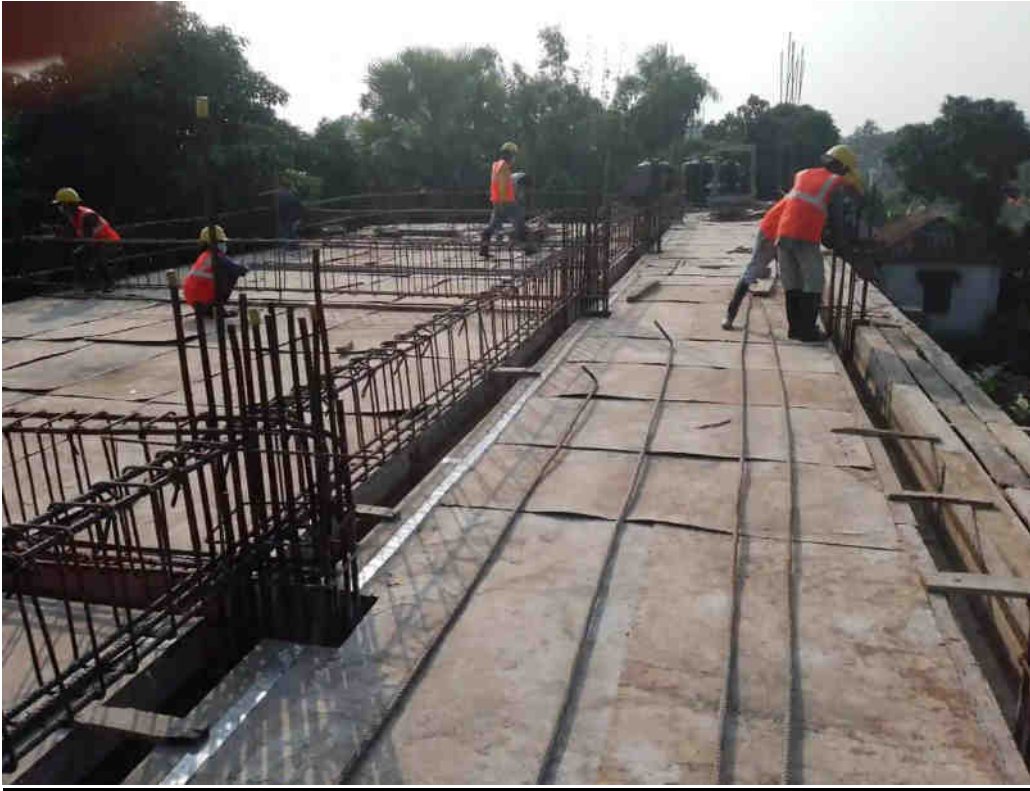
মুহাঃ জাকির হোসেন
উপজেলা প্রকৌশলী
সদর, নীলফামারী।

Construction works of Rohitpur Govt. Primary School, Keranigonj, Dhaka.









Construction works of Char Madhabdia Govt. Primary School, Faridpur Sadar, Faridpur:









Appendix 3: Filled up Environmental Screening Format

Appendix 3: Filled up Environmental Screening Format

Appendices

EMR | 1

Appendix-3: Environmental Screening of Subprojects:

Appendix-3.1: Sub-Project Identification for Construction of Classrooms

Name of the Work/School/Office : Kukha Para HPS.

Name of the District : Nilphamari.

Name of the Upazila, Union & Village : Nilphamari-5, ward no-06, Pourashova, Kukhapan.

EMIS Code of the School : 91104051002.

Appendix-3.2: Proposed Activities As Per Preliminary Scheme Design

Title of Activities	Description of Proposed Activities (Length, width, area, volume, height in feet etc.)	Remarks
Land Development	0 x 0 x 0	No need
Construction of main school building (extension)	93' x 0" x 29'-0" x 0'-0"	Approved 3H+1V 4 storied foundation.
Construction of boundary wall	420' x 0 x 0	Need for future Development
Construction of internal Roads	0 x 0 x 0	No Need
Construction of water supply and sanitary latrine	16 x 14 x 0	Wash Block done by DPHE

Appendix- 1.4:

ENVIRONMENTAL SCREENING FOR EXTENSION/RECONSTRUCTION OF SCHOOL & OFFICE BUILDINGS

Project Name: Fourth Primary Education Development Program (PEDP4)

Date of Screening: 26.05.2024

Category of component based on environmental regulations of the Government of Bangladesh:

Name of School : Kukha Para G.P.S.
 District : Nilphamari.
 Upazila : Nilphamari-5.
 Union : Pouroshova.
 Village : Kukha Para.
 Type of Subproject : Construction of Additional classrooms.

Major Activities of the Subproject:

Screening Questions	Yes	No	Impact Scale (-6~0~+6)	If "Yes", Please Provide Remarks
A. Subproject Siting Is				
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. Potential Environmental Impacts Will the subproject Cause				
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				

Screening Questions	Yes	No	Impact Scale (-6~0~+6)	If "Yes", Please Provide Remarks
hydrology?		NO	0	
Is adequate water supply to school available?	Yes		3	Adequate
Increased noise due to day-to-day construction activities?	Yes		-2	Mitigated by changing work process.
Is there any dust / air pollution during construction phase?	Yes		-1	Mitigated by changing work process
Will there be waste generation when construction works are going on?	Yes		-1	Mitigated by changing work process.
C. Other Potential Impacts				
Will the subproject cause?				
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 safety Measures
D. Potential Positive Environmental Impacts.				
Improved sanitation and personal hygiene.	Yes		3	Achieved through toilets construction.
Enhanced quality of school environment.	Yes		4	Achieved through add. class room construction.
Employment generation for local people during construction period.	Yes		4	Achieved thorough local workers involvement.
E. Environmental assessment category as per GOB				
What is the environment assessment category (DDR or IEE) as per ECA-97 and ECR 97 of GOB and ADB's SPS ?	Yes		6	As per DOE(ECA & ECR 97), Category Orange A & ADB, Category-C.
Will project enhance quality of education?	Yes		3	Achieved thorough construction of Additional class room.
Score Total				

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.

Type of Environmental Assessment to be undertaken:

Completed by: Md. Akhtaruzzaman

AK
26.05.22

Designation: SAE

মোঃ আখতারুজ্জামান
উপ-সহকারী প্রকৌশলী
এলজিইডি, নীলফামারী সদর।

Filled and signed by LGED/DPHE Assistant Engineer:

Name: Noor Uddin Ahmed, U.E. LGED, Sadar, Nilphamari.

Date: 26.05.22

NU
26/05/2022

Reviewed and signed by LGED/DPHE Executive Engineer:

Name: Sujan Kumar Kar, XEN, LGED

Date: 26.05.22

সুজন কুমার আহমেদ
উপজেলা প্রকৌশলী
সদর, নীলফামারী।

Date of Screening: 26.05.22 School Code: 91104051002 School Name: KUKHAPARA G.P.S

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		done by Contractor
The contractor will ensure supply of pure drinking water to the workers during the time of construction.	Yes		done by Contractor
The contractor will keep a first aid box at the site for any accident.	Yes		done by contractor
The contractor will take necessary precaution for the safety of his workers and also for the safety of the pedestrians.	Yes		done by Contractor
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		done by Contractor
The contractor will not engage any child labor in the work.	Yes		No child labor is engaged
contractor will not pollute any nearby source of surface water by any of their activities.	Yes		No surface water is polluted
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		Contractor is taking necessary steps to minimize sound pollution
The contractor will engage local people in the work as far as possible. The vulnerable destitute women should get preference.	Yes		local people are engage in the work by Contractor
The contractor will not hamper the drainage network of the area by any of their activity.	Yes		No drainage network is hampered
The contractor will not cut or damage any tree in and around the project area without the permission of the supervising authority.	Yes		No tree has been cut or damaged
The contractor will take every initiative to reduce dust emission during the construction work i.e sprinkling of water on the dust etc.	Yes		Necessary steps have been taken by contractor
contractor will not set any temporary burner under any tree.	Yes		Contractor is aware of this
If required, the contractor will collect filling earth from existing ditches, ponds and fallow lands to avoid land loss.		Yes	No filling earth is collected
No of Women Labour working in the sub-project	Yes		About 4 Nos. of women are working

Annexed B: Filled in Social Screening Format

Local government officials, civil society representatives and others who have interests in the school.

