

## **Semiannual Environmental Monitoring Report**

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**Loan No- 3047  
December 2018**

**Secondary Education Sector Investment Program  
Tranche 1**

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# SEMI-ANNUAL ENVIRONMENTAL MONITORING REPORT



Secondary Education Sector Investment Program

**Semi-Annual EMB No. 5**



Prepared by Mustofa M. Kamal, Engineering Drawing and Design Expert/ Environmental Safeguard Expert, SESIP, for the Directorate of Secondary and Higher Education, Ministry of Education, GOB and the Asian Development Bank



## ABBREVIATIONS

ACI	American Concrete Institute
ADB	Asian Development Bank
ASTM	American Society for Testing and Materials
BEDU	Bangladesh Education Development Unit
BNBC	Bangladesh National Building Code
DDR	Due Diligence Report
DEO	District Education Office
DFID	Department of International Development of the United Kingdom
DLI	Disbursement-Linked Indicators
DOE	Department of Environment
DPP	Development Project Performa
DSHE	Directorate of Secondary and Higher Education
EAR	Environmental Assessment Report
EARF	Environmental Review and Assessment Framework
ECC	Environment Clearance Certificate
ECR	Environmental Conservation Rules
EDDE	Engineering Drawing and Design Expert
EED	Education Engineering Department
EHS	Environment, Health and Safety
EIA	Environmental Impact Assessment
EICPG	Education Institution Construction Policy
	Guideline
EMIS	Education Management Information System
EMP	Environmental Management Plan
EMR	Environmental Monitoring Report
ES	Environmental Specialist
FAM	Finance and Administrative Manual
GOB	Government of Bangladesh
ICT	Information And Communication Technology
IEE	Initial Environmental Examination
IFDP	Infrastructure and Facilities Development Plan
MoE	Ministry of Education

MPO	Monthly Payment Order
NAEM	National Institute of Education Management
NGO	Non-Government Organization
O&M	Operation and Maintenance
OHSP	Occupation Health and Safety Plan
PIU	Project Implementation Unit
PMU	Project Management Unit
POE	Post Occupancy Evaluation
PPE	Post Project Evaluation
PPME	Project Performance Monitoring and Evaluation
PPP	Public Private Partnership
REA	Rapid Environmental Assessment
RoW	Right of Way
SESIP	Secondary Education Sector Investment Program
SIEE	Summary Initial Environmental Examination
SMC	School Management Committee
SPS	Safeguard Policy Statement
SPSU	Sector Program Support Unit
SSQS	Secondary School Quality Standards
SWAp	Sector-Wide Approach
TOR	Terms of Reference
TSEO	Thana Secondary Education Office

## EXECUTIVE SUMMARY

1. The Secondary Education Sector Investment Program (SESIP) was approved by Asian Development Bank's Board on 27 September 2013, and the Periodic Financing Request 1 (Tranche 1) for \$90 million (2013–2017) was approved by the ADB President on 21 October 2013. SESIP supports secondary education in Bangladesh over 10 years, using a multitranche financing facility (2013–2022). SESIP will support the implementation of key reforms envisaged in the National Education Policy, 2010 in a phased manner. SESIP will also adopt a sector-wide approach that supports a government-led common secondary education program framework with enhanced harmonization of ADB and other development partner's assistance. The Ministry of Education (MoE) is the executing agency and the Directorate of Secondary and Higher Education (DSHE) is the implementing agency. Strengthened fiduciary oversight arrangement and management is one of the key features of the program.
2. SESIP has three key result areas: (i) enhanced quality and relevance of secondary education, (ii) more equitable access and better retention, and (iii) strengthened secondary education management and governance. In the second part (access and better retention) the strengthening activities supporting a continuation of civil works and the structural reforms of an integrated and unified secondary education system will be taken up.(FAM 2013)
3. While the focus of SESIP is mostly on institutional aspects in the secondary education sector, some civil works (building of structures and associated components) is planned, according to the 5-year infrastructure development plan. The program will support for upgrading the physical facilities and equipment of government secondary, upazila education offices, including school infrastructure development – construction and renovation of school buildings (640 ILC, 100 Schools, 640 Pre-Voc and Vocational), including science labs, vocational trade labs, stack yards, and Madrasah Teaching Training Institute and DEO office extension (53 nos). **More than 700 subprojects are under implementation at this stage of reporting. Support will include renovation of classrooms, libraries, laboratories for science and vocational courses (including supplying of instruments and equipment) for the selected schools/ madrasas, storage, and provision of furniture and teaching aids, where necessary. The Environmental Assessment and Review Framework (EARF) is intended to be used as a practical tool during planning, design and construction.**
4. The implementation of the program-related infrastructural works and the other subproject will be governed by ADB's Safeguard Policy Statement (SPS, 2009) and the environmental laws, policies, and regulations of the Government of Bangladesh (GOB). The main provisions for environmental protection and pollution control in Bangladesh are contained in the Environmental Conservation Act, 1995 and Environmental Conservation Rules (ECR),
5. Construction of multi-storied buildings is considered as 'Orange B' category in ECR, 1997. However, there is no fixed definition of a multi-storied building. In practice, a building of more than 10 stories within Dhaka City (as per building construction rules of RAJUK) and a building of more than 6 stories outside of Dhaka city will be considered as 'Orange B' category. Environmental screening using rapid environmental assessment (REA) checklist prepared to ascertain environmental category of each school and office infrastructure and other civil worksThe major tasks for the Construction Management and Environmental Monitoring in construction stage include:

- Field monitoring on contractor's Construction Management and environmental mitigation measure performance
  - Guidance to Contractor's personnel on Construction Management and environmental monitoring aspect, in the field practice;
  - Recommend to Education Engineering Department (EED) improve Construction Management and to implement all EMP as stated in EARF/ IEE report and other environmental safeguards in construction contract documents; and
  - Instruct Education Engineering Department (EED) to take an action to mitigate environmental setbacks and rectify in construction management..
6. Monitoring Requirements Specific IEE (SIEE) requires the Project annual EMR to be prepared by the borrower in order to evaluate and assess overall project activities to ensure the implementation of the EMP by effective Construction and Environmental Management . Implementation of the EMP is normally: (i) a condition of project approval (design and construction) issued by the approving authority; (ii) a condition incorporated into the bidding documents, project construction contracts, and operation and maintenance contracts; and (iii) a covenant in the ADB loan agreement.
  7. In compliance with the loan covenant, Semestral (Semi-Annual) Environmental monitoring report is essential. This report describes the status of implementation and compliance of the EMP to satisfy the environmental safeguard requirements of ADB and GoB as well as to fulfill the requirements mentioned in the loan document. This report also describes the environmental mitigation related any corrective and preventative actions with respect to each subproject. This Semi-Annual submission will be required to be submitted by December 2018.
  8. This report is being drawn on the status of implementation of EMP of the sub-projects and recorded during field visit and monitoring of the activities related to the civil construction as directed in the EARF. 3 formats for supervising engineer, SMC and contractor were supplied for monitoring of EMP implementation. 12 school under PVIP and 5 DEO extension was visited by the ESE to take snap shot of the civil construction and environmental management practice for the sub-projects.
  9. All personnel including staff, employees and any contractors will undertake appropriate training prior to construction to ensure they are aware of their on-site responsibilities in respect to all environmental issues. This will be achieved through the implementation of on-site induction and specific training programs designed to ensure that all on-site personnel are competent and aware of any environmental management procedures relevant to their activities. Target to train 210 from among EED supervising Engineers, Members of SMC and DSHE officials in the field level. 196 out of 210 were successfully attended the training
  10. Orientation of EED officials on innovative architectural / civil works design view point as a part of EED capacity building. In this regards necessary manuals / modules need to be prepared by the consultant; to undertake planning and implementation of civil construction.
  11. Develop and provide training to the staff of the executing agency, Contractors and other entities on Construction Management and Environmental Safeguards: (i) the requirements of the EMP including specific environmental mitigation measures and monitoring activities to be implemented and (ii) the roles and responsibilities of all parties;

The objectives of the training are to:

- a) Innovative architectural / civil works design view point as a part of EED capacity building Build awareness and basic capacity for the stakeholders in regards to Construction Management , Environmental and Social safeguards monitoring and compliance
- b) Develop a sense of ownership and responsibility among the actors in ensuring compliance regarding Environment and Social Safeguards in project management
- c) Develop capacity on monitoring supervision and reporting for the quality control of civil construction works .Participants gain an understanding on supervision of EMP implementation and how to improve construction management and environmental performance of sub-project



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## 1. Introduction

### A. Project Background

The Secondary Education Sector Investment Program (SESIP) was approved by Asian Development Bank's Board on 27 September 2013, and the Periodic Financing Request 1 (Tranche 1) for \$90 million (2013–2017) was approved by the ADB President on 21 October 2013. SESIP supports secondary education in Bangladesh over 10 years, using a multi tranche financing facility (2013–2022). SESIP will support the implementation of key reforms envisaged in the National Education Policy, 2010 in a phased manner. SESIP will also adopt a sector-wide approach that supports a government-led common secondary education program framework with enhanced harmonization of ADB and other development partner's assistance. The Ministry of Education (MoE) is the Executing Agency and the Directorate of Secondary and Higher Education (DSHE) is the implementing agency. Strengthened fiduciary oversight arrangement and management is one of the key features of the program.

The program will support for upgrading the physical facilities and equipment of government secondary, upazila education offices, including school infrastructure development – construction and renovation of school buildings, including science labs, and Madrasah Teaching Training Institute and upgrading Directorate of Secondary and Higher Education (DSHE) building. Support will include renovation of classrooms, libraries, laboratories, storage, and provision of furniture and teaching aids, where necessary.

The Program for Result provides an opportunity to enhance systems to ensure provision of safe, clean and hygienic environment for students while also providing an opportunity to improve measures regarding water supply sanitation and promotion of hygiene. Having a properly maintained WASH facilities in schools can have a multitude of benefits including (a) reducing the disease burden associated with unsafe water supply and sanitation and improve the quality of life, (b) decreasing of dropout and increasing academic performance. WASH promotion in school is a first step towards ensuring a healthy physical learning environment. Schools influence children behavior and childhood is the best time for children to learn hygiene behavior.

## 2. Physical Progress of Project Activities

### A. Project Key Result Areas

SESIP has three key result areas: (i) enhanced quality and relevance of secondary education, (ii) more equitable access and better retention, and (iii) strengthened secondary education management and governance. In the second part (access and better retention) the strengthening activities supporting a continuation of civil works and the structural reforms of an integrated and unified secondary education system will be taken up.(FAM 2013)

### B. Physical Infrastructure Development

Based on needs assessment and agreed criteria, the program will support construction of school buildings and repair and maintenance of existing schools. Facilities will support enhanced use of information and communication technology for pedagogy, and include construction/renovation for ICT Learning Centers (formerly School Information Hubs), construction of upazila education offices, and

provision of safe drinking water, sanitation, and drainage facilities. Major infrastructure of the program is school buildings which will be built on already acquired areas and there is no such structure on ecologically sensitive areas or any of nature reserve. One District Education Office will be constructed on government land on the property of the Bandarban Govt. Girls' High School. Planning and design section of Education Engineering Department (EED) is responsible for environmental issues of the program.

### C. School Infrastructure Improvement

#### a. *The SESIP Civil Works Program and Environmental Implications*

While the focus of SESIP is mostly on institutional aspects in the secondary education sector, some civil works (building of structures and associated components) is planned, according to the 5-year infrastructure development plan. The program will support for upgrading the physical facilities and equipment of government secondary, upazila education offices, including school infrastructure development – construction and renovation of school buildings (640 ILC, 100 Schools, 640 Pre-Voc and Vocational), including science labs, vocational trade labs, stack yards, and Madrasah Teaching Training Institute and DEO office extension (53 nos). Support will include renovation of classrooms, libraries, laboratories, storage, and provision of furniture and teaching aids, where necessary. The Environmental Assessment and Review Framework (EARF) is intended to be used as a practical tool during planning, design and construction.

This will include:

- 640 schools Developing for school information hubs ICT learning centers. ;
- 640 schools/ madrasahs selected for extra classrooms for pre-vocational and vocational courses;
- Vertical extensions and outfitting for training venues in 53 District Education Offices (DEOs);
- Upgrading of 100 priority schools/madrasahs;
- 25 Thana Education Offices in Metropolitan cities
- New DSHE building construction; and,
- Construction of the Bandarban DEO.

The environmental implications of the proposed civil works are expected to be minimal, and manageable, with the following characteristics:

- **ICT equipment** within existing schools (mostly within existing building footprints, therefore innocuous in terms of environment).
- **Extended buildings** (vertical, for the most part); therefore within existing building footprints; mostly innocuous in terms of environment; perhaps just increases in service demand (water, electricity, waste production); options for solar power (positive).
- **New buildings:** in **existing urban or town areas** (minimal environmental sensitivities); or possibly “**green**” field construction (**higher risk of environmental vulnerabilities**, depending on location); increase in local service demands; good options for climate proofing and use of solar power (positive).
- **Construction processes** will need mitigation measures and “best practices” (reduce noise, emissions, waste, excessive water consumption, local disruptions, etc.).
- Main environmental sensitivities relate to locations in **coastal areas** (cyclone and flood risk), **forested areas**, and **sloped areas** (CHT). Potential issues related to **drinking water quality** in

some locations (salinity, arsenic, etc.). **Providing adequate levels of water supply, sanitation and hygiene in schools is of direct relevance** to the United Nations (UN) Millennium Development Goals of achieving universal secondary education, promoting gender equality and reducing child mortality. Most of the potential environmental issues associated with SESIP civil works will pertain to construction practices. As noted in the EMP contract guidance document, the mitigation measures for construction practices will have to be monitored and reported accordingly.