A. General Information	
Name of School: <i>Kukha Para G.P.S</i>	
<input checked="" type="checkbox"/> Existing School	<input type="checkbox"/> New School
Union: <i>Pouposhova</i>	Ward Name & No: <i>Kuhapara 06</i>
Upazila: <i>Nilphamari - 9.</i>	District: <i>Nilphamari.</i>
Screening Date: <i>26.05.2022</i>	
Names of Persons Participated in Screening: <i>Md. Akhtaruzzaman, SAE, LAED.</i>	
DPE Staff: <i>Md. Enamul Haque Sarkar, UEO, Nilphamari, Sadar.</i>	
Local Government Representatives: <i>Md. Azimul Islam, Member, Pouposhova</i>	
Community Members: <i>Md. Nuruzzaman Bulet, President, SMC.</i>	
B. Social Safeguard Information	
The Scheme is located in an area (UP, or Ward or part of a Ward) where residents are:	
<input type="checkbox"/> All mainstream or non-indigenous/tribal peoples	
<input type="checkbox"/> All indigenous/tribal peoples	
<input checked="" type="checkbox"/> Majority mainstream or non-indigenous/tribal peoples	
<input type="checkbox"/> Majority indigenous/tribal peoples	
Scope of work: <input type="checkbox"/> Improvements on Existing School <input type="checkbox"/> Construction of New School	
Existing Schools:	
Toilets	Number: <i>1</i> Total Land Area (Decimal/Square feet): <i>150 sqft</i>
Required Land Belongs to:	<input type="checkbox"/> School <input type="checkbox"/> Private Owners
	<input type="checkbox"/> Others (Name):
Additional Class Room	Number: <i>4</i> Total Land Area (Dec/Sft): <i>1.52 Acre</i>
Required Land Belongs to:	<input checked="" type="checkbox"/> School <input type="checkbox"/> Private Owners
	<input type="checkbox"/> Others (Name):
<input type="checkbox"/> Other means (Describe):	
Remarks if any about land availability:	

Dormitory (CHT):	Capacity (# of students):	Total land area (decimals):
Required Land is	<input 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):	
If Require Lands are Private, they are Presently Used for.	<input type="checkbox"/> Agriculture	No. of land owners/users:
	<input type="checkbox"/> Residential Purposes	No. of household living on them:
	<input type="checkbox"/> Business Purposes	No. of persons using the lands:
	<input type="checkbox"/> Other Purposes	No. of persons using the lands:
	Name Purpose:	
If Require Lands are Private, they are Presently Used for.	<input type="checkbox"/> Agriculture	No. of land owners/users:
	<input type="checkbox"/> Residential Purposes	No. of household living on them:
	<input type="checkbox"/> Business Purposes	No. of persons using the lands:
	<input type="checkbox"/> Other Purposes	No. of persons using the lands:
	Name Purpose:	
New School	<input type="checkbox"/> Without Cyclone Shelter & Dormitory	Total Land Area (decimals):
	<input type="checkbox"/> With Cyclone Shelter	Total Land Area (decimals):
	<input type="checkbox"/> With Dormitory	Total Land Area (decimals):
Required Land Belongs to:	<input type="checkbox"/> School <input type="checkbox"/> Private Owners	<input type="checkbox"/> Land Ministry (Khas)
	<input type="checkbox"/> Other Ministries (Name):	
	<input type="checkbox"/> Other Entities (Name):	
If Require Lands are Private, they are Presently Used for.	<input type="checkbox"/> Agriculture	No. of land owners/users:
	<input type="checkbox"/> Residential Purposes	No. of household living on them:
	<input type="checkbox"/> Commercial Purposes	No. of persons using the lands:
	<input type="checkbox"/> Other Purposes	No. of persons using the lands:
	Name Purpose:	
If Require Lands are Public, they are Presently Used for.	<input type="checkbox"/> Agriculture	No. of land persons using the lands:
	<input type="checkbox"/> Residential Purposes	No. of household using the lands:
	<input type="checkbox"/> Commercial Purposes	No. of persons using the lands:
	<input type="checkbox"/> Other Purposes	No. of persons using the lands:
	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: <i>Not Applicable.</i>		

C. ADDITIONAL INFORMATION ON SMALL ETHNIC COMMUNITIES (SEC) (In Addition to the information Sought Under Section B)	
Name 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:	
<input type="checkbox"/> Legal ownership	Number of SEC Persons/households:
<input type="checkbox"/> Customary Rights	Number of SEC Persons/households:
<input type="checkbox"/> Lease agreements with the Government	Number of SEC Persons/households:
<input type="checkbox"/> 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)	N/A
(b)	
(c)	
The following are the social concerns expressed by SEC community and organizations:	
The SEC Community and organizations perceive the social outcomes of the scheme:	
<input type="checkbox"/> Positive	<input type="checkbox"/> Negative <input type="checkbox"/> Neither Positive nor Negative
In respect of the social impacts and concerns, is there a need to undertake an additional impact assessment study.	
<input type="checkbox"/> Yes	<input type="checkbox"/> No

Prepared by (Name and Designation)

Md. Akhtaruzzaman .
SAE, LAED, Nilphamari-I

(A DPE Staff should fill in this form)

Signature: _____

26/05/2022

মুন্সুর উদ্দিন আহমেদ
ডিপেজেন্ডেbla প্রকৌশলী
সদর, নীলফামারী।

APPENDIX -2: TEMPLATE FOR ENVIRONMENTAL MANAGEMENT PLAN (EMP)

Appendix-2.1: Mitigating/Enhancement Plan for Environmental Impacts (During Construction)

Environmental Issues/Impacts Requiring Mitigation	Mitigation/ Enhancement Measures	Implementation by	Supervision by
Noise pollution	Mitigated by the change of working procedures implement through the construction.	Concerned Contractor	VE
Air pollution	Mitigated by frequent sprinkling of water at site	Concerned Contractor	VE

Note: The above Table Should be filled with the help of Table 2 of the EMF Report.

Appendix-2.2: Mitigating/Enhancement Plan for Environmental Impacts (During Operation)

Environmental Issues/Impacts Requiring Mitigation	Mitigation/ Enhancement Measures	Implementation by	Supervision by
waste management	By Regular cleaning	DPHE staff	DPE

Note: The above Table Should be filled with the help of Table 3 of the EMF Report.

Appendix-2.3: Environmental Monitoring Plan (During Construction Stage)

Environmental Issues/Impacts to be Monitored	Monitoring Indicators	Location	Frequency	Implementation by	Monitoring by
Noise pollution	physical	Around site	All the time of construction	Concerned Contractor	VE
Air pollution	physical	Project site	All the time of construction	Concerned Contractor	VE

Note: The above Table Should be filled with the help of Table 5 of the EMF Report.