**Table 1 :Procurement Plan for SESIP Funded Civil Works under implemented by EED (as on November 2018)**

SN	Program according to DPP/TPP	Trench	Objective	Progress till March 2018	Remarks														
1	Renovation of 640 schools for ICT Learning Center	Trench 1		100% =640 (Complete)															
2	Rehabilitation and Renovation of 100 selected Schools	Trench 1	<table><tr><td>New Construction</td><td>68 nos</td></tr><tr><td>Vertical Extension</td><td>32 nos</td></tr><tr><td>Total</td><td>100 nos</td></tr></table>	New Construction	68 nos	Vertical Extension	32 nos	Total	100 nos	<table><tr><td>100%</td><td>92 nos</td></tr><tr><td>76%-99%</td><td>03 nos</td></tr><tr><td>0%-50%</td><td>05 nos.</td></tr><tr><td>Total</td><td>100 nos</td></tr></table>	100%	92 nos	76%-99%	03 nos	0%-50%	05 nos.	Total	100 nos	
New Construction	68 nos																		
Vertical Extension	32 nos																		
Total	100 nos																		
100%	92 nos																		
76%-99%	03 nos																		
0%-50%	05 nos.																		
Total	100 nos																		
3	Extension of 640 selected schools for Pro-Voc and Vocational instruction	Trench 2	<table><tr><td>New Construction</td><td>359 nos</td></tr><tr><td>Vertical Extension</td><td>237 nos</td></tr><tr><td>Madrasa Vertical</td><td>13 nos.</td></tr><tr><td>Others</td><td>44 nos</td></tr><tr><td>Total</td><td>640 nos</td></tr></table>	New Construction	359 nos	Vertical Extension	237 nos	Madrasa Vertical	13 nos.	Others	44 nos	Total	640 nos	370 subprojects Soil testing and preparing cost estimate complete and procurement process started. 383 has been granted NOA . Alternative land under search as 34 sub-project site needs piling (cost escalation) 15 relocated sub-project are under soil investigation . In 18 sub-project there is no land for further construction. 19 sub-project still under process of approval of cost estimate..	Cost estimate for 570 sub-projects has been approved				
New Construction	359 nos																		
Vertical Extension	237 nos																		
Madrasa Vertical	13 nos.																		
Others	44 nos																		
Total	640 nos																		
4	60 District Education Office Horizontal Extension	Trench 2	53 (47) DEO are under Horizontal Extension	40 nos are under process of approval of cost estimate and tendering.	40 nos are supplied with design and drawing for implementation.														
5	5 story District Education Office at Bandarban	Trench 2		Bid has been approved and work order has been issued.	Alternative land for construction obtained and work is under progress.														
6	Class room refurbishment and vertical extension of Hostel at NAEM	Trench 2		Class room refurbishment : 100% Vertical extension of Hostel: 100%	The design is complete for the furniture														
7	25 Thana Education Office (in Metropolitan cities) 2 floors construction with 4 story foundation	Trench 2		Undertaking of Soil testing and preparing cost estimate has been processed by the concerned Executive Engineer.	3 sub-project in Dhaka and 2 in Khulna metropolitan city has ROW (land).Design, drawing and cost estimate under preparation.														

#### **b. Civil Works Needs EMP implementation:**

The above mentioned schools selected for construction for extra class has been divided into several packages identifying each as sub-project. The need for screening has been intimated to EED and

requested to prepare screening of each 'sub-project' and that will be basis for the design of the infrastructure. The attached screening will have PIA (Project Area of Influence) and REA as per the EARF.

The basic principles of EARF will be followed regarding small-scale infrastructure development are i) harmonizing design of infrastructure with local surroundings, ii) preserving the natural ecosystems around school building (no hill-cutting, no invasive species plantation) and using locally available construction materials during construction of school in CHTs, iii) climate-proofing design in vulnerable coastal areas, iv) preference of students and teachers in designing infrastructure, v) strict adherence to environmental codes of practice during construction activities (i.e. additional classrooms).

The basic principles of EARF regarding water supply and sanitation provisions include i) regular testing of water sources for contaminants, ii) adequate sanitation facilities and establishment of a mechanism for maintenance and iii) alternate sources for safe drinking water where tube wells are not feasible (due to water quality or quantity issues). An operational manual Need to be developed to explain the general process of infrastructure planning, implementation, quality control and monitoring. Education Institution Minimum Construction Standard is in the process of approval.

#### **D. The SESIP funded Civil Works Program**

##### ***a. 640 schools Developing for school information hubs ICT learning centers.***

Civil works and supplying of furniture are as per the following is complete. However supply of ICT hardware and software is progressing.

**Table 2: Subproject Summary of 640 schools ICT learning centers.**

Percentage of completion	Nos.
100% complete	640
Total School	640

##### ***b. 100 School Infrastructure Extension/ Refurbishment sub-projects***

The building blocks and extension of classes are not well planned. Most schools does not have site plans for actual area of the schools. No thoughts have been given in positioning the building blocks and extension. These could have been made more user friendly and leaving sufficient area of the school for other activities. School environment should get priority in construction for ventilation, seating comfort ability, sanitation like separate toilets for boys and girls and other extracurricular activity area. Some schools have constructed 'full class room blocks' that involve more civil works. Discomfort of the children during construction (dumping the construction materials and go down inside schools) can be avoided if the supervising engineers could implement EMP by the contractor. The progress report of the selected 100 schools shows partial compliance (mostly comes from 'construction good practice') of the EMP referred by EARF.. Present progress is about 95%

Table 3: Summary of 100 School extensions subproject

Total Educational Institutional Number			Tender Approved Total Educational Institution Number	Total Approved Tender Price Tk. Crore	Improvements				
					Complete				
					0%	0-50	51-75%	75-95%	100%
100	68(new building)	32(vert. extension)	100	66.36	0	05	0	03	92

Source EED dated 30.11.2018,

***c. 640 schools/madrasahs selected for extra classrooms for Pre-Voc and vocational courses.***

640 Schools are being selected based on decision and criteria fixed taking opinion from all stakeholder as referred in Memo SPSU/Pre voc – Voc 3-13/2017 (attachment 1). Schools to be selected should fulfill the following criteria:

- Must have interest in conducting Pro-Voc and Vocational Courses;
- Should have space to construct at least 2 additional rooms;
- Should have electric connection;
- The school should have included in MPO and;
- However the conditions can be relaxed in case of geographically challenged area and under served Charland, Haor and Hilly areas

Based on the above criteria the following schools and institution has been selected:

- 487 schools selected from 490 Upzila
- 64 madrasahs from 64 Upzila
- 53 schools from inaccessible and underserved areas
- 36 Madrasa from inaccessible and underserved areas

Memo issued elaborating the methodology for selection of Schools/ Madrasa for Pre-Voc and vocational courses (attachment -1):



***d. Vertical extensions and outfitting for training venues in 53 District Education Offices (DEOs); Status of Civil Works***

Though the screening process for the existing building are important for the design of the extension. Some drawing as shown are available and the site engineer and design engineer will ensure the foundation condition to withstand the load of the building. The land acquisition or use of land for horizontal extension will not be required that will help in environmental safeguard of the project. Presently packages has been created for civil works for all the 53 (now 47) DEO building. Civil works are progressing well.

***e. Vertical/Horizontal Extension of 640 selected schools for Pre-Voc and Vocational courses.***

Harmonizing design of infrastructure with local surroundings, preserving the natural ecosystems around school building, and preference of students and teachers in designing infrastructure should be ensured. Again strict adherence to environmental codes of practice during construction activities (i.e. additional classrooms) need to be maintained. The site engineer will help design engineer ensuring the foundation condition to withstand the load of the building. The horizontal extension will require more space of the school but attention need to be given so that it does not constraint other activity and the school more environment friendly sub-project. List of subproject is attached in Appendix-1

### **3. Scope of Monitoring Report**

#### **A. 5-Year Infrastructure Development Plan**

While the focus of SESIP is mostly on institutional aspects in the secondary education sector, some civil works (building of structures and associated components) is planned, according to the 5-year infrastructure development plan. This will include: developing school ICT learning center (640 schools); extra classrooms for pre-vocational and vocational courses; vertical extensions and outfitting for training venues in 53 (47) District Education Offices (DEOs); upgrading of 100 priority schools/madrasahs; new DSHE building construction drawing and design; and, construction of the Bandarban DEO.

The implementation of the program-related infrastructural works and the other subproject will be governed by ADB's Safeguard Policy Statement (SPS, 2009) and the environmental laws, policies, and regulations of the Government of Bangladesh (GOB). The main provisions for environmental protection and pollution control in Bangladesh are contained in the Environmental Conservation Act, 1995 and Environmental Conservation Rules (ECR), 1997.

Construction of multi-storied buildings is considered as 'Orange B' category in ECR, 1997. However, there is no fixed definition of a multi-storied building. In practice, a building of more than 10 stories within Dhaka City (as per building construction rules of RAJUK) and a building of more than 6 stories outside of Dhaka city will be considered as 'Orange B' category. Environmental screening using Rapid Environmental Assessment (REA) checklist prepared to ascertain environmental category of each school and office infrastructure and other civil works. Procurement Plan Updates is in Table -2

## B. Major Tasks

The major tasks for the environmental monitoring in construction stage include:

The need for screening has been intimated to EED and requested to prepare screening of each 'sub-project' and that will be basis for the design of the infrastructure. The basic principles of best design practice will be followed regarding small-scale infrastructure development are

- (i) harmonizing design of infrastructure with local surroundings,
- (ii) preserving the natural ecosystems around school building (no hill-cutting, no invasive species plantation) and using locally available construction materials during construction of school in CHTs,
- (iii) climate-proofing design in vulnerable coastal areas,,
- (iv) strict adherence to environmental codes of practice during construction activities (i.e. additional classrooms).

The basic principles of water supply and sanitation provisions include

- i) regular testing of water sources for contaminants,
- ii) adequate sanitation facilities and establishment of a mechanism for maintenance and
- iii) alternate sources for safe drinking water where tube wells are not feasible (due to water quality or quantity issues).

An operational manual Need to be developed to explain the general process of infrastructure planning, implementation, quality control and monitoring. One Education Institution Minimum Construction Standard as prepared in SESIP is in the process of approval.

In the light of above following activities are needed:

- Field monitoring on contractor's environmental mitigation measure performance
- Guidance to Contractor's personnel on environmental monitoring aspect, in the field practice;
- Recommend to Education Engineering Department (EED) to implement all EMP as stated in EARF/ IEE report and other environmental safeguards in construction contract documents; and
- Instruct Education Engineering Department (EED) to take an action to mitigate or rectify on other issues that find out.

## C. Monitoring Requirements

SIEE requires the Project annual EMR to be prepared by the borrower in order to evaluate and assess overall project activities to ensure the effective implementation of the EMP. Implementation of the EMP is normally: (i) a condition of project approval issued by the approving authority; (ii) a condition incorporated into the bidding documents, project construction contracts, and operation and maintenance contracts; and (iii) a covenant in the ADB loan agreement.

**Table 4: The major civil works involved that need screening process and CEMP**

Civil Works	Screening process and CEMP
640 schools/ madrasahs selected for extra classrooms for pre-vocational and vocational courses;	640 subprojects
Vertical extensions and outfitting for training venues in 53 District Education Offices (DEOs);	53 (now 47) subprojects
Upgrading of 100 priority schools/madrasahs;	100 completed with screening and EMP
Construction of the Bandarban DEO.	completed with screening and EMP recommended as of IEE
Metropolitan Thana Education Offices	5 (out of 25) under implementation others has land problems.

#### **D. Reporting Period (Frequency of Submission as per EARF)**

In compliance with the loan covenant, semestral (Semi-Annual) environmental monitoring report is essential. This report describes the status of implementation and compliance of the EMP to satisfy the environmental safeguard requirements of ADB and GoB as well as to fulfill the compliances required in the loan document. This report also describes the environmental mitigation related any corrective and preventative actions with respect to each subproject. Semi-Annual submission will be required to submit by 31 December 2018.

### **4. Status of Progress**

#### **A. The Sub-Projects**

##### **a. Sub-project Description**

Additional class rooms (100 schools) are constructed to reduce overcrowding in the class rooms. These are basically of two types, new building or vertical extension. The architectural plan of the vertical extension is determined by the architectural plan of the existing buildings. In such case, capacity assessment of the foundation of the existing building is extremely important to find out the feasibility of a vertical extension. It is to be noted that in most of the cases, design of the existing buildings are not available. Hence field examinations remain the only available option to determine such suitability. The agency responsible for construction of such class rooms should apply their professional judgment after following all acceptable testing procedures in determining such capacity. It should also be kept in mind that the schools are not only buildings but they are a combination of many items such as a playground which offer learning opportunities. So either new building or vertical extension are being constructed. Out of 100 selected schools class room added with 68 new building and 32 are added with floor by vertical extension.

##### **b. Subproject Implementation**

640 ICT-Learning centers civil works completed (100%), Extension of 100 school building is about 92% and infrastructure improvement of hostel and class rooms at NAEM in average 100%. The sub-project interventions are 68 new building and 32 vertical extension. DEO building at Banderbon is complete with award where EMP has been included in the contract document as per IEE. Work is being delayed due to land problem. Alternative land has been found and construction has been started.

##### **c. Environmental Safeguard Measures**

This report has been prepared based on observations made during field inspections, random performance checks, reviewing records and document, and consultation with relevant stakeholders such as affected persons, beneficiaries, School Management Committee(SMC), local Education administration etc. As a part of the project management support, EED under Ministry of Education (MOE) provides inputs on intermittent basis to monitor compliances with environmental safeguards to ensure that the project is implemented with due concern for environmental safeguards according to the ADB's Safeguard Policy Statement 2009, specifically to ensure that these issues are adequately addressed to the requirements of ADB.

As full implementation of the IEE procedure of the project, the Environmental Focal person of construction Supervision Engineers of EED have two main roles as following:

- Supervise the monitoring of implementing mitigation measure of the contractor during the construction stage

- Submission of the Semi-Annual Environmental Monitoring Report (EMR) to SESIP (GoB) and ADB.

The environmental monitoring report is to follow up the contractor's implementation on environmental mitigation measure in construction stage as stated in EMP and other environmental safeguards in construction contract documents. Guidance and instruction given to the contractor to prepare CEMP and get approved. This will ensure that the contractor will follow the required environmental mitigation measure as stated in IEE report and construction contract documents. This has been agreed between the Asian Development Bank and the Government of Bangladesh as a condition of the SESIP program loan.