Appendix-2.4: Environmental Monitoring Plan (During Operation Stage)

Environmental Issues/Impacts to be Monitored	Monitoring Indicators	Location	Frequency	Implementation by	Monitoring by
Waste management	physical	School Campus	Regularly	DPE staff	DPE

Note: The above Table Should be filled with the help of Table 6 of the EMF Report.

Appendix-3: Environmental Screening of Subprojects

Appendix-3.1: Sub-Project Identification for Construction of Classrooms

Name of the Work/School/Office : Laxmichup Purba Danga Para GPS.
 Name of the District : Nilphamari.
 Name of the Upazila, Union & Village : Sadaro, Laxmichup, Purba Danga Para.
 EMIS Code of the School : 70 059209

Appendix-3.2: Proposed Activities As Per Preliminary Scheme Design

Title of Activities	Description of Proposed Activities (Length, width, area, volume, height in feet, etc.)	Remarks
Land Development	N/A	N/A
Construction of main school building (extension)	64'-00" x 31'-4" x 30'-0"	Room with Stair.
Construction of boundary wall	350'-0" x 0'-0" x 0' x 0" -	Boundary wall Need for future development.
Construction of internal Roads	0 x 0 x 0	No need.
Construction of water supply and sanitary latrine	20'-0" x 25'-0" x 20'-0"	Wash Block done by DPHE

Appendix- 1.4:

ENVIRONMENTAL SCREENING FOR EXTENSION/RECONSTRUCTION OF SCHOOL & OFFICE BUILDINGS

Project Name: Fourth Primary Education Development Program (PEDP4)

Date of Screening: 26.05.2022

Category of component based on environmental regulations of the Government of Bangladesh:

Name of School : Laxmichup purbo danga Para Gps.

District : Nilphamari.

Upazila : Nilphamari Sadar.

Union : Laxmichup.

Village : Purbo danga para .

Type of Subproject :

Major Activities of the Subproject:

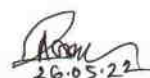
Screening Questions	Yes	No	Impact Scale (-6~0~+6)	If "Yes", Please Provide Remarks
A. Subproject Siting Is				
Is the subproject area adjacent to or within any of the following environmentally sensitive areas?		NO	0	
Protected Area		NO	0	
Wetland		NO	0	
Unstable slope, landslide, erosion area		NO	0	
Disaster prone area (e.g. flood, cyclone, storm surge)		NO	0	
B. Potential Environmental Impacts Will the subproject Cause				
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				

Screening Questions	Yes	No	Impact Scale (-6~0~+6)	If "Yes", Please Provide Remarks
hydrology?		NO	0	
Is adequate water supply to school available?	Yes		3	Adequate
Increased noise due to day-to-day construction activities?	Yes		-2	Mitigated by changing Work Process.
Is there any dust / air pollution during construction phase?	Yes		-1	Mitigated by changing Work Process
Will there be waste generation when construction works are going on?	Yes		-1	Mitigated by changing Work Process.
C. Other Potential Impacts				
Will the subproject cause?				
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 safety Measures
D. Potential Positive Environmental Impacts.				
Improved sanitation and personal hygiene.	Yes		3	Achieved through toilets construction.
Enhanced quality of school environment.	Yes		4	Achieved through add. classroom construction.
Employment generation for local people during construction period.	Yes		4	Achieved through local workers involvement.
E. Environmental assessment category as per GOB				
What is the environment assessment category (DDR or IEE) as per ECA-97 and ECR 97 of GOB and ADB's SPS ?	Yes		6	As per DOE(ECA & ECR 97), Category Orange A & ADB, Category- C.
Will project enhance quality of education?	Yes		3	Achieved thorough construction of Additional class room.
Score Total				

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.

Type of Environmental Assessment to be undertaken:

Completed by: Md. Akhtaruzzaman


26.05.22

Designation: SAE

মোঃ আখতারুজ্জামান
উপ-সহকারী প্রকৌশলী
এক্সিকিউটিভ, নীলফামারী সদর।

Filled and signed by LGED/DPHE Assistant Engineer:

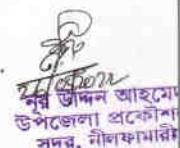
Name: Noor Uddin Ahmed, U.E. LGED, Sadar, Nilphamari.

Date: 26.05.22

Reviewed and signed by LGED/DPHE Executive Engineer:

Name: Sujan Kumar Kar, XEN, LGED

Date: 26.05.22


নূর উদ্দিন আহমেদ
উপজেলা প্রকৌশল
সদর, নীলফামারী

Date of Screening: 26.05.22 School Code: 70053209 School Name: Laxmichup purbodarga

Pravin
G.S

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		done by Contractor
The contractor will ensure supply of pure drinking water to the workers during the time of construction.	Yes		done by Contractor
The contractor will keep a first aid box at the site for any accident.	Yes		done by contractor
The contractor will take necessary precaution for the safety of his workers and also for the safety of the pedestrians.	Yes		done by Contractor
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		done by Contractor
The contractor will not engage any child labor in the work.	Yes		No child labor is engaged
contractor will not pollute any nearby source of surface water by any of their activities.	Yes		No surface water is polluted
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		Contractor is taking necessary steps to minimize sound pollution
The contractor will engage local people in the work as far as possible. The vulnerable destitute women should get preference.	Yes		local people are engage in the work by Contractor
The contractor will not hamper the drainage network of the area by any of their activity.	Yes		No drainage network is hampered
The contractor will not cut or damage any tree in and around the project area without the permission of the supervising authority.	Yes		No tree has been cut or damaged
The contractor will take every initiative to reduce dust emission during the construction work i.e sprinkling of water on the dust etc.	Yes		Necessary steps have been taken by contractor
contractor will not set any temporary burner under any tree.	Yes		Contractor is aware of this
If required, the contractor will collect filling earth from existing ditches, ponds and fallow lands to avoid land loss.		Yes	No filling earth is collected
No of Women Labour working in the sub-project	Yes		About 4 Nos of women are working

4

Annexed B: Filled in Social Screening Format

Local government officials, civil society representatives and others who have interests in the school.

A. General Information		
Name of School: <i>Laxmichup Donga Para.</i>		
<input checked="" type="checkbox"/> Existing School	<input type="checkbox"/> New School	
Union: <i>Laxmichup</i>	Ward Name & No: <i>5</i>	
Upazila: <i>Nilphamari-S.</i>	District: <i>Nilphamari.</i>	
Screening Date: <i>26.05.22</i>		
Names of Persons Participated in Screening: <i>Md. Akhtuzzaman, SAE, LGED.</i>		
DPE Staff: <i>Md. Enamul Haque Sarkar, UPO, Nilphamari Sadar.</i>		
Local Government Representatives: <i>Md. Amikur Rahman, Chairman Laxmichup.</i>		
Community Members: <i>Sree Durlov Chandra Roy, President, SMC.</i>		
B. Social Safeguard Information		
The Scheme is located in an area (UP, or Ward or part of a Ward) where residents are:		
<input type="checkbox"/> All mainstream or non-indigenous/tribal peoples		
<input type="checkbox"/> All indigenous/tribal peoples		
<input checked="" type="checkbox"/> Majority mainstream or non-indigenous/tribal peoples		
<input type="checkbox"/> Majority indigenous/tribal peoples		
Scope of work: <input type="checkbox"/> Improvements on Existing School <input type="checkbox"/> Construction of New School		
Existing Schools:		
Toilets	Number: <i>2</i>	Total Land Area (Decimal/Square feet): <i>260 Sq Ft</i>
Required Land Belongs to:	<input type="checkbox"/> School	<input type="checkbox"/> Private Owners
	<input type="checkbox"/> Others (Name):	
Additional Class Room	Number: <i>5</i>	Total Land Area (Dec/Sft): <i>47 Dec.</i>
Required Land Belongs to:	<input checked="" type="checkbox"/> School	<input type="checkbox"/> Private Owners
	<input type="checkbox"/> Others (Name):	
<input type="checkbox"/> Other means (Describe):		
Remarks if any about land availability:		

Dormitory (CHT):	Capacity (# of students):	Total land area (decimals):
Required Land is	<input 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):		
If Require Lands are Private, they are Presently Used for.	<input type="checkbox"/> Agriculture	No. of land owners/users:
	<input type="checkbox"/> Residential Purposes	No. of household living on them:
	<input type="checkbox"/> Business Purposes	No. of persons using the lands:
	<input type="checkbox"/> Other Purposes	No. of persons using the lands:
Name Purpose:		
If Require Lands are Private, they are Presently Used for.	<input type="checkbox"/> Agriculture	No. of land owners/users:
	<input type="checkbox"/> Residential Purposes	No. of household living on them:
	<input type="checkbox"/> Business Purposes	No. of persons using the lands:
	<input type="checkbox"/> Other Purposes	No. of persons using the lands:
Name Purpose:		
New School	<input type="checkbox"/> Without Cyclone Shelter & Dormitory	Total Land Area (decimals):
	<input type="checkbox"/> With Cyclone Shelter	Total Land Area (decimals):
	<input type="checkbox"/> With Dormitory	Total Land Area (decimals):
Required Land Belongs to:	<input type="checkbox"/> School <input type="checkbox"/> Private Owners	<input type="checkbox"/> Land Ministry (Khas)
	<input type="checkbox"/> Other Ministries (Name):	
	<input type="checkbox"/> Other Entities (Name):	
If Require Lands are Private, they are Presently Used for.	<input type="checkbox"/> Agriculture	No. of land owners/users:
	<input type="checkbox"/> Residential Purposes	No. of household living on them:
	<input type="checkbox"/> Commercial Purposes	No. of persons using the lands:
	<input type="checkbox"/> Other Purposes	No. of persons using the lands:
Name Purpose:		
If Require Lands are Public, they are Presently Used for.	<input type="checkbox"/> Agriculture	No. of land persons using the lands:
	<input type="checkbox"/> Residential Purposes	No. of household using the lands:
	<input type="checkbox"/> Commercial Purposes	No. of persons using the lands:
	<input type="checkbox"/> Other Purposes	No. of persons using the lands:
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: Not Applicable.		

C. ADDITIONAL INFORMATION ON SMALL ETHNIC COMMUNITIES (SEC) (In Addition to the information Sought Under Section B)	
Name 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:	
<input type="checkbox"/> Legal ownership	Number of SEC Persons/households:
<input type="checkbox"/> Customary Rights	Number of SEC Persons/households:
<input type="checkbox"/> Lease agreements with the Government	Number of SEC Persons/households:
<input type="checkbox"/> 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)	
N/A	
(b)	
(c)	
The following are the social concerns expressed by SEC community and organizations:	
The SEC Community and organizations perceive the social outcomes of the scheme:	
<input type="checkbox"/> Positive	<input type="checkbox"/> Negative
<input type="checkbox"/> Neither Positive nor Negative	
In respect of the social impacts and concerns, is there a need to undertake an additional impact assessment study.	
<input type="checkbox"/> Yes	<input type="checkbox"/> No

Prepared by (Name and Designation)

Md. Akhtaruzzaman
SAE, LGED, Nilphamari-5.

(A DPE Staff should fill in this form)

Signature: _____


 নূর উজ্জ্বল আহমেদ
 উল্লেখ্য পরিকল্পনা
 জমদ, মৌলভীবাজার।

APPENDIX -2: TEMPLATE FOR ENVIRONMENTAL MANAGEMENT PLAN (EMP)

Appendix-2.1: Mitigating/Enhancement Plan for Environmental Impacts (During Construction)

Environmental Issues/Impacts Requiring Mitigation	Mitigation/ Enhancement Measures	Implementation by	Supervision by
Noise Pollution	Mitigated by the change of working procedure implement through the contractor.	Concerned Contractor	VE
Air Pollution	Mitigated by frequent sprinkling of water at site	Concerned Contractor	VE

Note: The above Table Should be filled with the help of Table 2 of the EMF Report.

Appendix-2.2: Mitigating/Enhancement Plan for Environmental Impacts (During Operation)

Environmental Issues/Impacts Requiring Mitigation	Mitigation/ Enhancement Measures	Implementation by	Supervision by
waste management	By regular cleaning	DPHE staff	DPE

Note: The above Table Should be filled with the help of Table 3 of the EMF Report.

Appendix-2.3: Environmental Monitoring Plan (During Construction Stage)

Environmental Issues/Impacts to be Monitored	Monitoring Indicators	Location	Frequency	Implementation by	Monitoring by
Noise Pollution	physical	Project site	All the time of operation	Concerned Contractor	VE
Air Pollution	physical	Project site	All the time of construction	Concerned Contractor	VE

Note: The above Table Should be filled with the help of Table 5 of the EMF Report.

Appendix-2.4: Environmental Monitoring Plan (During Operation Stage)

Environmental Issues/Impacts to be Monitored	Monitoring Indicators	Location	Frequency	Implementation by	Monitoring by
waste management	physical	School Campus	Regularly	DPE staff	DPE

Note: The above Table Should be filled with the help of Table 6 of the EMF Report.

Appendix-3: Environmental Screening of Subprojects:

Appendix-3.1: Sub-Project Identification for Construction of Classrooms

Name of the Work/School/Office : 11 No. Char Madhabdia.
 Name of the District : Faridpur.
 Name of the Upazila, Union & Village : Faridpur Sadar, Char madhabdia, Eja Dwigapur.
 EMIS Code of the School : 91314010106.

Appendix-3.2: Proposed Activities As Per Preliminary Scheme Design

Title of Activities	Description of Proposed Activities (Length, width, area, volume, height in feet etc.)	Remarks
Land Development	0 * 0 * 0	No Need.
Construction of main school building (extension)	0 * 0 * 0	Need for Future Development.
Construction of boundary wall	0 * 0 * 0	Under Construction
Construction of internal Roads	0 * 0 * 0	No Need.
Construction of water supply and sanitary latrine	0 * 0 * 0	No Need.

Appendix- 1.4:

ENVIRONMENTAL SCREENING FOR EXTENSION/RECONSTRUCTION OF SCHOOL & OFFICE BUILDINGS

Project Name: Fourth Primary Education Development Program (PEDP4)

Date of Screening: 07/09/2020

Category of component based on environmental regulations of the Government of Bangladesh:

Name of School : 11 No Charmodhabdia
 District : Faridpur.
 Upazila : Faridpur Sadar.
 Union : Charmodhabdia
 Village : Ejadurgapur.
 Type of Subproject : Construction of additional class room.