#### ***d. Civil Works under SESIP funding (Tranche 2)***

The following works has been taken up in addition to the some unfinished (some 8 nos of selected schools for refurbishment)

- 640 schools/ madrasahs selected for extra classrooms for pre-vocational and vocational courses;
- Vertical extensions and outfitting for training venues in 47 District Education Offices (DEOs);
- 25 Thana Education Offices in Metropolitan cities (only 5 could be taken up),;
- Construction of the Bandarban DEO and
- New DSHE building construction

## **5. Environmental Monitoring**

### **A. Qualitative and Quantitative Monitoring Data**

Safeguard is an issue addressed not only with increasing sureness by those responsible for keeping children and learners safe, but one felt keenly by those most vulnerable to harm and neglect.

In order to ascertain whether environmental management system is functioning properly, it is necessary to include a program to monitor. The environmental management plan will include an environmental monitoring procedure based on an environmental review study of the program of the Directorate of Secondary and Higher Education.

The Environmental Management Plan will focus on the implementation of mitigation measures during project construction period and inside school management. The project implementation will be carried out under the overall supervision of the Education Engineering Department.

The project falls under "B" category according to ADB Safeguard Policy Statement, 2009 and "Orange B" category in accordance with the Bangladesh Environment Conservation Act 1995 and Environment Conservation Rules 1997. All subprojects require an EMP; but extension of school building / infrastructure development subprojects has minimal impacts. During the course of project implementation, monitoring of compliance and safeguard issues related to environmental matters are not undertaken by the implementing agencies, with EED to ensure that the project is implemented with due concern for environmental safeguards and specifically to ensure that these issues are adequately addressed to the requirements of ADB.

#### ***a. Safe drinking Water Sample***

Planning and undertaking a Water Sample for testing for contaminants is another monitoring requirement to determine compliance of the sub-project works.

The cost of testing of tubewell water during construction can be the responsibility of contractor under the guidance of Environmental focal person. This cost could be part of cost for implementation of EMP. But during operational period this should be taken up by DSHE (SESIP). SMC should continue the testing of drinking water at least once in a year in coordination with agency like Directorate of Public Health. DSHE should initiate one MOU with DPHE for such testing regularly on annual basis for all the tubewells irrespective of SESIP funded schools.

**b. *Water quality and Sanitation for schools.***

**Arsenic Hazards**

Hundreds of tubewells in rural Bangladesh have been identified with high arsenic concentrations and many more are feared to have been contaminated with the same. So far 50,000 tubewells were tested and 63 percent of them were found to be contaminated by unacceptable concentrations of arsenic. Bangladesh has recognized the acceptable limit of arsenic concentration in water at 0.05 milligram/liter. Many people are suffering from arsenicosis and many more are at risk.

WASH in Schools aims to improve the health and learning performance of school-aged children – and, by extension, that of their families – by reducing the incidence of water and sanitation-related diseases. Every child friendly school requires appropriate WASH initiatives that keep the school environment clean and free of smells and inhibit the transmission of harmful bacteria, viruses and parasites.

WASH in Schools intervention should include:

- Sustainable, safe water supply points, hand-washing stands and sanitation facilities;
- Fully integrated life skills education, focusing on key hygiene behaviours for schoolchildren and using participatory teaching techniques;
- Outreach to families and the wider community.

An efficiently and effectively implemented WASH in Schools will result in

- Perform better in school;
- Positively influence hygiene practices in their homes, among family members and in the wider community;
- Change their current hygiene behaviour and continue better hygiene practices in the future;
- Learn about menstrual hygiene and physical and emotional changes during puberty
- Practice gender-neutral division of hygiene-related tasks such as cleaning toilets, fetching and boiling water and taking care of the sick.

. Therefore, the guiding principle is that need based facilities should stimulate and promote appropriate hygiene practices among children.

Needs of adolescent girls Increasingly, evidence has shown that the absence of toilets or separate toilets in schools for girls is a major reason parents keep their daughters from attending school.

Adolescent girls attending school during menstruation require girl appropriate toilets, water supply for washing and receptacles for discarded sanitary pads. Without appropriate facilities, adolescent girls may be unable to remain comfortably in class.

**c. Water Supply and Sanitation:**

Project in addition to the extension of the class rooms has included and emphasized on the proper toilets for the children. The school could organize to help achieve and maintain adequate water supply, sanitation and hygiene in schools. The stakeholder can play their roles for maintaining proper hygiene in the schools.

Provision of safe, clean and hygienic environment for students while also providing an opportunity to improve measures regarding water supply sanitation and promotion of hygiene. Having a properly maintained facilities in schools can have a multitude of benefits including (a) reducing the disease burden associated with unsafe water supply and sanitation and improve the quality of life, (b) decreasing of dropout and increasing academic performance.

**d. Challenges in Water and Sanitary Hygiene:**

- Lack of effective mechanism for operation and maintenance of facilities
- Weak coordination mechanism among stakeholders involved in provision of Schools facilities.
- Inadequate attention to the software components: Hygiene promotion; Institutional capacity development; systems development for monitoring and evaluation; Partnerships and engagement with relevant stakeholders.
- Inadequate utilization of EMIS for monitoring and analysis of facilities in schools for appropriate planning.

**Table 5: Unit Cost for Drinking Water Quality Testing at Schools**

SN	Water Quality Testing parameter/ Labs	Unit cost*
1	Arsenic (Central + Zonal Lab )	450.00
2	Manganese (Central + Zonal Lab )	300.00
3	Iron (Central + Zonal Lab )	450.00
4	Salinity (Central + Zonal Lab )	50.00
5	Chloride (Central + Zonal Lab )	250.00
6.	Cost of container, sampling, transportation	1000.00
	Total Unit Cost	2500.00

**Note:**

1. Sample to be collected in designated container and need to be preserved before transportation.
2. The sample is collected from the schools and transported to the DPHE Lab.
3. The Payment for testing will be made in the form of "Chalan" in the name of DPHE.
4. Payment will be made at the time of depositing sample.

Source: Department of Public Health Engineering (DPHE)

## B. Environmental Monitoring Database

All secondary schools equipped with ICT facilities (ICT lab, multimedia classrooms, digital contents, and library) that are effectively used. E-learning modules of Bangla, English, mathematics, science, and other relevant subjects are developed and used in at least 18,000 schools. The project will strengthen and harmonized operations and sets of education databases between BANBEIS and the DSHE EMIS. All teachers and education managers trained to operate upgraded school-based EMIS.

School environment data can also be incorporated in EMIS. This will help in the preparation of Semi-Annual Environmental Safeguard Report as required under ADB loan covenant and for GOB can be helpful. Environmental Safeguard Expert is now working with EMIS so that one 'module' can be developed for environmental management database. .

Improvement in EMIS for Environmental Monitoring:

Secondary School Quality Standard (SSQS) as approved by MOE, if upgrades regularly, can be used for monitoring and standardization of the schools both in physical facilities and environmental safeguard. The availability and functionality of WASH facilities and hygienic practices among schoolchildren should be part of an education management information system (EMIS), rather than a component of the monitoring and evaluation system. Including WASH in Schools in the EMIS gives clearer insight into the existing educational problems and challenges such as the possible link between WASH and school attendance and retention. One consulting firm engaged has evaluated the EMIS effectiveness/ performance related to the selection of schools for refurbishment.

**Table 6: Safeguard Instrument available for School and other infrastructure**

	Institution_Name	TRADE NAME 1	TRADE NAME 2	REA Status of the sub-project		EMP status	
				Prepared	Under completion	Included in Bid document	Delivered to Contractor
1	Chandra Kala S.I. High School	Electrical	ICT	√	√	√	√
2	Shyampur High School	Electrical	ICT	√	√	√	√
3	Jhalmalia High School	Garment	Electrical	√	√	√	√
4	Talanda A. M. High School	Refrigeration And Air Conditioning	ICT	√	√	√	√
5	Char Mohon Pur High School	Electrical	ICT	√	√	√	√
6	Sankarbaty Hefzul Ulum F.K. Alim Madrasa	Plumbing And Pipe Fitting	ICT	√	√	√	√
7	Jahanabad High School	Electronics	ICT	√	√	√	√
8	Jhitka Ananda Mohan High School	ICT	Electronics	√	√	√	√
9	Manikganj Govt. High School	ICT	Electronics	√	√	√	√
10	Joymontop High School	ICT	Garment	√	√	√	√
11	Malkhanagar High School	Electrical	Mechanical	√	√	√	√
12	Betka Union High School	Electronics	ICT	√	√	√	√



						EMP status	
	Name of the institution	Location	Vertical	Horizontal	Both V/H	Included in Bid document	Delivered to Contractor
13	District Education Office	Natore		√		√	√
14	District Education Office	Rajshahi			√	√	√
15	District Education Office	Chapainawabganj			√	√	√
16	District Education Office	Manikganj		√		√	√
17	District Education Office	Munshiganj		√		√	√

**a. Subproject based field monitoring data**

**Summary of subproject (Monitoring checklist) for 12 PVIP Schools**

**Table 7: Compliance and Non-compliance Issues Monitoring at the (640 PVIP) School Environment**

SN	Concern Issue	Recommended Measures	Implementation/Compliances:		Remedial Measures
			Yes	No	
1.	Seating arrangement	Seating arrangement should be comfortable	5	7	Increase classroom and size
2.	First Aid facilities	First Aid facilities should be available in the schools	11	1	Advised to keep first aid box in school
3.	Firefighting	Firefighting equipment should be available in the schools	3	9	Contractor's supply
4.	Pure Drinking Water	Pure drinking water (Arsenic free) should be provided	12	0	As reported by head teacher no test result available
5.	Electricity	Electricity, fan, and light should be available in the schools; energy efficient light and fan should be used	12	0	Interrupted electric supply causing suffering to the student
6.	Disposal of Waste	Waste disposal bins should be in place in the classrooms and also at the school central	8	4	Bins are being used
7.	Smoking	Schools and classrooms should be marked up as a "no smoking zone"	12	0	None allowed to smoke in the school premises
8.	Sanitation facilities	Sanitation facilities (washroom, urinal etc.) should be ensured in the schools; provision of water closet and flushing system in toilet and bathroom; fixing of hand basins; and cleanliness.	10	2	Wash room, sanitary latrine construction part of civil works
9.	Ventilation	Provision of adequate ventilation in the classroom of the schools	12	0	New building has wide open window for ventilation and light



SN	Concern Issue	Recommended Measures	Implementation/Compliances:		Remedial Measures
			Yes	No	
10.	Management of lab chemical waste	Chemical wastes from the laboratory should strictly be discharged to the designated concrete covered pit by the school authority so that surrounding environment is not polluted; a waste management plan should be prepared by the school authority and be strictly followed	5	7	School is taking care to dispose appropriately. All school does not have science lab facility
11.	Domestic Sewage	Domestic sewage from the classroom shall be subject to suitable treatment prior to discharge to the environment; under no circumstances, untreated wastes will be discharged into the environment	8	4	Deposited in a identified location for disposal
12	Praying Rooms	Separate praying rooms for men and women should be ensured in the schools	12	0	All schools maintain the room
13.	Gender equity	Gender equity should be followed during admission	12	0	Many schools girls exceed boys

#### Compliance and Non-compliance Issues Monitoring at the School Environment for Construction Site

Sl. No.	Concern issue	Recommended measures	Implementation/ Compliances: Yes/No	Remedial Measures
1.	Toilet and ablution facilities	Ensure that adequate toilet and ablution facilities are provided at the construction site	Yes(12)	Contractor make facility at construction site
2.	Environment Officer	Contractor should appoint an Environment Officer to monitor the issues recommended in the mitigation measures to make the project environment-friendly	No(0)	Contractor will appoint environmental officer

Table 8: EA (Supervising Engineer) Infrastructure Compliance and Non-compliance Issues Monitoring

Issues	Yes	No
1. Is there assigned official at the EED will be responsible for overall environmental compliance.	12	0
2. Is Assistant Engineer of EED will be responsible for subproject specific environmental compliance and relevant reporting in EED	12	0
3. The Program Director, in consultation with ESE, has finalize the EMP.	12	0
4. Subprojects funded under the program have environmental clearance.	12	0
5. Adequate sanitation facilities has been developed for the teachers and students with regular cleaning and routine maintenance	10	2
6. The toilets for girls and boys shall be separate with privacy and water facility.	10	2
7. Is the design harmonize with local surroundings, including landscaping and	4	8
8. planning for other uses for all additionally created spaces, proper ventilation, and lighting	8	4
9. In Chittagong Hill Tracts for preservation of the surrounding ecosystems around the school building avoid hill cutting and destruction of ecosystem for civil works.	0	0
10. Is Design and construction of school building in the vulnerable coastal areas has considered 'climate proofing design' (e.g. raising of plinth level for flood, increase strength of building to resist cyclone and storm surge, avoid river bank erosion, etc	0	0
11. Is there public and community consultation with special emphasis on students/teachers in designing the infrastructure.	12	0
12. Are Students and Teachers informed in advance of the construction schedules and the timing of necessary interruption of public utilities?	12	
13. Contractor allowed use classroom and school premises/playing ground to stack construction materials.	8	4
14. EED and DSHE have clearance required from government or local government agencies/committees, for construction.	12	0
15. All areas and infrastructure affected is restored to their original condition, specially sidewalks, green street dividers, green- belt/fence, gardens, sidewalk trees, utilities, and side streets impacted by traffic diversion	10	2
16. Annual water quality monitoring done to ensure safe drinking water facilities to the students and teachers.	2	10
17. Is there plan for Rain water harvesting, pond sand filters, etc. in coastal areas due to salinity intrusion	0	12
18. Sanitation facilities for the teachers and students and mechanism for regular cleaning and routine maintenance.	8	4
19. Plan for solid waste management and energy-efficient options solar lighting of school building.	6	6
20. Testing of water sample from school tube well for safe drinking water annually on regular basis	1	11

Table 9: Compliance and Non-compliance Issues Monitoring for the Contractors

Provisions/ Compliances	Yes	No
1. Provision of adequate healthcare facilities (first aid) within construction sites;	10	2
2. Training of all construction workers in basic safety; sanitation and healthcare issues; specific hazards of their work; personal protection equipment for workers,	4	8
3. Such as safety boots, helmets, gloves, protective clothing, goggles and ear protection;	8	4
4. Clean drinking water for all workers;	12	0
5. Safe access across the construction areas;	10	2
6. Arrangement for water spray at the construction area throughout the construction time;	10	2
7. Ensure that no child labor will be deployed;	12	0
8. Lab wastes will be disposed properly with adopting an appropriate disposal facilities;	2	10
9. Keep work areas clean and tidy; and	8	4
10. Ensure that there is adequate provision of correctly marked waste containers made available at convenient locations for the disposal of wastes.	1	11

The frequency of submission of the Environmental Monitoring Report is defined in the loan agreement that the borrower will prepare semi-annual environmental (safeguard) monitoring reports, which will report the progress of implementation of the EMP and compliance issues and observations, with recommended corrective actions, if any.