Major Activities of the Subproject:

Screening Questions	Yes	No	Impact Scale (-6~0~+6)	If "Yes", Please Provide Remarks
A. Subproject Siting Is				
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. Potential Environmental Impacts Will the subproject Cause				
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	

Screening Questions	Yes	No	Impact Scale (-6~0~+6)	If "Yes", Please Provide Remarks
Will there be any long-term impacts on local hydrology?		ND	0	
Is adequate water supply to school available?	Yes		3	Adequate
Increased noise due to day-to-day construction activities?	Yes		-2	Mitigated by changing work process
Is there any dust / air pollution during construction phase?	Yes		-1	Mitigated by changing work process
Will there be waste generation when construction works are going on?	Yes		-1	Mitigated by changing work process
C. Other Potential Impacts				
Will the subproject cause?				
Degradation or disturbance of historical or culturally important sites (mosque, graveyards, monuments etc.)?		ND	0	
Health risks to labors involved in activities?	Yes		-2	Mitigated by Safety measures
D. Potential Positive Environmental Impacts.				
Improved sanitation and personal hygiene.	Yes		3	Achieved through toilets construction.
Enhanced quality of school environment.	Yes		4	Achieved through classroom construction.
Employment generation for local people during construction period.	Yes		4	Achieved through local workers involvement
E. Environmental assessment category as per GOB				
What is the environment assessment category (DDR or IEE) as per ECA-97 and ECR 97 of GOB and ADB's SPS ?	Yes		6	As per DOE(ECA & ECR 97), Category Orange A & ADB, Category- C.
Will project enhance quality of education?	Yes		3	Achieved through construction of additional class room.
Score Total				

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.

Type of Environmental Assessment to be undertaken:

Completed by: AKM Shamsul Alam

Designation: Sub-Assistant Engineer

Filled and signed by LGED/DPHE Assistant Engineer:

Name: AKM. Shamsul Alam, SAE (Incharge UAE), Faridpur Sadar, Faridpur.

Date: _____

Reviewed and signed by LGED/DPHE Executive Engineer:

Name: K.M. Faruk Hossain, XEN, LGED, Faridpur

Date: 07/09/2020

09/09/20
মোহাম্মদ আজহারুল ইসলাম
উপসহকারী প্রকৌশলী
এলাজিউর, ফরিদপুর সদর, ফরিদপুর

Date of Screening:

School Code:

School Name:

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		done by Contractor
The contractor will ensure supply of pure drinking water to the workers during the time of construction.	Yes		done by Contractor
The contractor will keep a first aid box at the site for any accident.	Yes		done by contractor
The contractor will take necessary precaution for the safety of his workers and also for the safety of the pedestrians.	Yes		done by Contractor
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		done by Contractor
The contractor will not engage any child labor in the work.	Yes		No child labor is engaged
contractor will not pollute any nearby source of surface water by any of their activities.	Yes		No surface water is polluted
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		Contractor is taking necessary steps to minimize sound pollution
The contractor will engage local people in the work as far as possible. The vulnerable destitute women should get preference.	Yes		local people are engage in the work by Contractor
The contractor will not hamper the drainage network of the area by any of their activity.	Yes		No drainage network is hampered
The contractor will not cut or damage any tree in and around the project area without the permission of the supervising authority.	Yes		No tree has been cut or damaged
The contractor will take every initiative to reduce dust emission during the construction work i.e. sprinkling of water on the dust etc.	Yes		Necessary steps have been taken by contractor
contractor will not set any temporary burner under any tree.	Yes		Contractor is aware of this
If required, the contractor will collect filling earth from existing ditches, ponds and fallow lands to avoid land loss.		Yes	No filling earth is collected
No of Women Labour working in the sub-project	Yes		About 4 Nos. of women are working.

Annexed B: Filled in Social Screening Format

Local government officials, civil society representatives and others who have interests in the school.

A. General Information	
Name of School: <i>11 No Char madhabdia</i>	
<input checked="" type="checkbox"/> Existing School	<input type="checkbox"/> New School
Union: <i>Char madhabdia</i>	Ward Name & No: <i>07</i>
Upazila: <i>Fariapur Sadar</i>	District: <i>Fariapur</i>
Screening Date: <i>06/09/2020</i>	
Names of Persons Participated in Screening:	
DPE Staff: <i>MD. Mohiuddin Mia.</i>	
Local Government Representatives: <i>AKM. Shamsul Alam.</i>	
Community Members: <i>MD. Alauddin Mia, President.</i>	
B. Social Safeguard Information	
The Scheme is located in an area (UP, or Ward or part of a Ward) where residents are:	
<input type="checkbox"/> All mainstream or non-indigenous/tribal peoples	
<input type="checkbox"/> All indigenous/tribal peoples	
<input checked="" type="checkbox"/> Majority mainstream or non-indigenous/tribal peoples	
<input type="checkbox"/> Majority indigenous/tribal peoples	
Scope of work: <input type="checkbox"/> Improvements on Existing School <input type="checkbox"/> Construction of New School	
Existing Schools:	
Toilets	Number: <i>3</i> Total Land Area (Decimal/Square feet): <i>55</i>
Required Land Belongs to:	<input checked="" type="checkbox"/> School <input type="checkbox"/> Private Owners
	<input type="checkbox"/> Others (Name):
Additional Class Room	Number: <i>4</i> Total Land Area (Dec/Sft):
Required Land Belongs to:	<input checked="" type="checkbox"/> School <input type="checkbox"/> Private Owners
	<input type="checkbox"/> Others (Name):
<input type="checkbox"/> Other means (Describe):	
Remarks if any about land availability:	

Dormitory (CHT):	Capacity (# of students):	Total land area (decimals):
Required Land is	<input 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):		
If Require Lands are Private, they are Presently Used for.	<input type="checkbox"/> Agriculture	No. of land owners/users:
	<input type="checkbox"/> Residential Purposes	No. of household living on them:
	<input type="checkbox"/> Business Purposes	No. of persons using the lands:
	<input type="checkbox"/> Other Purposes	No. of persons using the lands:
Name Purpose:		
If Require Lands are Private, they are Presently Used for.	<input type="checkbox"/> Agriculture	No. of land owners/users:
	<input type="checkbox"/> Residential Purposes	No. of household living on them:
	<input type="checkbox"/> Business Purposes	No. of persons using the lands:
	<input type="checkbox"/> Other Purposes	No. of persons using the lands:
Name Purpose:		
New School	<input type="checkbox"/> Without Cyclone Shelter & Dormitory	Total Land Area (decimals):
	<input type="checkbox"/> With Cyclone Shelter	Total Land Area (decimals):
	<input type="checkbox"/> With Dormitory	Total Land Area (decimals):
Required Land Belongs to:	<input type="checkbox"/> School <input type="checkbox"/> Private Owners	<input type="checkbox"/> Land Ministry (Khas)
	<input type="checkbox"/> Other Ministries (Name):	
	<input type="checkbox"/> Other Entities (Name):	
If Require Lands are Private, they are Presently Used for.	<input type="checkbox"/> Agriculture	No. of land owners/users:
	<input type="checkbox"/> Residential Purposes	No. of household living on them:
	<input type="checkbox"/> Commercial Purposes	No. of persons using the lands:
	<input type="checkbox"/> Other Purposes	No. of persons using the lands:
Name Purpose:		
If Require Lands are Public, they are Presently Used for.	<input type="checkbox"/> Agriculture	No. of land persons using the lands:
	<input type="checkbox"/> Residential Purposes	No. of household using the lands:
	<input type="checkbox"/> Commercial Purposes	No. of persons using the lands:
	<input type="checkbox"/> Other Purposes	No. of persons using the lands:
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: <i>Not Applicable.</i>		

C. ADDITIONAL INFORMATION ON SMALL ETHNIC COMMUNITIES (SEC)
(In Addition to the information Sought Under Section B)

Name 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:

<input type="checkbox"/> Legal ownership	Number of SEC Persons/households:
<input type="checkbox"/> Customary Rights	Number of SEC Persons/households:
<input type="checkbox"/> Lease agreements with the Government	Number of SEC Persons/households:
<input type="checkbox"/> 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) N/A
(b)
(c)

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

Prepared by (Name and Designation)

AKM. Shamsul Alam
SAE (Incharge VAE)
LGIED, Faridpur Sadar, Faridpur.