## 6. Implementation of Environmental Management Plan

### A. Institutional Arrangement

The EMP defined as desired outcomes and actions to address the identified impacts and risks, and meet applicable requirements as measurable events to the extent possible. The EMP also discussed the measures for information disclosure, the grievance redress mechanism, and the process for continued consultation with and participation of affected people during project implementation.

The EMP has been prepared that includes the nature of construction work, likelihood of disruptions, impact on local amenity, dangers or risks involved, traffic management or any other relevant issue required to be addressed under each new stage of construction. Ensure that construction; do not adversely affect health, safety, amenity, traffic or the environment in the surrounding area. Detailed range of health, safety, traffic management and amenity issues consider broader obligations including recycling, waste management and environmental initiatives. Requirements for Occupational Health and Safety, co-ordinate Safety measures with all stakeholders. It also considered: public safety, amenity and site security, operating hours, noise and vibration controls, air and dust management, storm water and sediment control, waste and materials re-use, traffic management, etc. Implementation of the EMP is part of the bid document and the contractor must submit their construction plan to the supervisory Consultant/ Engineer.

Measures were taken for the following: (i) site stabilization, erosion, and runoff; (ii) dust and noise suppression; (iii) management of traffic and utilities; and (iv) worker safety. Good health and hygiene practices at work and measures to prevent work accidents are achieved through an OHSP, which included emergency plans, personnel basic training, and first aid provisions.

An environmental assessment and review procedure has been prepared to facilitate compliance of SESIP infrastructure with the environmental requirements of the Government and ADB. International Environmental Expert in PMU's prepares a full environmental assessment report on selected subprojects, including public consultation and an environmental monitoring plan with specific mitigation measures, institutional arrangements for implementation

The EED, through its Sector Program Support Unit, is responsible to implement the overall EMP. However, during the construction stage, the contractors are responsible to mitigate all environmental impacts related with the construction activities. In this context, the EMP has not been included into the Bidding Documents of the construction packages to serve as a condition of contract for adopting the Environmental Code of Practices by the prospective contractor(s). However, the bidding documents of the construction package for the District Education Office at Bandorbon, has now been included EMP, the contractors are responsible to mitigate all environmental impacts related with the construction activities. The Construction Supervision Consultant or Environmental safeguard Expert (ESE) is to supervise the implementation of the EMP by the contractor(s).

The Planning Cell of EED will be responsible for the design, construction, and maintenance of the infrastructure of the project. The project proponent has deployed one Environmental Safeguard Expert (focal person) for environment who will lead the environmental activities and implementation of the EMP. The Assistant Engineer at Regional Office will carry out environmental screening of all "subprojects" and prepare an EMP for each project activities or "subproject". The zonal Executive Engineer will review the screening report and EMP through field visits. If an IEE is required, it will be the responsibility of the Executive Engineer of EED. The Monitoring Officer deployed by this project will be responsible for supervision and monitoring of environmental mitigation activities. The Chief Engineer at Headquarters will ensure quality control and reporting at the regional level. The environmental focal point from EED (may request support from Bangladesh Resident Mission's Environment Officer, if required) will prepare training materials; conduct training for staff/school teachers/students; prepare screening, IEE report, and site-specific EMP on sample basis; review a certain percentage of the EMPs; and prepare the Annual Environmental Monitoring Reports of the project and submit annually. [EARF 2013]. These activities are taken over by ESE in coordination with EED.

## **B. Environmental Management Plan**

Environmental Management Plan (EMP) following EARF has been prepared and include the nature of construction work, likelihood of disruptions, impact on local amenity, dangers or risks involved, traffic management, or any other relevant issue required to be addressed under each new stage of construction. Ensure that construction do not adversely affect health, safety, amenity, traffic, or the environment in the surrounding area. Detailed range of health, safety, traffic management, and amenity issues consider broader obligations including recycling, waste management, and environmental initiatives. Requirements for Occupational Health and Safety are to co-ordinate Safety measures with all stakeholders, public safety, amenity and site security; operating hours; noise and vibration controls; air and dust Management; storm water and sediment control; waste and materials re-use; Traffic Management; etc. Implementation of the EMP was to be part of the bid document and the contractor to submit their construction plan to the supervisory engineer.

The program management unit (PMU) in the Secondary Education Sector Investment Program (SESIP) and Education Engineering Department (EED) under the Ministry of Education are responsible for monitoring and enforcement during construction. Technical and institutional mitigation measures were to be incorporated into the detailed design of the project. Planning, functional, institutional, and procedural

measures are to be included in the selection criteria, tender documents, and the OHSP. Mitigation measures related to construction work must be specified in the contract with the contractor. The DOE should to oversee environmental compliance and environmental monitoring. ADB review missions were to assess environmental compliance.

Measures are to be taken for the following: (i) site stabilization, erosion, and runoff; (ii) dust and noise suppression; (iii) management of traffic and utilities; and (iv) safety of the workers. Good health, hygiene practices at work, and preventive measures for work accidents; were to be achieved through an OHSP, which should include emergency plans, personnel basic training, and first aid provisions.

**Table 10: Potential Environmental Impact and Mitigation Measures**

Category	Potential Environmental Impact/Issue	Possible Mitigation Measures
Occupational health, safety, and hygiene	Occupational Health and Safety	<ul style="list-style-type: none"> <li>Implement suitable safety standards for all workers and site visitors</li> <li>Provide personal protection equipment for workers, such as safety boots, helmets, gloves, protective clothing, goggles, and ear protection</li> <li>Provide adequate healthcare (first aid) and safety facilities within construction sites</li> <li>Arrange safe drinking water and sanitation facilities for the labors</li> <li>Arrange water spray throughout the construction time               <ul style="list-style-type: none"> <li>Follow standard norms for toilet</li> </ul> </li> </ul>
Solid and hazardous waste management	Spreading of waste, pungent smell, deterioration of aesthetics, used batteries, laboratory chemicals disposed haphazardly	<ul style="list-style-type: none"> <li>Introduce proper solid waste management system in schools with segregation of waste and its proper disposal</li> <li>Raise awareness on solid waste management with waste minimization, recovery, and recycling               <ul style="list-style-type: none"> <li>Ensure safe disposal of hazardous waste</li> </ul> </li> <li>Ensure that adequate toilet and ablution facilities are provided for the duration of the contract</li> </ul>
Drainage management	Drainage congestion/water logging, spread of vector born diseases	<ul style="list-style-type: none"> <li>Consider the drainage system of the whole area in subproject design</li> <li>Maintain cross-drainage at all times during construction</li> <li>Prevent all solid and liquid wastes entering waterways by collecting solid waste and wastewater from brick, concrete</li> <li>Integrate drainage facilities with water supply options and sanitary latrine facilities in planning and design</li> </ul>
Stone crushing	Dust and noise pollution	<ul style="list-style-type: none"> <li>Spray water during dry season and in windy conditions</li> <li>Immediate compaction after construction of base course</li> <li>Cover the stockpiles of fine materials in construction yard</li> <li>Plan the work schedule of noise creating activities in consultation of local community</li> <li>Employ best available work practices on-site to minimize occupational noise levels</li> </ul>
Soil Erosion	Soil erosion during construction	<ul style="list-style-type: none"> <li>Careful arrangement to stop soil erosion by adopting proper protection measure before starting earthworks</li> </ul>

Category	Potential Environmental Impact/Issue	Possible Mitigation Measures
Road blockage	Blocking of roads/access/approach	<ul style="list-style-type: none"> <li>Construction materials and machinery should not be placed in a manner that blocks any roads, paths or local accesses</li> <li>Unloading of construction materials should be carried in a manner and time so as to avoid blockage of roads/paths/access</li> <li>Waste should not be placed on the roads</li> </ul>
Water Pollution	Water pollution from construction activities	<ul style="list-style-type: none"> <li>Prohibit direct disposal of solid and liquid wastage into nearby bodies of water</li> <li>Spoil Management Plan should be implemented by the contractor</li> </ul>
Use of wood as construction/cooking materials	Deforestation	<ul style="list-style-type: none"> <li>Minimize use of wood for construction</li> <li>Use local materials as much as possible</li> <li>Innovations shall be integrated in design for making schools more child and environment- friendly</li> <li>Contractor shall supply kerosene or liquefied petroleum gas at camps and restrict cooking and heating in firewood</li> </ul>
Proper ventilation	Day lighting and ventilation system	<ul style="list-style-type: none"> <li>Adequate windows in proper direction in consultation with students and teachers</li> <li>Provision for adequate ventilation in the classrooms and office</li> </ul>
Ensure safe drinking water	Arsenic, iron, and salinity contamination in drinking water	<ul style="list-style-type: none"> <li>Identify unions and upazilas based on DSHE survey where shallow or deep tube-wells are feasible</li> <li>Analyze local surrounding arsenic test results and recommend for tube-wells or not</li> <li>Adopt rain water harvesting, pond sand filter, and piped water supply in salinity intrusion areas</li> <li>After installation of tube-wells, presence of arsenic in the drinking water will be tested and be used only if it</li> </ul>
Water and sanitation	Selection of appropriate location for water source and sanitary latrine	<ul style="list-style-type: none"> <li>Discuss with medical authority to ensure selected schools have drinking water and proper sanitation</li> <li>A minimum distance of 15m should be maintained between a tube-well and a latrine to prevent contamination of water resources; in case of shallow shrouded hand tube-wells, this distance should be 20m as horizontal filters are used in this type of tube-wells</li> </ul>
Separate toilets for male and females	Adolescent girls may face serious problem due to lack of separate toilet facility	<ul style="list-style-type: none"> <li>Provide separate toilets at adequate distance between male and females</li> <li>Water supply should be available in the toilets</li> <li>One latrine should be designed for about 30 persons</li> </ul>
Extreme climate events and disasters <sup>4</sup>	Extreme climate (e.g. cyclone, storm surge), natural disasters (e.g. earthquake, etc.), and fire	<ul style="list-style-type: none"> <li>Adoption of appropriate adaptation and disaster risk reduction strategy, emergency preparedness and recovery, training/orientation program for health service workers on climate change, disaster and earthquake, etc.</li> <li>Schools located in the cyclone and earthquake prone areas should be designed and constructed in such a way that it is disaster and earthquake resilient or 'climate- proof'</li> <li>Create awareness about natural calamities and extreme climate to students, teachers and parents</li> <li>Provide fire safety management training and mock drill</li> <li>Ensure emergency equipments and facilities like fire extinguisher/water hose, first aid</li> </ul>

Source EARF

- 4 This impact is not project-related, rather it is location specific. However, appropriate adaptation (e.g. rising of plinth of school building in high flood areas, appropriate building materials for cyclone prone areas, etc.) and preparedness measures (e.g. training, mock drill etc.) will be adopted.

Table 11: SESIP Compliances Status at different Phases

S.N.	Indicators of Monitoring	Method of Monitoring	Monitoring frequency	Responsibility	Compliance Status	Remedial measures
<b>A. Pre-construction Phase Monitoring</b>						
1	Printing, publication, and distribution of EARF to all stakeholders including translation of the	Direct observation	Once	SPSU/ DSHE	Complied	Needs further printing during orientation and training
2	Recruitment of part-time environmental consultant for the project	Review of appointment letter	Once	SPSU/ DSHE/ EED	Complied	Engagement to be continued on intermittent basis till the civil works completion
3	Incorporation of EARF in subprojects	Review of documents	Once	SPSU/ DSHE	Partially Complied	Enforcement of EMP implementation
4	Disaster prone area (landslide, flood, drought area) and climate risk (cyclone and storm surge) screening done	Review of documents	Once	EED	Partially Complied	Resilient building based on REA will be constructed to face the challenges
5	Incorporation of EMP in design and tender document	Direct observation	Once	SPSU/ DSHE /EED	Complied	subproject have included EMP in bid document. Subproject contractor were issued with EMP compliance format

S.N.	Indicators of Monitoring	Method of Monitoring	Monitoring frequency	Responsibility	Compliance Status	Remedial measures
<b>B. Construction Phase Monitoring</b>						
1.	Drinking water quality	<ul style="list-style-type: none"> <li>Sampling, lab testing and comparison with generic standards</li> <li>For arsenic/iron/salinity, testing follow country specific and/or WHO recommended protocols</li> </ul>	Annual	Note: SPSU /EED/ SMC shall coordinate with DPHE, NGO, INGOs working in	Partially Complied	Sampled at the start of the project. Annual water quality will be done with arrangement with DPHE. EED will arrange sampling and testing by the contractors. Contractors are intimated accordingly. Enter into MOU with DPHE for testing annually on regular basis.
2.	Transportation of construction materials in covered condition and safe loading and unloading of construction materials	Contractor/Direct Observation	Regular during construction	EED/ Contractor	Complied	Access to work site for carrying materials to be planned
3.	Water sprinkling in dusty construction area and access roads	Contractor/Direct Observation	Every Day	EED/ Contractor	Complied	Sprinkling water is mandatory
4.	Stockpiling of excavated materials	Contractor/Direct Observation	Everyday	EED/ Contractor	Partially Complied	Need to cover stockpiled materials
5.	Reuse of excavated materials	Contractor/ Direct Observation	Everyday	EED/ Contractor	Partially Complied	Certain location possible
6.	Solid waste segregation disposal	Contractor /Direct Observation	Everyday	EED/ Contractor	Partially Complied	Separate bin are used
7.	Clearing of vegetation/ trees	Contractor /Direct Observation	During construction once in 3 months	EED/ Contractor	Complied	Mukundapur madrasah had to cut one tree with permission from appropriate authority
8.	Noise and dust pollution	Contractor / Direct Observation	Regular during construction	EED/ Contractor	Complied	Avoid night time working and during class. Sprinkling water
9.	Occupational health and safety, use of safety gears	Direct Observation	Once a month	EED/ Contractor	Partially Complied	Some subproject found to be without PPE



S.N.	Indicators of Monitoring	Method of Monitoring	Monitoring frequency	Responsibility	Compliance Status	Remedial measures
10.	Safety of workers, students, and teachers	Record of injury	Once a week	EED/ Contractor	Partially Complied	Make arrangement so that none in the school is hurt
11.	Water logging and spread of vector born diseases	Direct Observation	Once a week	EED/ Contractor	Complied	Proper drainage and washing made
<b>C. Operation Phase Monitoring</b>						
1.	Preparation of monitoring reports	Records/Documents	Monthly	EED	Complied	Jan and June 2017 EMR submitted
2.	Drinking water quality, arsenic testing, and mitigation; adequate natural light, air, and ventilation	Samples taken from different points, source delivery points; laboratory testing; interview with students	Annual	EED/S MC	Partially Complied	Sampled at the start of the project. Annual water quality will be done with arrangement with DPHE
3.	Solid waste and lab waste management system	Records of waste collected and managed	Bi-annual	EED/S MC	Partially Complied	Organized disposal
4.	Rainwater harvesting	Observation	Annual	EED	No available data	Not popular in the affected schools
5.	Solar power for schools	Observation	Annual	EED	Program dropped	
7.	Number of orientation and training	Number of orientation and trainings conducted	Regular	EED/S MC	Once in January 2015 for 15 participants	More training are planned for 210 participants of which 196 attended.
10.	Impact audit	Compliance with EARF	Annual	EED	Complied	EMR reflects the audit as per EARF

DPHE = Department of Public Health Engineering, DSHE = Directorate of Secondary and Higher Education, EARF = Environmental Assessment and Review Framework, EED = Education Engineering Department, EMP = environmental management plan, INGO = international nongovernmental organization, NGO = nongovernment organization, SPSU = Sector Program Support Unit, WHO = World Health Organization.: Source: ADB.

Partially complied: The complete monitoring data are not available from supervising engineer, contractor, head teacher etc.

### C. Bangladesh National Building Code 2006

#### Demolition of Structure (3.1.11a)

BNBC sets guideline for demolition of structure. The highlight of the guideline are as follows:

- At planning stage, detailed survey and study shall be carried out before demolishing the structure.
- A written notice will be delivered to the adjoining property holder.
- Required pedestrian precaution should be taken into account before commencing the demolition
- All utility lines will be disconnected and the sequence of demolition will be maintained as mentioned in the BNBC
- The owner will provide compensation for all damages and loss of life.

#### Occupational Health and Safety (3.1.11b)

- Part-7, Chapter -1 of the Bangladesh National Building Code (BNBC) clearly sets out the constructional responsibilities according to which the relevant authority of a particular construction site shall adopt some precautionary measures to ensure the safety of the workmen. According to section 1.2.1 of chapter 1 of part 7, "In a construction or demolition work, the terms of contract between the owner and the contractor and between a consultant and the owner shall be clearly defined and put in writing. These however will not absolve the owner from any of his responsibilities under the various provisions of this Code and other applicable regulations and bye-laws. The terms of contract between the owner and the contractor will determine the responsibilities and liabilities of either party in the concerned matters, within the provisions of the relevant Acts and Codes (e.g.) the Employers' Liability Act, 1938, the Factories Act 1965, the Fatal Accident Act, 1955 and Workmen's Compensation Act 1923".

(After the introduction of the Bangladesh Labor Act, 2006, these Acts have been repealed).

- Section 1.4.1 of chapter-1, part-7 of the BNBC, states the general duties of the employer to the public as well as workers. According to this section, "All equipment and safeguards required for the construction work such as temporary stair, ladder, ramp, scaffold, hoist, run way, barricade, chute, lift etc shall be substantially constructed and erected so as not to create any unsafe situation for the workmen using them or the workmen and general public passing under, on or near them".
- Part-7, Chapter-3 of the Code has clarified the issue of safety of workmen during construction and with relation to this, set out the details about the different safety tools of specified standard. In relation with the health hazards of the workers during construction, this chapter describes the nature of the different health hazards that normally occur in the site during construction and at the same time specifies the specific measures to be taken to prevent such health hazards. According to this chapter, exhaust ventilation, use of protective devices, medical checkups etc. are the measures to be taken by the particular employer to ensure a healthy workplace for the workers.
- To prevent workers falling from heights, the Code in section 3.7.1 to 3.7.6 of chapter 3 of part 7 sets out the detailed requirements on the formation and use of scaffolding. According to section 3.9.2 of the same chapter, "every temporary floor openings shall either have railing of at least 900 mm height or shall be constantly attended. Every floor hole shall be guarded by either a railing with toe board or a hinged cover. Alternatively, the hole may be constantly attended or protected by a removable railing. Every stairway floor opening shall be guarded by railing at least 900 mm

high on the exposed sides except at entrance to stairway. Every ladder way floor opening or platform shall be guarded by a guard railing with toe board except at entrance to opening. Every open sided floor or platform 1.2 meters or more above adjacent ground level shall be guarded by a railing on all open sides except where there is entrance to ramp, stairway or fixed ladder.....the above precautions shall also be taken near the open edges of the floors and the roofs”.

- The major challenge is the proper implementation of the Code as section 2.1 of chapter 2 of part 1 duly states that, “The Government shall establish a new or designate an existing agency responsible for the enforcement of this Code with a given area of jurisdiction. For the purpose of administering and enforcing the provisions of the Code, the enforcing agency shall have the authority of the Government and shall herein be referred to as the Authority.”
- Part 9, 1.2.1 states that if the land is changed and the occupants of the area are against the change, no change in use of an existing building will be allowed.
- Section 1.2.4 of Part 9 clearly states, “Additions to existing building shall comply with all of the requirements of the BNBC for new constructions. The combined height and area of the existing building and the new addition shall not exceed the height and open space requirements for new building specified in Part 3 of the Code. Where a firewall that complies with Table 3.3.1 of Part 3 is provided between the addition and the existing building, the addition shall be considered as a separate building.”

#### **a. *Safeguard Requirements of the Government of Bangladesh***

GOB Rules in NBC, ECR 1997 and requirements

The following rules have defined certain measures to ensure proper safety and work environment :

- Environment Conservation Rules 1997
- The National Building Code, 2006 and
- National Labor Act, 2006

The main provisions for environmental protection and pollution control in Bangladesh are contained in the Environmental Conservation Act, 1995 and Environmental Conservation Rules (ECR), 1997. Under the ECR, projects are classified as ‘Green’, ‘Orange A’, ‘Orange B’, and ‘Red’ to determine the level of environmental assessment required. It should be noted that they may obtain an initial site clearance on the basis of an IEE report, and subsequently submit an EIA report for obtaining an ECC along with other necessary papers, such as feasibility study reports and no objections from local authorities.

Construction of multi-storied buildings is considered as ‘Orange B’ category in ECR, 1997. However, there is no fixed definition of a multi-storied building. In addition to the ECR, there are a number of other policies, plans, and strategies which deal with the water sector, agricultural development, natural resource management, coastal area, protected area, disaster management, and climate change.

The National Building Code, 2006 and National Labor Act, 2006 have defined certain measures to ensure proper safety and work environment as well as the compensation measures to the laborers. By national law, in order to be compensated, contractors must follow and comply with these safety provisions and compensation arrangements. The implementing agency must ensure that the appropriate occupational health and safety provisions have been included in the bidding documents and are being implemented by contractor. The water quality needs to be monitored periodically to ensure that the supplied water is safe for drinking.

**b. Safeguard Requirements of the Asian Development Bank**

ADB's Safeguard Policy Statement (SPS) include operational policies that seek to avoid, minimize, or mitigate adverse environmental and social impacts, including protecting the rights of those likely to be affected or marginalized by the development process. ADB's SPS set out the policy objectives, scope and triggers, and principles for three key safeguard areas: (i) environmental safeguard (ii) involuntary resettlement safeguards, and (iii) Indigenous Peoples safeguards.. All three safeguard policies involve a structured process of impact assessment, planning, and mitigation to address the adverse effects of projects throughout the project cycle. The safeguard policies require that impacts are identified and assessed early in the project cycle; plans to avoid, minimize, mitigate, or compensate for the potential adverse impacts are developed and implemented; and affected people are informed and consulted during project preparation and implementation. A basic principle of the three existing safeguard policies is that implementation of the provisions of the policies is the responsibility of the borrower/client. Borrowers/clients are required to undertake social and environmental assessments, carry out consultations with affected people and communities, prepare and implement safeguard plans, monitor the implementation of these plans, and prepare and submit monitoring reports.

<b>ADB Environmental Screening</b>				
<b>Category</b>	<b>Category 'A'</b>	<b>Category 'B'</b>	<b>Category 'C'</b>	<b>Category FI</b>
<b>Description</b>	The project is likely to have significant adverse environmental impacts that are irreversible, diverse, or unprecedented. These impacts may affect an area larger than the sites or facilities subject to physical works	The project has potential adverse environmental impacts on human populations or environmentally important areas—including wetlands, forests, grasslands, and other natural habitats—are less adverse than those of Category 'A' projects. These impacts are site-specific; few if any of them are irreversible; and in most cases mitigation measures can be designed more readily than for Category 'A' projects.	The project is likely to have minimal or no adverse environmental impacts	A project is classified as category FI if it involves the investment of ADB funds  to, or through, a financial intermediary.
<b>EA Requirements</b>	For a Category 'A' project, an Environmental Impact assessment (EIA) is required	An Initial Environment Examination (IEE) is required	No environmental assessment is required although environmental implications need to be reviewed	All FIs will ensure that their investment are in compliance with applicable national laws and regulations and will apply the prohibited investment activities list.

*All projects funded by ADB must comply with ADB's Safeguard Policy Statement (SPS), 2009 and Operational Manual F1, 2010. The purpose of the SPS is to establish an environmental review process to ensure that projects undertaken as part of programs funded under ADB's loans are environmentally sustainable and sound, are designed to operate in compliance with applicable regulatory requirements, and are not likely to cause significant environmental, health, or safety hazards.*

The proposed program has been categorized as 'Category B' from an environmental point of view and an IEE, along with EMP, are required to be prepared and disclosed. The assessment will be carried out to ensure that the potential adverse environmental impacts are appropriately addressed in line with ADB's

SPS, 2009. The following IEE of the program were (Table 16) prepared to meet the requirements of ADB and DOE.

#### **D. Environmental Safeguard Expert TOR**

The purpose of the Environmental Safeguard Expert (ESE) engagement is to (i) review the environmental assessment report (EARs); (ii) implement environmental mitigation measures and monitoring program for upgrading the physical facilities and equipment of government secondary, upazila education offices, including school infrastructure development – construction and renovation of school buildings, including science and trade labs, and Madrasah Teaching Training Institute and upgrading Directorate of Secondary and Higher Education (DSHE) during design, construction and operation; (iii) inspect and ensure compliance with the ‘Construction Best Practice’ so that the mitigation measures proposed in the EARF/ EARs and IEEs for all components or subprojects funded by the Project; and (iv) provide additional necessary trainings to focal persons in the project for preparing Environmental Monitoring Report (EMR). Submission of semi-annual environmental safeguard monitoring report (EMR) based on the implementation of EMP of subprojects.

Minimum qualification should have B.Sc. in Civil Engineering with expertise in Environmental Safeguard and experience in supervision of civil works and submission of Environmental Monitoring Report. Post graduate qualification in Environmental Science / Environmental Engineering is a requirement.

#### **E. Site Inspections and Audits**

On behalf of the SPSU, the environmental safeguard expert visited and made spot checks in 12 (PVIP) schools and 5 DEO (Vertical Extension) Sub-project and holds one consultation meeting with supervising engineer, Contractor and other stakeholder /officials. The supervising engineer was informed the requirements to the implementation of EMP and submitting of monitoring report to the EED. The contractor was informed about the requirement of implementation of EMP. However, the contractor was not aware of such compliance and this was not formed part of bid documents. The supervising engineer informed about the format for reporting. The list of attendee and the photographs appended.

Following the same process about 12 (PVIP) schools undergoing vertical/horizontal extension and adding better sanitation arrangements like separate toilets for boys and girls were inspected by the ESE until December 21, 2018. He has made field trip reports and displayed photographs showing construction environment. Moreover consultation were made with teachers, student, supervising engineer, contractor, SMC etc.. List of subproject under visitation is in the following table:

List of subproject under visitation is in the following table:

Table 12: List of subproject visit

Name of the Sub-project visited	Physical Inspection	Stakeholder SMC consultation	EMP implementation Supervising Engineer	EMP implementation Contractor
1. Chandra Kala S.I. High School	√	√	√	√
2. Shyampur High School	√	√	√	√
3. Jhalmalia High School	√	√	√	√
4. Talanda A. M. High School	√	√	√	√
5. Char Mohon Pur High School	√	√	√	√
6. Sankarbaty Hefzul Ulum F.K. Alim Madrasha	√	√	√	√
7. Jahanabad High School	√	√	√	√
8. Jhitka Ananda Mohan High School	√	√	√	√
9. Manikganj Govt. High School	√	√	√	√
10. Joymontop High School	√	√	√	√
11. Malkhanagar High School	√	√	√	
12. Betka Union High School	√	√	√	√
13. District Education Office, Rajshahi	√	√	√	√
14. District Education Office, Chapainawabganj	√	√	√	√
15. District Education Office, Manikganj	√	√	√	√
16. District Education Office, Munshiganj	√	√	√	√

#### F. Records on Disclosure of Monitoring Information

The first EMR prepared in January 2017 has been disclosed to the ADB and SESIP. However, EED has been well aware through this EMR the kind of monitoring are required and to be documented for disclosure. EED is undertaking measures to comply with the ADB reporting requirements, and produce the necessary records for reporting purposes. This comprehensive monitoring plan is under preparation and will be disclosed by January 2018. To-date IEE reports were prepared for the following sub-projects for disclosure and approval: EARF 2017 for Tranche 3 was prepared by updating EARF 2013 as used for Tranch 1 and 2 civil works. This has been submitted to ADB

Table 13: Status of IEE/ EMP and Guidelines of Sub-projects Implementation.