(A DPE Staff should fill in this form)


07/9/20

Signature: _____

এ.কে.এম. সামসুল আলম
উপ-সহকারী প্রকৌশলী
কলকিত্তি, স্মার, কতিবপুর

APPENDIX -2: TEMPLATE FOR ENVIRONMENTAL MANAGEMENT PLAN (EMP)

Appendix-2.1: Mitigating/Enhancement Plan for Environmental Impacts (During Construction)

Environmental Issues/Impacts Requiring Mitigation	Mitigation/ Enhancement Measures	Implementation by	Supervision by
Noise Pollution	Mitigated by the change of working procedure implemented through the Contractor.	Concerned Contractor	UE
Air Pollution	Mitigated by frequent sprinkling of water at site	Concern Contractor	UE

Note: The above Table Should be filled with the help of Table 2 of the EMF Report.

Appendix-2.2: Mitigating/Enhancement Plan for Environmental Impacts (During Operation)

Environmental Issues/Impacts Requiring Mitigation	Mitigation/ Enhancement Measures	Implementation by	Supervision by
Waste Management	By regular clearing	DPHE staff	DPE

Note: The above Table Should be filled with the help of Table 3 of the EMF Report.

Appendix-2.3: Environmental Monitoring Plan (During Construction Stage)

Environmental Issues/Impacts to be Monitored	Monitoring Indicators	Location	Frequency	Implementation by	Monitoring by
Noise Pollution	physical	Project Site	All the time of construction	Concerned Contractor	UE
Air pollution	Physical	Project Site	- DO -	- DO -	UE

Note: The above Table Should be filled with the help of Table 5 of the EMF Report.

Appendix-2.4: Environmental Monitoring Plan (During Operation Stage)

Environmental Issues/Impacts to be Monitored	Monitoring Indicators	Location	Frequency	Implementation by	Monitoring by
Waste Management	physical	school campus	Regular	DPE staff	DPE

Note: The above Table Should be filled with the help of Table 6 of the EMF Report.

Project Name :PEDP4

Annexed-2: Filled in Environmental Screening Format

Appendix-3.1: Sub-Project Identification for Construction of Classrooms

Name of the Work/School/Office : Rohitpur Govt. Primary School

Name of the District : Dhaka

Name of the Upazila, Union & Village: Keraniganj, Rohitpur, Rohitpur Kaccha

EMIS Code of the School : 91310130603

Appendix-3.2: Proposed Activities Asper Preliminary Scheme Design:

Title of Activities	Description of Proposed Activities (Length, width, area, volume, height in feet etc.)	Remarks
Land Development	0 * 0 * 0	No need
Construction of main School building (extension)	63'8" * 30'11" * 0	Approved 3V+1V - 4 stonied Found ⁿ
Construction of boundary wall	0 * 0 * 0	No need
Construction of internal Roads	0 * 0 * 0	No need
Construction of water supply and sanitary latrine	0 * 0 * 0	Adequate water supply; wash block required.

Appendix- 1.4:

ENVIRONMENTAL SCREENING FOR EXTENSION/RECONSTRUCTION OF SCHOOL & OFFICE BUILDINGS

Project Name: Fourth Primary Education Development Program (PEDP4)

Date of Screening: 25/05/2022

Category of component based on environmental regulations of the Government of Bangladesh:

Name of School : Rohitpur Govt. Primary School
 District : Dhaka
 Upazila : Kerraniganj
 Union : Rohitpur
 Village : Rohitpur Kaetha
 Type of Subproject : Construction of additional classroom.

Major Activities of the Subproject:

Screening Questions	Yes	No	Impact Scale (-6~0~+6)	If "Yes", Please Provide Remarks
A. Subproject Siting Is				
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. Potential Environmental impacts Will the subproject Cause		NO		
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	

Screening Questions	Yes	No	Impact Scale (-6~0~+6)	If "Yes", Please Provide Remarks
Will there be any long-term impacts on local hydrology?		No	0	
Is adequate water supply to school available?	Yes		2	Adequate
Increased noise due to day-to-day construction activities?	Yes		-2	Mitigated by changing work process
Is there any dust / air pollution during construction phase?	Yes		-1	Mitigated by changing work process
Will there be waste generation when construction works are going on?	Yes		-1	Mitigated by changing work process
C. Other Potential Impacts				
Will the subproject cause?				
Degradation or disturbance of historical or culturally important sites (mosque, graveyards, monuments etc.)?		No	0	
Health risks to laborers involved in activities?	Yes		-1	Mitigated by using safety measures
D. Potential Positive Environmental Impacts.				
Improved sanitation and personal hygiene.	Yes		3	Achieved through toilets construction
Enhanced quality of school environment.	Yes		4	Achieved through additional classroom
Employment generation for local people during construction period.	Yes		3	Achieved through local construction workers involvement
E. Environmental assessment category as per GOB				
What is the environment assessment category (DDR or IEE) as per ECA-97 and ECR 97 of GOE and ADB's SPS?	Yes		5	As per DOE(ECA & ECR 97), Category Orange A & ADB, Category-C.
Will project enhance quality of education?	Yes		4	Achieved through construction of additional classroom.
Score Total				

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.

Type of Environmental Assessment to be undertaken:

Completed by: Md. Shaukat Ali

Designation: Sub-Asst. Engineer

Filed and signed by LGED/DPHE Assistant Engineer: _____

Name: Md. Asif Ullah, UAE, LGED, Keraniganj

Date: 25/05/2022

Reviewed and signed by LGED/DPHE Executive Engineer: _____

Name: GM. Mujibor Rahman, XEN, LGED

Date: 25.05.2022

[Signature]
25/05/22
মোঃ শওকত আলী
উপ-সহকারী প্রকৌশলী
এলজিডি, কেরানীগঞ্জ, ঢাকা।

[Signature]
25.05.22
মোঃ আনিক উল্লাহ
উপজেলা সর্বকারী প্রকৌশলী
কেরানীগঞ্জ, ঢাকা।

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		done by Contractor
The contractor will ensure supply of pure drinking water to the workers during the time of construction.	Yes		done by Contractor
The contractor will keep a first aid box at the site for any accident.	Yes		done by contractor
The contractor will take necessary precaution for the safety of his workers and also for the safety of the pedestrians.	Yes		done by Contractor
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		done by Contractor
The contractor will not engage any child labor in the work.	Yes		No child labor is engaged
contractor will not pollute any nearby source of surface water by any of their activities.	Yes		No surface water is polluted
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		Contractor is taking necessary steps to minimize sound pollution
The contractor will engage local people in the work as far as possible. The vulnerable destitute women should get preference.	Yes		Local people are engage in the work by Contractor
The contractor will not hamper the drainage network of the area by any of their activity.	Yes		No drainage network is hampered
The contractor will not cut or damage any tree in and around the project area without the permission of the supervising authority.	Yes		No tree has been cut or damaged
The contractor will take every initiative to reduce dust emission during the construction work i.e sprinkling of water on the dust etc.	Yes		Necessary steps have been taken by contractor
contractor will not set any temporary burner under any tree.	Yes		Contractor is aware of this
If required, the contractor will collect filling earth from existing ditches, ponds and fallow lands to avoid land loss.		Yes	No filling earth is collected
No of Women Labour working in the sub-project	Yes		About 4 Nos. of women are working

Annexed B: Filled in Social Screening Format

Local government officials, civil society representatives and others who have interests in the school.