Documents	Sub-Projects	Location
Initial Environmental Examination	Upzila Education office	Patharghata, Borguna, Bangladesh
Initial Environmental Examination	Model High School	Elongi, Chatak, Bangladesh
Initial Environmental Examination	Disrtic Education office	Bandorban, Bangladesh
Guidance for Incorporation of EMP Requirements into Contracts for SESIP Civil Works	a. 100 School Refurbishment b. 640 schools for Pre-Voc and Vocational c. 53 DEO office vertical extension	1. 100 School locations 2. 640 selected schools for Pre-Voc and Vocational locations 3. 53 DEO office locations
Guidance for Monitoring and Reporting of Environmental Safeguards for Civil Works - SESIP and ADB	a. 100 School Refurbishment b. 640 schools for Pre-Voc and Vocational c. 53 DEO office vertical extension	1. 100 School locations 2. 640 selected schools for Pre-Voc and Vocational locations 3. 53 DEO office locations
Updating of EARF 2013	Updated in May 2017	
IEE for haor School	Prepared in May 2017	

Rapid Environmental Assessment has been prepared for the 12 visited schools (subproject) and given in the Table -

## 7. Compliance of Safeguard Covenants of ADB Loan

### A. Tranche 1 Loan Covenant:

Table 14: Table 12: Compliance with Loan Covenants (Tranche 1)

Item	Description	Due Date	Status / Remarks
<b>Schedule 5, Para. No. 1</b>	Implementation Arrangements  The Borrower, MOE and DSHE shall ensure that the Project is implemented in accordance with the detailed arrangements set forth in the FAM. Any subsequent change to the FAM shall become effective only after approval of such change by the Borrower and ADB. In the event of any discrepancy between the FAM and this Loan Agreement, the provisions of this Loan Agreement shall prevail.		Complied.
<b>Schedule 5, Para. No. 2</b>	The Borrower, MOE and DSHE shall implement, manage, coordinate and monitor the Project in accordance with its objectives, responsibilities, funding mechanism, fiduciary requirements including those outlined in the PFM Action Plan and other program management arrangements as set out in the EARF, RF, SECPPF and GAP.		Complied.
<b>Schedule 5, Para. No. 3</b>	Borrower's contribution to the Investment Program  The Borrower shall provide its contribution to the Investment Program in a timely manner.		Complied.
<b>Schedule 5, Para. No. 4</b>	Staffing  The Borrower, MOE and DSHE shall ensure that the provision of reorganizing existing staff and additional staff as agreed between ADB and the Borrower are completed on a timely basis, including: (a) fully staffing the sector program support unit by December 2013, (b) adding all new positions created	Differentiated Target Dates	Staffing of SPSU was completed in March 2014. All other staffing arrangements has



Item	Description	Due Date	Status / Remarks
	under the Investment Program, as reflected in the Borrower's approved development project proforma (DPP) and FAM, shall be added under the revenue budget, and (c) completion of all staff reorganization by no later than 12 months after Effective Date.		also been completed. Issue of transferring to revenue budget not yet due.
<b>Schedule 5, Para. No. 5</b>	<p>PPMIS and Project Website</p> <p>Within 3 months of Effective Date, MOE shall create, and thereafter, maintain and regularly update, (a) a project and procurement management information system ("PPMIS") and (b) a comprehensive Program website. The Program website shall disclose information about all material matters relating to the Program and its implementation, including details about each package (for which Sector Program Support Unit at DSHE shall maintain separate records), and achievement of DLIs. In relation to procurement, the website shall include information on (i) package number and name, (ii) location of the school, (iii) estimated cost, (iv) financing agency, (v) date of issue of invitation for bids, (vi) date and time of submission and opening of bids, (vii) bid opening location, (viii) bid opening committee, (ix) bid opening statement, (x) names of bidders that purchased the bidding documents, (xi) names of bidders that submitted bids, (xii) names of the bid evaluation committee, (xiii) name of the approving authority, (xiv) name, designation and telephone number of officer in charge for implementation, (xv) name of the successful bidder, (xvi) contract amount, (xvii) date of start, and (xviii) scheduled date of completion.</p>		PPMIS and project website launched in March 2015 <a href="http://sesip.gov.bd/">http://sesip.gov.bd/</a>
<b>Schedule 5, Para. No. 6</b>	<p>Environment</p> <p>The Borrower shall ensure that the preparation, design, construction, implementation, operation and decommissioning of the Project and all Project facilities comply with (a) all applicable laws and regulations of the Borrower relating to environment, health and safety; (b) the Environmental Safeguards; (c) the EARF; and (d) all measures and requirements set forth in the respective IEE and EMP, and any corrective or preventative actions set forth in the Safeguards Monitoring Report to be provided to ADB.</p>		Complied. Also, 20 officials from EED and SPSU staff were trained on safeguard compliance in February 2015. EARF/IEE being implemented
<b>Schedule 5, Para. No. 7</b>	<p>Small Ethnic Community People</p> <p>The Borrower shall ensure that the preparation, design, construction, implementation, operation and decommissioning of the Project and all Project facilities comply with (a) all applicable laws and regulations of the Borrower relating to small ethnic community people; (b) the Small Ethnic Community People Safeguards Impact; and (c) all measures and requirements set forth in the SECPP, and any corrective or preventative actions (i) set forth in the Safeguards Monitoring Report to be provided to ADB, or (ii) subsequently agreed between ADB and the Borrower.</p>		Complied
<b>Schedule 5, Para. No. 8</b>	<p>Involuntary Resettlement</p> <p>The Borrower shall ensure that the Project does not have any Involuntary Resettlement Safeguards impact under SPS. In the event that the Project does have any such impact, the Borrower shall take all steps required to ensure that the Project complies with the applicable laws and regulations of the Borrower, any RP and with SPS.</p>		Complied.



Item	Description	Due Date	Status / Remarks
<b>Schedule 5, Para. No. 9</b>	Human and Financial Resources to Implement Safeguards Requirements The Borrower shall make available necessary budgetary and human resources to fully implement the EMP, any RP and the SECPP.		Complied.
<b>Schedule 5, Para. No. 10</b>	Safeguards – Related Provisions in Bidding Documents and Works Contracts  The Borrower shall ensure that all bidding documents and contracts for Works contain provisions that require contractors to: (a) comply with the measures relevant to the contractor set forth in the IEE, the EMP, any RP and SECPP (to the extent they concern impacts on affected people during construction), and any corrective or preventative actions set forth in the safeguards monitoring report;  (b) make available a budget for all such environmental and social measures;  (c) provide the Borrower with a written notice of any unanticipated environmental, resettlement or small ethnic community peoples risks or impacts that arise during construction, implementation or operation of the Project that were not considered in the IEE, the EMP, any RP and SECPP;  (d) adequately record the condition of roads, agricultural land and other infrastructure prior to starting to transport materials and construction; and  (e) Reinstate pathways, other local infrastructure, and agricultural land to at least their pre-project condition upon the completion of construction.		Complied. Bidding documents & work contract include safeguards (implementation of EMP)
<b>Schedule 5, Para. No. 11</b>	Safeguards Monitoring and Reporting  The Borrower shall do the following or cause MOE to do the following: (a) submit semiannual Safeguards Monitoring Reports to ADB and disclose relevant information from such reports to affected persons promptly upon submission;  (b) if any unanticipated environmental and/or social risks and impacts arise during construction, implementation or operation of the Project that were not considered in the IEE, the EMP, any RP and SECPP, promptly inform ADB of the occurrence of such risks or impacts, with detailed description of the event and proposed corrective action plan;  (c) report any actual or potential breach of compliance with the measures and requirements set forth in the EMP, any RP or SECPP promptly after becoming aware of the breach; and  (d) in respect of implementation of any compliance with Involuntary Resettlement Safeguards and Indigenous Peoples Safeguards.		Safeguard Compliance Report submitted in January 2017.
<b>Schedule 5, Para. No. 12</b>	Prohibited List of Investments  The Borrower shall ensure that no proceeds of the Loan are used to finance any activity included in the list of prohibited investment activities provided in Appendix 5 of the SPS.		Complied.

Item	Description	Due Date	Status / Remarks
<b>Schedule 5, Para. No. 13</b>	<p>Labor Standards</p> <p>The Borrower shall ensure that (a) civil works contractors comply with all applicable labor laws and regulations, do not allow employment of child labor for construction and maintenance activities, encourage the employment of the poor, particularly women, and provide appropriate facilities for women and children in construction campsites; (b) people directly affected by the Project are given priority to be employed by the Project; (c) contractors do not differentiate wages between men and women for work of equal value; and (d) specific clauses ensuring these will be included in bidding documents.</p>		Complied.
<b>Schedule 5, Para. No. 14</b>	<p>Health</p> <p>The Borrower shall ensure that contractors provide adequately for the health and safety of construction workers and further ensure that bidding documents include measures on how contractors will address this, including information and awareness raising activities for construction workers on sexually transmitted diseases, HIV/AIDS, and human trafficking.</p>		Complied.
<b>Schedule 5, Para. No. 15</b>	<p>Governance and Anticorruption</p> <p>The Borrower, MOE and DSHE shall (a) comply with ADB's Anticorruption Policy (1998, as amended to date) and acknowledge that ADB reserves the right to investigate directly, or through its agents, any alleged corrupt, fraudulent, collusive or coercive practice relating to the Project; and (b) cooperate with any such investigation and extend all necessary assistance for satisfactory completion of such investigation.</p>		Complied.
<b>Schedule 5, Para. No. 16</b>	<p>The Borrower and MOE shall ensure that the anticorruption provisions acceptable to ADB are included in all bidding documents and contracts, including provisions specifying the right of ADB to audit and examine the records and accounts of the executing and implementing agencies and all contractors, suppliers, consultants, and other service providers as they relate to the Project.</p>		Complied.
<b>Schedule 5, Para. No. 17</b>	<p>The Borrower and MOE shall ensure that detailed information on project implementation, including those maintained in PPMIS, is made readily available to the public through the MOE website and Government's bulletin boards. This shall include all relevant information and documents relating to procurement as outlined in paragraph 5 above.</p>		Complied.
<b>Schedule 5, Para. No. 18</b>	<p>Gender Action Plan</p> <p>The Borrower shall ensure that the Gender Action Plan is effectively implemented including all the specific targets outlined in the GAP.</p>		Complied.

Source: SESIP (Dated 12 Jan, 2017)

**B. Tranche 2 Loan Covenants:****Table 15: Compliance with Loan Covenants (Tranche 2)**

Item	Description	Due Date	Status / Remarks
<b>Schedule 5, Para. No. 1</b>	<p>Implementation Arrangements</p> <p>The Borrower, MOE and DSHE shall ensure that the Project is implemented in accordance with the detailed arrangements set forth in the FAM. Any subsequent change to the FAM shall become effective only after approval of such change by the Borrower and ADB. In the event of any discrepancy between the FAM and this Loan Agreement, the provisions of this Loan Agreement shall prevail.</p>		Complied.
<b>Schedule 5, Para. No. 2</b>	<p>The Borrower, MOE and DSHE shall implement, manage, coordinate and monitor the Project in accordance with its objectives, responsibilities, funding mechanism, fiduciary requirements including those outlined in the PFM Action Plan and other program management arrangements as set out in the EARF, RF, TMECPPF and GAP.</p>		Complied.
<b>Schedule 5, Para. No. 3</b>	<p>Borrower's contribution to the Investment Program</p> <p>The Borrower shall provide its contribution to the Investment Program in a timely manner.</p>		Complied.
<b>Schedule 5, Para. No. 4</b>	<p>Staffing</p> <p>The Borrower, MOE and DSHE shall ensure that the reorganized staff and provision of additional staff for the Investment Program as agreed between ADB and the Borrower, including full staffing for the sector program support unit in [MOE/DSHE], will be maintained for the duration of the Investment Program.</p>		Complied.

Item	Description	Due Date	Status / Remarks
<b>Schedule 5, Para. No. 5</b>	<p>PPMIS and Investment Program Website</p> <p>MOE shall maintain and regularly update the project and procurement management information system ("PPMIS") established for the Investment Program and a comprehensive Investment Program website. The Investment Program website shall disclose information about all material matters relating to the Investment Program and its implementation, including details about each package (for which Sector Program Support Unit at DSHE shall maintain separate records), and achievement of DLIs. In relation to procurement, the website shall include information on</p> <ul style="list-style-type: none"> <li>(a) package number and name,</li> <li>(b) location of the school,</li> <li>(c) estimated cost,</li> <li>(d) financing agency,</li> <li>(e) date of issue of invitation for bids,</li> <li>(f) date and time of submission and opening of bids,</li> <li>(g) bid opening location,</li> <li>(h) bid opening committee,</li> <li>(i) bid opening statement,</li> <li>(j) names of bidders that submitted bids,</li> <li>(k) name of the approving authority,</li> <li>(l) name, designation and telephone number of officer in charge for implementation,</li> <li>(m) name of the successful bidder,</li> <li>(n) contract amount,</li> <li>(o) date of start, and</li> <li>(p) Scheduled date of completion.</li> </ul>		<p>PPMIS developed that provides the agreed information.</p> <p><a href="http://sesip.gov.bd/">http://sesip.gov.bd/</a></p>
<b>Schedule 5, Para. No. 6</b>	<p>Environment</p> <p>The Borrower shall ensure that the preparation, design, construction, implementation, operation and decommissioning of the Project and all Project facilities comply with (a) all applicable laws and regulations of the Borrower relating to environment, health and safety; (b) the Environmental Safeguards; (c) the EARF; and (d) all measures and requirements set forth in the respective IEE and EMP, and any corrective or preventative actions set forth in the Safeguards Monitoring Reports to be provided to ADB.</p>		Complied.
<b>Schedule 5, Para. No. 7</b>	<p>Tribes, Minor Races, Ethnic Sects and Community Peoples</p> <p>The Borrower shall ensure that the preparation, design, construction, implementation, operation and decommissioning of the Project and all Project facilities comply with (a) all applicable laws and regulations of the Borrower relating to tribes, minor races, ethnic sects and community peoples; (b) the Tribes, Minor Races, Ethnic Sects and Community Peoples Safeguards impact; and (c) all measures and requirements set forth in the TMECPP, and any corrective or preventative actions (i) set forth in the Safeguards Monitoring Report to be provided to ADB, or (ii) subsequently agreed between ADB and the Borrower.</p>		Complied.
<b>Schedule 5, Para. No. 8</b>	<p>Involuntary Resettlement</p> <p>The Borrower shall ensure that the Project does not have any land acquisition or involuntary resettlement impact</p>		Complied.

Item	Description	Due Date	Status / Remarks
	under SPS. In the event that the Project does have any such impact, the Borrower shall take all steps required to ensure that the Project complies with the applicable laws and regulations of the Borrower, the RF, any RP and with SPS.		
<b>Schedule 5, Para. No. 9</b>	Human and Financial Resources to Implement Safeguards Requirements  The Borrower shall make available necessary budgetary and human resources to fully implement the EMP, any RP and the TMECPP.		Complied.
<b>Schedule 5, Para. No. 10</b>	Safeguards – Related Provisions in Bidding Documents and Works Contracts  The Borrower shall ensure that all bidding documents and contracts for Works contain provisions that require contractors to:  (a) comply with the measures relevant to the contractor set forth in the IEE, the EMP, any RP and TMECPP (to the extent they concern impacts on affected people during construction), and any corrective or preventative actions set forth in the safeguards monitoring report;  (b) make available a budget for all such environmental and social measures;  (c) provide the Borrower with a written notice of any unanticipated environmental, resettlement or tribes, minor races, ethnic sects and community peoples risks or impacts that arise during construction, implementation or operation of the Project that were not considered in the IEE, the EMP, any RP and TMECPP;  (d) adequately record the condition of roads, agricultural land and other infrastructure prior to starting to transport materials and construction; and  (e) Reinstate pathways, other local infrastructure, and agricultural land to at least their pre-project condition upon the completion of construction.		Complied.
<b>Schedule 5, Para. No. 11</b>	Safeguards Monitoring and Reporting  The Borrower shall do the following or cause MOE to do the following:  (a) submit semi-annual Safeguards Monitoring Reports to ADB and disclose relevant information from such reports to affected persons promptly upon submission;  (b) if any unanticipated environmental and/or social risks and impacts arise during construction, implementation or operation of the Project that were not considered in the IEE, the EMP, any RP and TMECPP, promptly inform ADB of the occurrence of such risks or impacts, with detailed		Complied.

Item	Description	Due Date	Status / Remarks
	<p>description of the event and proposed corrective action plan;</p> <p>(c) report any actual or potential breach of compliance with the measures and requirements set forth in the EMP, any RP or TMECPP promptly after becoming aware of the breach; and</p> <p>(d) in respect of implementation of any compliance with Involuntary Resettlement Safeguards and Tribes, Minor Races, Ethnic Sects and Community Peoples Safeguards.</p>		
<b>Schedule 5, Para. No. 12</b>	<p>Prohibited List of Investments</p> <p>The Borrower shall ensure that no proceeds of the Loan are used to finance any activity included in the list of prohibited investment activities provided in Appendix 5 of the SPS.</p>		Complied.
<b>Schedule 5, Para. No. 13</b>	<p>Labor Standards</p> <p>The Borrower shall ensure that (a) civil works contractors comply with all applicable labor laws and regulations, do not allow employment of child labor for construction and maintenance activities, encourage the employment of the poor, particularly women, and provide appropriate facilities for women and children in construction campsites; (b) people directly affected by the Project are given priority to be employed by the Project; (c) contractors do not differentiate wages between men and women for work of equal value; and (d) specific clauses ensuring these will be included in bidding documents.</p>		Complied.
<b>Schedule 5, Para. No. 14</b>	<p>Health</p> <p>The Borrower shall ensure that contractors provide adequately for the health and safety of construction workers and further ensure that bidding documents include measures on how contractors will address this, including information and awareness raising activities for construction workers on sexually transmitted diseases, HIV/AIDS, and human trafficking.</p>		Complied.
<b>Schedule 5, Para. No. 15</b>	<p>Governance and Anticorruption</p> <p>The Borrower, MOE and DSHE shall (a) comply with ADB's Anticorruption Policy (1998, as amended to date) and acknowledge that ADB reserves the right to investigate directly, or through its agents, any alleged corrupt, fraudulent, collusive or coercive practice relating to the Project; and (b) cooperate with any such investigation and extend all necessary assistance for satisfactory completion of such investigation.</p>		Complied.
<b>Schedule 5, Para. No. 16</b>	<p>The Borrower and MOE shall ensure that the anticorruption provisions acceptable to ADB are included in all bidding documents and contracts, including provisions specifying the right of ADB to audit and examine the records and accounts of the executing and implementing agencies and all contractors, suppliers, consultants, and other service providers as they relate to the Project.</p>		Complied.
<b>Schedule 5, Para. No. 17</b>	<p>The Borrower and MOE shall ensure that detailed information on Project implementation, including those maintained in PPMIS, is made readily available to the</p>		A website developed for the program <a href="http://sesip.gov.bd/">http://sesip.gov.bd/</a>

Item	Description	Due Date	Status / Remarks
	public through the MOE website and Government's bulletin boards. This shall include all relevant information and documents relating to procurement as outlined in paragraph 5 above.		That included PPMIS. Necessary information are being uploaded in the website.
<b>Schedule 5, Para. No. 18</b>	Gender Action Plan The Borrower shall ensure that the Gender Action Plan is effectively implemented including all the specific targets outlined in the GAP.		Complied.

Source: SESIP

### C. Loan review Mission (17 July-1 august): Observations and Compliances

#### School Infrastructure Improved:

- a. **Refurbishment of Schools.** A draft Secondary Education Minimum Construction Standards and a Draft Prioritized Infrastructure Development Plan have also been developed and are being reviewed by the concerned stakeholders. Mission advised MOE to approve the Institution Construction Policy Guideline by 31 August 2017, and DSHE/ SPSU to finalize the Guideline for Minimum Construction Standards and the Prioritized Infrastructure Development Plan by October 2017
- b. **Environmental Safeguards and Management for Civil Works.** SESIP is a category 'B' project and an Environmental Assessment and Review Framework (EARF) has been prepared to comply with the provision of SPS 2009. The EARF provided detailed guidance on the identification and mitigation of environmental impacts of the sub-projects, although potential adverse impacts are expected minimal.

The mission reviewed the environmental safeguards implementation progress and the Environmental Monitoring Report (EMR) prepared by the DSHE and noted the results of spot checks in 12 schools and 5DEO (Vertical/horizontal extension). As reported in the June 2018 EMR, implementation of environmental safeguard measures is very limited, and preparation and implementation of the Environmental Management Plan (EMP) is not diligently taking place for the civil works by the contractors. The mission concerned about the findings of spot checks and recommends proper implementation of the EARF. As guided in the EARF, the EMPs has been included into the Bidding Documents of all the construction packages so that it serves as a condition of contract for adopting the Environmental Code of Practices by the prospective contractor(s). The DSHE needs to ensure that the implementation of the EMP and/or Environmental Code of Practices is done by the contractor(s) and the overall implementation work should be supervised by the Construction Supervision Consultant, in close consultation with the EED.

**D. Special Project Administration Mission (19 April – 3 May 2018):****Table 16: Observations and Compliances of Special Project Administration Mission**

Item	Observations	Due Date of compliances	Status / Remarks
<b>Art. 18 Output area3.2</b>	<b>EMIS Capacity Assessment and Development Plan.</b> Tranche 1 supports EMIS capacity assessment and the development of a comprehensive plan for strengthening EMIS. The existing status of EMIS should be assessed, and a plan to improve the EMIS system is to be completed by October 2018. A firm was deployed on 11 March 2018 to update the EMIS software (SD-17). It will provide service to upgrade EMIS modules and will support the design of the EMIS Data Center, which includes goods and works to modernize the DSHE EMIS. Currently, under SESIP, the Secondary School Quality Standards (SSQS) software has been institutionalized. This software allows field-level input data on SSQS assessments of each institution for identifying infrastructure improvement needs to be prioritized for Tranche 3.	October 2018	Process of data collection and reporting has been discussed for the development of data entry for Semi-Annual Monitoring Report on Environmental Safeguard for civil construction and operation of the schools
<b>Art. 26 Output area3.5 (b,c &amp;d)</b>  <b>Procurement Progress Review</b>	(a) It was noted that selection of 640 schools for construction/reconstruction under PVIP has been completed and EED's proposal for re-arranging of 38 packages into 640 lot tenders has also been, in principle, concurred by the ADB (conditional on the tendering of 369 single-school lots approved earlier). Considering the remaining time of the program (8 months), major challenge will be to complete civil works under agreed 640 lots tenders. The EED is required to initiate tendering process and EED/SPSU constantly monitor the progress of contract awarding/implementation based on preparing the ADB-advised action plan.	10 May	Being complied
	(b) The Mission noted that the construction of 25 TEOs still remains a challenge for DSHE as there are no available sites. Mission was informed that after signing of the contract with the contractor, implementation of DEO Bandarban has been stalled because of dispute on the construction site. The Mission strongly recommends that SPSU without further delay take the site issue with the SHED/DSHE/EED and resolved the problem, especially for facilitating civil works	30 June 2018	Under process of compliance



Item	Observations	Due Date of compliances	Status / Remarks
	construction of DEO Bandarban.		
	(c) The Mission observed that construction work for extension of NAEM Building Hostel building (from 8th to 11th Floor) has been completed and two classrooms has been refurbished. But the extended or refurbished rooms are not being used as furniture has not been procured yet. SESIP has the provision for procurement of furniture for NAEM under GD-71.	NAEM has recently requested SPSU to process the procurement.	considering the urgency, Mission advised SPSU take up the responsibility to expedite the procurement
<b>Art. 30: Environmental Safeguards and Management.</b>	The Secondary Education Sector Investment Program (SESIP) is a category B project and an Environmental Assessment and Review Framework (EARF) was prepared. The mission reviewed overall implementation progress of environmental safeguards and note substantial improvement since the last mission. Mainstreaming of environmental safeguards into project design and implementation has been initiated by incorporating ADB's guidance on the environmental safeguards into the SESIP Construction Manual.	Regular environmental monitoring of civil works by EED and DSHE and submission of semi-annual EMR by 7 July 2018 and 31 December 2018;	DSHE/ EED to follow up on the (i) inclusion of Environmental Management Plans (EMPs) in the bidding documents for remaining civil works packages and implementation of the EMP by the contractor(s) and (ii) completion of water quality (at least arsenic, coliform) test for all drinking water points with reports submitted timely.
	EED and DSHE successfully organized day-long training sessions on the Environmental Safeguards and Management for Head Teachers, EED Engineers, School Management Committee (SMC) and District Education Officers with the support of ADB Bangladesh Resident Mission. The mission acknowledged with appreciation that 196 participants from six divisions (Dhaka, Jashore, Chattogram, Sylhet, Rajshahi, and Barisal) have been trained from February to April 2018.	April, 2018	Complied

Item	Observations	Due Date of compliances	Status / Remarks
<b>Art. 34 (d)</b> <b>Pre-vocational and Vocational Program.</b>	Introduction of Pre-vocational and Vocational (PVIP) is one of the major components under SESIP Tranche 2 which involves substantial inputs (civil works, ICB packages for equipment supply, teacher recruitment and training, etc.). Meanwhile, 640 institutions selected based on the criteria given in the PVIP report. Tender processed commenced for 369 single- school packages at EED and tendering would be done. Advise EED to complete the civil works.	December 31, 2018	Plan has been approved in principle during the meeting held in SHED, MOE on 20 August 2017 under the chairmanship of Honorable Education Minister.
	The PVIP report was presented in a meeting on 04 April 2018 chaired by secretary and it was decided that the report would be shared with TMED for their comments. MOE/DSHE will select the trade for PVIP	15 May 2018	

#### **E. Observations and Compliances of Disbursement-Linked Indicator (DLI) Verification Mission (TRANCHE 1&2) (2 – 6 December 2018)**

**Status of Loan Covenants.** Although some delays, status of compliance with loan covenants is generally satisfactory. MOE assured the Mission to accomplish the pending covenants as per revised time line agreed with the Mission.

#### **Civil Works.**

**Pre-vocational and Vocational Program.** Introduction of Pre-vocational and Vocational (PVIP) is one of the major components under SESIP Tranche 2 which involves substantial inputs (civil works, ICB packages for equipment supply through ICB, teacher recruitment and training, etc.). It was noted that according to the approved PVIP plan 640 institutions have been selected and progress of civil works is at different stages, except a few. Mission observed that major activities relating to PVIP, e.g. tendering process of equipment through ICB, teacher recruitment and training activities are yet to commence..