A. General Information		
Name of School: <u>Rowitpur Govt. Primary School</u>		
<input checked="" type="checkbox"/> Existing School	<input type="checkbox"/> New School	
Union: <u>Rowitpur</u>	Ward Name & No: <u>Rowitpur Katcha 41 No</u>	
Upazila: <u>Keraniganj</u>	District: <u>Dhaka</u>	
Screening Date: <u>25.05.2022</u>		
Names of Persons Participated in Screening:		
DPE Staff: <u>Md. Abdul Kader Miah, UEO</u>		
Local Government Representatives: <u>Md. Abdul Ali, UP Chairman</u> <u>Md. Alomgir Hossain, UP ward member</u>		
Community Members: <u>Md. Nazimuddin, SME Chairman.</u>		
B. Social Safeguard Information		
The Scheme is located in an area (UP, or Ward or part of a Ward) where residents are:		
<input type="checkbox"/> All mainstream or non-indigenous/tribal peoples		
<input type="checkbox"/> All indigenous/tribal peoples		
<input checked="" type="checkbox"/> Majority mainstream or non-indigenous/tribal peoples		
<input type="checkbox"/> Majority indigenous/tribal peoples		
Scope of work: <input type="checkbox"/> Improvements on Existing School <input type="checkbox"/> Construction of New School		
Existing Schools:		
Toilets	Number:	Total Land Area (Decimal/Square feet): <u>14 Decimal</u>
Required Land Belongs to:	<input checked="" type="checkbox"/> School	<input type="checkbox"/> Private Owners
	<input type="checkbox"/> Others (Name):	
Additional Class Room	Number: <u>5</u>	Total Land Area (Dec/Sft): <u>1980 sft</u>
Required Land Belongs to:	<input checked="" type="checkbox"/> School	<input type="checkbox"/> Private Owners
	<input type="checkbox"/> Others (Name):	
<input type="checkbox"/> Other means (Describe):		
Remarks if any about land availability:		
<u>N/A</u>		

Dormitory (CHT):	Capacity (# of students):	Total land area (decimals):
Required Land is	<input 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:	
If Require Lands are Private, they are Presently Used for	<input type="checkbox"/> Agriculture	No. of land owners/users:
	<input type="checkbox"/> Residential Purposes	No. of household living on them:
	<input type="checkbox"/> Business Purposes	No. of persons using the lands:
	<input type="checkbox"/> Other Purposes	No. of persons using the lands:
	Name Purpose:	
If Require Lands are Private, they are Presently Used for	<input type="checkbox"/> Agriculture	No. of land owners/users:
	<input type="checkbox"/> Residential Purposes	No. of household living on them:
	<input type="checkbox"/> Business Purposes	No. of persons using the lands:
	<input type="checkbox"/> Other Purposes	No. of persons using the lands:
	Name Purpose:	
New School	<input type="checkbox"/> Without Cyclone Shelter & Dormitory	Total Land Area (decimals):
	<input type="checkbox"/> With Cyclone Shelter	Total Land Area (decimals):
	<input type="checkbox"/> With Dormitory	Total Land Area (decimals):
Required Land Belongs to:	<input type="checkbox"/> School <input type="checkbox"/> Private Owners	<input type="checkbox"/> Land Ministry (Khas)
	<input type="checkbox"/> Other Ministries (Name):	
	<input type="checkbox"/> Other Entities (Name):	
If Require Lands are Private, they are Presently Used for	<input type="checkbox"/> Agriculture	No. of land owners/users:
	<input type="checkbox"/> Residential Purposes	No. of household living on them:
	<input type="checkbox"/> Commercial Purposes	No. of persons using the lands:
	<input type="checkbox"/> Other Purposes	No. of persons using the lands:
	Name Purpose:	
If Require Lands are Public, they are Presently Used for	<input type="checkbox"/> Agriculture	No. of land persons using the lands:
	<input type="checkbox"/> Residential Purposes	No. of household using the lands:
	<input type="checkbox"/> Commercial Purposes	No. of persons using the lands:
	<input type="checkbox"/> Other Purposes	No. of persons using the lands:
	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: <i>Not Applicable</i>		

C. ADDITIONAL INFORMATION ON SMALL ETHNIC COMMUNITIES (SEC) (In Addition to the information Sought Under Section B)	
Name 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:	
<input type="checkbox"/> Legal ownership	Number of SEC Persons/households:
<input type="checkbox"/> Customary Rights	Number of SEC Persons/households:
<input type="checkbox"/> Lease agreements with the Government	Number of SEC Persons/households:
<input type="checkbox"/> 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)	
(b)	N/A
(c)	
The following are the social concerns expressed by SEC community and organizations:	
The SEC Community and organizations perceive the social outcomes of the scheme:	
<input type="checkbox"/> Positive	<input type="checkbox"/> Negative
<input type="checkbox"/> Neither Positive nor Negative	
In respect of the social impacts and concerns, is there a need to undertake an additional impact assessment study.	
<input type="checkbox"/> Yes	<input type="checkbox"/> No


Prepared by (Name and Designation)

Ms. Asit Ullah

UAE, LGED, Keraniganj

(A DPE Staff should fill in this form)

Signature: _____


 25/05/2022
 মোঃ আসিত উল্লাহ
 উপজেলা সহকারী প্রকৌশলী
 কেরানীগঞ্জ, ঢাকা।

APPENDIX -2: TEMPLATE FOR ENVIRONMENTAL MANAGEMENT PLAN (EMP)**Appendix-2.1: Mitigating/Enhancement Plan for Environmental Impacts (During Construction)**

Environmental Issues/Impacts Requiring Mitigation	Mitigation/ Enhancement Measures	Implementation by	Supervision by
Noise Pollution	Mitigated by the change of working procedure implemented through the contractor	Concerned Contractor	UE
Air Pollution	Mitigated by frequent sprinkling of water at site	Concerned contractor	UE

Note: The above Table Should be filled with the help of Table 2 of the EMF Report.

Appendix-2.2: Mitigating/Enhancement Plan for Environmental Impacts (During Operation)

Environmental Issues/Impacts Requiring Mitigation	Mitigation/ Enhancement Measures	Implementation by	Supervision by
Waste Management	By regular cleaning	DPIHE Staff	DPE

Note: The above Table Should be filled with the help of Table 3 of the EMF Report.

Appendix-2.3: Environmental Monitoring Plan (During Construction Stage)

Environmental Issues/Impacts to be Monitored	Monitoring Indicators	Location	Frequency	Implementation by	Monitoring by
Noise Pollution	Physical	Project site	All the time of construction	Concerned contractor	UE
Air Pollution	Physical	Project site	All the time of construction	Concerned contractor	UE

Note: The above Table Should be filled with the help of Table 5 of the EMF Report.

Appendix-2.4: Environmental Monitoring Plan (During Operation Stage)

Environmental Issues/Impacts to be Monitored	Monitoring Indicators	Location	Frequency	Implementation by	Monitoring by
Waste Management	Physical	School campus	Regular	DPE staff	DPE

Note: The above Table Should be filled with the help of Table 6 of the EMF Report.

APPENDIX-iv

Recommendations on EMR (Jan - Jun 2022) for PEDP-4 (LGED)

The EMR of the reporting period for January – June 2022 was submitted duly and found well-structured and covered all environmental issues mentioned in the EMP. Environmental monitoring results and EMP monitoring observations were provided with necessary explanations, and pictorial presentations were made to substantiate the specific information provided in the report. Although report is much detail, however, below recommendations are required to be incorporated in the EMR before disclosure.

General Comments:

- Please tabulate the compliance status to ADB loan covenants relevant to environmental safeguards. Please do provide specific compliance measures taken for every individual covenant as per following format and avoid writing being complied/complied (please go through project loan agreement).

Table: Compliance with ADB loan covenants

Serial no. as per Loan Agreement	Program Specific Covenants	Compliance Status	Remarks
			N/A

- Compliance to ADB review mission: Please include the compliance status to the CAP provided in the ADB review mission through aide memoire during reporting semester (if any).

Table: Implementation status of CAP recommended by ADB review mission

Sl. No.	Recommended Corrective Action Measures	Implementation Status
	Recommended Corrective Action Measures have been taken	Duly completed

- Training: Please provide information on training and capacity building programs conducted during reporting period and tabulate the details of training programs as per the following format. Also provide the cumulative number of the training conducted till date.
- No training was held in the reporting period

Table: Training and capacity building activities

Training Title	Date and Venue	Training Details	No. of Participants	
			Male	Female
N/A				

Scope of Semi-annual Environmental Monitoring Report (SEMR):

- Page 12, Cumulative status of sub-projects is tabulated repeatedly in page 12 and 18, please revise and update the EMR as required.
- 5.2.2 cumulative status of sub-projects are deleted from page no. 18 (For better understanding of the sub-projects works, it was repeated)

Grievance Redress Mechanism (GRM):

- Page 24: EMR mentioned that during the reporting period, LGED received only nine complains where six problems have been solved and three are under consideration. Please tabulate details of the complaints and resolution including recommendations for improvement to be added in the EMR. Given format might be followed:

Table: Complaints status of the reporting period (up to June 2022)

Complaint or Affected Persons	Location and Date of Complaint	Description of Grievance/ Complaint	Timeline	Time-bound Corrective Actions taken by PMU
Rajpasha GPS Complain came through "The Daily Vorer Kagoj"	Vandaria, Pirojpur Date: 10/01/2022	Demand of new school building.	LGED constructs the additional classroom under PEDP4 after getting school list from DPE.	LGED already sent it to DPE for taking onward action.
Ayashabag GPS Complain came through "The Vorer Dak"	Charfashon , Bholia. Date: 13/01/22	Demand of new school building to replace dilapidated one.	Do	Do
Galua Durgapur GPS Complain came through "The Naya Digonto"	Rajapur, Jhalokhathi Date: 14/02/2022	Poor quality of construction work.	Defects have been rectified.	Complain has been solved.
Palikadoa GPS Complain came through "The Manob Kantha"	Joypurhat Sadar Date:12/04/2022	Dispute over the school land.	LGED is not concerned with the land issue.	The issue has been forwarded to DPE.
Chithulia GPS Complain came through "The Daily Jugantor"	Gaibandha Sadar Date: 8/5/2022	School building has been eroded into the river.	LGED undertook an inquiry and observed that the old dilapidated school has been eroded into the river which is not	The report has been provided to DPE.

Complaint or Affected Persons	Location and Date of Complaint	Description of Grievance/ Complaint	Timeline	Time-bound Corrective Actions taken by PMU
			constructed under PEDP4.	
Khamar Tabakpur GPS Complain came from SMC	Ulipur, Kurigram Date: 23/02/2022	Defects have been observed in the school floor.	Defects have been rectified.	Complain has been solved.
Shahaparir Dip GPS Complain came through "The Vorer Dak"	Teknaf, Chottogram Date: 01/06/2022	Demand of new building to replace the dilapidated one.	LGED constructs the additional classroom under PEDP4 after getting school list from DPE.	LGED already sent it to DPE for taking onward action.
47 No. Thakurerhat GPS	Doshmina, Pathuakhali Date: 02/04/22	Demand of new building to replace the dilapidated one.	Do	Do
Kamat Angaria GPS Complain came through "The Kaler Khantha"	Kurigram Sadar Date: 01/06/2022	Complain on auction procedures of dilapidated old school building.	LGED undertook an inquiry and found the auction was done properly maintaining all required procedures.	Complain has been solved

Consultation Meeting: Targeted stakeholders and local people living along the project sites should have been consulted during construction phase to inform the package activities and receive public grievances. EMR should include details of the consultation meetings as per following format including pictorial evidence (if any).

Table: Consultation meetings held during Jan to Jun 2022

Consultation Date	Location	Issue	No. Participants	Remark

Elaboration/description of consultation meetings are given in Semi-annual Environmental Monitoring Report-vi. As the volume of sub project is near about above 4000 which is huge. So it is difficult figure out in tabular format.

Environmental Monitoring:

- Page 24, Monitoring Visits: Please tabulate the monitoring visit carried out during the reporting period as per the following format.

Table: List of monitoring visit during the reporting period (up to June 2022)

Name of subproject	Location of Construction Site	Date of Inspection

Elaboration/description of environmental monitoring are given in Semi-annual Environmental Monitoring Report-vi. As the volume of sub project is near about above 4000 which is huge. So it is difficult figure out in tabular format.

- Page 26, Tree Plantation: Table 5 and 7 mentioned that 1478 nos. of trees were cut where total of 3590 were planted in proper place around the boundary area of school campus. Indigenous plants were got priority for plantation. However, appreciate having details of the plantation information as of following format:

Table: Details of tree planation as of June 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 June 22)	Trees planted (as of June 22)	Types of species planted	Plantation completion status	Survival status	Remarks
Yes	1302	1533	1478	3590	Mango, Jackfruit, Litchi, wood apple, Black berry, Citrus, Guava, Neem, Arjun, Haritoki, Bohera, Amla, Chandan, Olive, Almond, Gamari, Chaatim, Shal, Shegun	Completed	Good	

Measures undertaken to implement the EMF:

- Page 27: It is noted that LGED engaged a full-time Environmental Specialist from September 2018 for the implementation of the EMF. Appreciate having a list of environmental safeguard personnel engaged by LGED and contractors in PEDP-4 including name, designation, contact information as per following format.

Table: Safeguard personnel in PEDP-4

Name	Organization and Designation	Email Address	Contact no.	Remarks
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	
Bimol Kumar Biswas	LGED, Assistant Engineer	bkrbiswaslged@gmail.com	01711184552	

Other than 1028 contractors and 498 Upazila Engineers are also engaged to ensure construction of sustainable school building and to safeguard environmental and social issues.

Recommendation:

- Page 28: The very same corrective action plan is suggested again in the EMR which were recommended in the last semester report (July– Dec 2021). This should be clarified and PMU should identify the mechanism to turn them into compliances duly.
- The nature of school building construction works are same. So, corrective action plans are recommended in the same way for smooth monitoring, and handling the works easily.

Annexure:

- Sample grievance redress form used at PEDP-4 sites should be appended.

There is no specific form for grievance redress form, generally we collect complain or grievance from different daily newspapers. There is also another provision, that any individual may complain against any unscrupulous construction works done by LGED to the proper authority. LGED take the complaint and make an inquiry team for investigation. If found anomalies LGED take action against the personnel/ staff who are responsible for the work done.