370 subprojects Soil testing and preparing cost estimate complete and procurement process started. 383 has been granted NOA . Alternative land under search as 34 sub-project site needs piling (cost escalation) 15 relocated sub-project are under soil investigation . In 18 sub-project there is no land for further construction. 19 sub-project still under process of approval of cost estimate EED cannot proceed with civil works' tender invitation because of non-availability of land/site transfer, non-feasibility of vertical extension on existing DEO buildings, etc. Since in almost all civil works packages needs some changes over the approved DPP provisions,

<b>DLI 2: ICT in Schools</b>	DSHE/ SESIP submitted all necessary reports and certifications as required under the protocol of this DLI. Third party verification report is also submitted by the consulting firm. The report reveals the detailed description of the implementation progress of ILCs and mentioned that despite delays the implementation of the plan for introduction of the ICT in pedagogy outputs, almost all DLI 2 target indicators have been met.		Submitted evidences indicate that there has been satisfactory accomplishment of all tasks to meet the DLI. Mission also pleased to note with appreciation that DSHE/ SESIP not only met the targets but in some instances over achieved them.
	The Mission noted that out of 5 ICB packages, supplies under 3 packages were completed, contract of one package was signed and bidding process of the remaining one (GD-50, PVIP) has already been initiated. PVIP plan is approved, trades are selected, list of equipment and specification with cost estimation is done. It was informed that due to increase of estimated cost, the PVIP package (GD-50) needs to be re-arranged into two ICB packages with 5 lots in each. Asking ADB's concurrence on this re-arrangement is also in process.		The Mission advised SPSU to send the proposal to ADB by 8 December 2018 and invite the bid for PVIP contracts by 31 December 2018;
	It was noted that almost all packages/contracts related to civil construction have either been completed (WD01-38, WD39-76, WD162) or under process/ implementation (WD80-117, 122-159), except 'construction of 25 TSEOs' (WD118-121). The Mission was informed that due to unavailability of land, not all but 8 TSEOs may be completed within the loan period. Mission requested SHED/DSHE to take immediate steps to find suitable sites for the remaining 17 TSEOs. The Mission also requested EED to complete the implementation of all lot contracts related to 47 DEO extension, 8 TSEOs, and 640 PVIP SPSU is requested to decide revision of allocation for lot contracts. Re-estimation of costs because of piling and other problems and place the fund to EED based on their absorption capacity	June 2019.  10 December 2018	
	Since furniture, computer & equipment are to be made available just at the completion of construction work of DEOs, PVIP schools, NAEM building (completed a couple of months ago) and 100 schools, related Goods packages need immediate initiation and processing for invitation.		The Mission advised SPSU/FPW to initiate the tendering process of construction related furniture and computer packages by 31 December 2018.
	<b>Agreements:</b> (ii) SPSU will send the GD-50 bifurcation proposal to BRM by 8 December and invite the tender by 31 December 2018. (iii) The EED/SPSU will take all necessary steps to implement all contracts related to Construction of DEOs and PVIP by 30 June 2019. (iv) The SPSU will consider the proposal of increase of allocation for PVIP contracts where piling need warrants for re-estimation and place the fund in favor		

	<p>(v) EED based on their utilization capacity by 10 December 2018.</p> <p>(vi) All goods tenders related to construction will be invited by the SPSU/FPW by 31 December 2018.</p> <p>(vii) SPSU will send submission-0/1 to BRM by 10 December and invitation of REOI will be advertised for TLposition by 15 December 2018.</p> <p>(viii) SPSU/FPW will initiate processing of all remaining goods/service tenders by 20 January 2019.</p>		
	<p>(a) <b>Pre-vocational and Vocational Program.</b> Introduction of Pre-vocational and Vocational (PVIP) is one of the major components under SESIP Tranche 2 which involves substantial inputs (civil works, ICB packages for equipment supply through ICB, teacher recruitment and training, etc.). It was noted that according to the approved PVIP plan 640 institutions have been selected and progress of civil works is at different stages, except a few. Mission observed that major activities relating to PVIP, e.g. tendering process of equipment through ICB, teacher recruitment and training activities are yet to commence..</p>		SHED/ DSHE, SPSU are advised to take immediate steps to implement this very important reform activities of SESIP within the extended period of the program

## G. Major Issues

The Mission brought to the attention of the government on following critical issues which require MOE's special attention:

Sl. No.	Actions	Responsibility	Agreed timeline
1.	Withdrawal application for disbursement will be sent to ADB, BRM	PCU/ SHED	10 December 2018
2.	SPSU will send the GD-50 bifurcation proposal to BRM, and invite the tender	SPSU/DSHE	8 December 2018 31 December 2018
3.	The EED/SPSU will take all necessary steps to implement all contracts related to Construction of DEOs and PVIP	EED, SPSU	30 June 2019
4.	The SPSU will consider the proposal of increasing allocation for PVIP contracts where piling need warrants for re-estimation and place the fund in favor EED based on their utilization capacity	SHED/ MOE	10 December 2018
5.	All goods tenders related to construction will be invited by the SPSU/FPW	SPSU/ FPW	31 December 2018

Sl. No.	Actions	Responsibility	Agreed timeline
6.	SPSU will send submission-0/1 to BRM, and invitation of REOI will be advertised for TL position by 15 December 2018	SPSU/DSHE	10 December 2018 15 December 2018
7.	SPSU/FPW will initiate processing of all remaining goods/service tenders	SPSU/ FPW	20 January 2019
8.	F&PW/SPSU will make all possible efforts to settle all pending audit observations	FPW/ SPSU	31 December 2018
9.	DSHE/SPSU will recruit a full-time Gender Specialists for proper recording and appropriate reporting of GAP.	DSHE/SPSU	31 March 2019
10.	SHED/MOE will take appropriate decision for decentralization of education management	SHED/MOE	31 March 2019
11.	SHED/ DSHE will take appropriate measures to establish a separate stipend unit in DSHE	SHED/ DSHE	31 December 2018

Source : ADB Mission (2 – 6 December 2018)

Compliances of the above will be reported in the semi-annual EMR due by June 2019.

## 8. Capacity Development

*Capacity on construction and environmental management needs to be strengthened at all levels of the EA including DSHE, EED, PIU/SESIP. SESIP will implement capacity building measures through training, exposure visit to ideal schools in major divisions. Following capacity development training has been recommended in EARF. Detailed Capacity Building Program will be developed by SESIP as per need for EARF implementation and capacity building program to EED/DSHE (training, research, and development). SESIP will organize training for EED Engineers, SMC and Contractors with support from ADB BRM resource person for Training on construction of resilient school buildings.*

### A. Training and Induction

Personnel including staff, employees and contractors will undertake appropriate training to ensure they are aware of their on-site responsibilities in respect to all construction management and environmental issues. This will be achieved through the implementation of on-site induction and specific training programs designed to ensure that all on-site personnel are competent and aware of any construction and environmental management procedures relevant to their activities.

All staff and contractors working on site will be inducted into a construction and environmental management program as a condition of site entry. The induction process covers all details of the Screening (planning), Design of Infrastructure, EARF, IEE, EIA, EMP and EMR.

**a. Rationale for Training:**

Sustainability of project outcome could be achieved only when people and environment are protected from the potential adverse impact due to project activities. It requires strong safeguard system and institutional capacity of project Executive Agency for proper identification and assessment of construction and environmental impacts, preparation of a sound environmental management plan (EMP) and its proper implementation along with keen construction management (through check list annex-4) environmental monitoring and reporting mechanism. In fact, there are lack of capacity in terms of human resources with expertise and knowhow within the GOB institutions in Bangladesh. From these consideration and from the perspective of SPS, 2009, Asian Development Bank (ADB) and Bangladesh Environmental Regulations, a series of one day training on environmental and social safeguard compliance particularly environmental management, monitoring and other relevant matters has been planned for strengthening capacity to all levels of the implementing agency including DSHE, EED, and the SESIP implementation unit.

The training was accomplished through a series of presentations, lecture, participatory exercise and interactive discussion. This one day training will be conducted by the experienced and skilled ADB staff and reputed environmental experts.

Training will be organized for 640 for EED engineers (civil works), Head Teacher/ SMC members (operation of school), contractors and DSHE officials

- The training programs include: (i) training on construction management (drawing and design) and environmental safeguards and compliances; (ii) orientation on physical design, environmental planning and management of school and school- facilities; and (iii) mechanisms for coordination and for accessing specific environmental services e.g. water-quality testing, climate resilient school building construction, etc.
- ADB Bangladesh Resident Mission's Environment Officer, will be requested to support in preparing training materials; conduct training for EED staff/school teachers/students.

**b. Objectives of the Training**

The objectives of the training are to:

- a) Innovative architectural / civil works design view point as a part of EED capacity building. Build awareness and basic capacity for the stakeholders in regards to Construction Management , Environmental and Social safeguards monitoring and compliance
- b) Develop a sense of ownership and responsibility among the actors in ensuring compliance regarding Environment and Social Safeguards in project management
- c) Develop capacity on monitoring supervision and reporting for the quality control of civil construction works Participants gain an understanding on supervision of EMP implementation and how to improve construction management and environmental performance of sub-project
- d) Understanding on how to undertake monitoring and supervision of construction, implementation of EMP of the subproject.

### ***c. Training Methods/Approaches***

The training will be accomplished through a series of presentations, lecture, participatory exercise and interactive discussion. In this training, participants will be involved in exercises on Construction Management (CAD, CPU), EMP and environmental monitoring, construction supervision and reporting.

Participants will be provided with a brief training manual along with the program, presentation materials and handouts during registration. The training workshop will be conducted by the experienced and skilled Consulting staff and nationally reputed guest resource persons with experience in construction management and environmental assessment, mitigation measures, and monitoring.

### ***d. Targeted participants***

To comply with ADB's SPS (2009) and GOB rules (ECR 1997) as guided in EARF most supervising engineers of EED need the 'Best construction practice' and Environmental Safeguard and Management Training. There are about 1200 engineers and supporting staff who are involved in Civil Works for construction/ extension of selected 640 Schools (640 sub-projects) and vertical extension of DEO as recommended by ADB mission for Tranche1 and 2. Apart from them contractor involved in the construction work and responsible for implementation of EMP need to be trained. The civil works under tranche 1 and 2 has been increased by 7 folds(700 sub-projects) under SESIP funding. The training need to be expanded to all the stakeholder including of persons responsible for operation of schools like EED supervising Officers, Head Teacher and SMC members, DSHE officials. The following is the chart shows the distribution of stakeholder in the participation of the Environmental Safeguard and Management Training. The training can be distributed at the Zonal level of EED. About 2000 trainee will bring under the training program working at 38 zones divided into 16 zones and having 40 participants in each batch. The training need to be completed by June 2019.

**Table 17: Listing of trainee of different discipline during**

Category	Nos./ each zone/batch	Total	Remarks.
EED Engineers	25	400	Zonal Office
HT/SMC	5	80	Select in consultation with Director and DEO
DEO	5	80	All DEOs
Contractors	5	80	Select in consultation with EED



## 9. Recommendation and Conclusion

### A. Key Issues and Recommendations made in EMR

The key issues and measures recommended are (i) Preparation of REA and EMP for all sub-projects (ii) Engagement of ESE till December 2019 to guide the environmental focal person of EED.

Civil works contracts and procurement was undertaken by the PMU's (SESIP) and by engineers of the EED and the PIUs(EED). The performance of the EED was likewise less than satisfactory owing to (i) keep the PMU /PIU ignorant about the implementation of EMP as part of bid documents; (ii) EED's lack of knowledge of the requirements for preparation of "good-for-construction" drawings; (iii) inadequate assurance that construction materials met the required construction standards; and (iv) lack of engineer approval of sample material used, both before and after the execution of works (all these are part of EMP). This will be updated through reporting in a checklist format on regular basis.

#### a. Status on Issues and Recommendations of June 2018 EMR and its compliances

Table 18 : Issues and Recommendations for PMU, EED and their Rationale

Issues/Work Activity		Recommendations	Compliances After EMR August.2017	Compliances After EMR June, 2018
1	EMP design is delayed	EMP is delayed for 'civil construction' which is a small portion of project activity.	Measures is being taken for works like District Education Office at Bandorbon, CHT	Complied
2	Annual EMRs were delayed during SESIP	Delayed civil construction. Operation of school has its monitoring procedure according to TOR	Submission of semi-annual environmental, Monitoring Report started in January 2017. followed by July 2017, December 2017, June 2018.	Complied
3	Environmental Clearance Certificate	Application required from SESIP for ECC. The DOE, will require IEE/ SIEE and present EMR to accompany the application	ECC requirements is still a confusion as none of the school building refurbishment is category B. However we need to submit the EARF and EMR to know as what's going on in the project	Complied
4	Appointing ES under SESIP	ES will supervise the implementation of EMP and preparation EMR for DOE, ADB etc.	Environmental Safeguard Expert need to continue till the completion of civil works under T-1 and T-2 ie. December 2019.	Need further processing for engagement of ESE
5.	Develop and provide training to the staff of the executing agency, Contractors and the Consultant	Environmental safeguard Expert organize and conduct the training as recommended in EARF	The training program for 640 persons has been planned.	Under process
	EMIS and SSQS Upgrading	The EMIS and SSQS database may be upgraded to accommodate the information collected during monitoring particularly of school environment	The EMIS consultant has been requested to develop a module to accommodate Environmental data base.	Under process. Needs further interaction with EMIS Experts.



Table 19: Compliances on Recommendation of institutional aspect and coordination

Recommendation as in EMR June, 2017	Compliances/Remarks
a. Engineering best practice is not visible in the works of EED. Engineering best practice can help the supervising engineers of EED to be focal person for EMP implementation.	Being Complied
b. All sub-projects should have Rapid Environmental Examination (REA) by the Supervising Engineer for taking decision by Executive Engineer if it needed IEE preparation.	25% schools prepared REA
c. Regular focal person should be placed to monitor the preparation of IEE/EMP, Implementation of EMP for Semi-Annual Environmental (safeguard) Monitoring Report for the project. School environment to be monitored for wellbeing and safety of the school children.	Partially Complied
d. Till the available of the environmental focal person from DSHE and creation of Environmental Unit ADB should support with an Environmental Safeguard Specialist.	Complied
e. Creation of EU in EED should be guaranteed by the Ministry of Education. Superintendent Engineer Design/Planning will lead with an ESE counterpart.	Process still to start
f. The Supervising Engineer , Contractor , SMC/ Head Teacher should use format for reporting on regular basis so that Semi-Annual Environmental Report can be submitted in time.	Monitored 12 Schools and 5 DEO extension
g. Format prepared for design, construction supervision, as check list to be filled on regular basis for reporting quality control of civil works. This will incorporated in the semi-annual EMR (640 PVIP, 47 DEO, 1 NEW DEO ETC.)	Process still to start
h. Regular training program should be conducted for all Supervising Engineer, some contractor's focal person and SMC/Head Teacher (min 210 recommended) for the project. Regular review needed for the capacity development of EU/EED in implementing EMP.	Complied
i. Consultation (FGD) and Coordination among EED (responsible for civil works), Education Board (responsible for approval based on school environment), BANBEIS (responsible for database development) and programs like SESIP, SEQAEP and other ongoing relevant projects in the area are highly required should be mentioned in the TOR of ESE.	Participation need to be guaranteed
j. Field checking for implementation of EMP could only cover 10% of the sub-projects which is very low. The ESE should ensure that 30-40% sub-projects is inspected and field report and stakeholder consultation are available in Environmental Monitoring Reporting.	2% has been done

Table 20: Recommendation on Capacity Building in EMR June 2018 and its compliances

Recommendation as in EMR June, 2017	Compliances/Remarks
a. Civil works progress is not satisfactory and fall short of screening and EMP implementation. EED need to complete balance of civil works for the as shown in the above table by June 2018. The support of an Environmental Safeguard Expert will be necessary for monitoring the EMP implementation in civil works and finalizing the Semi-annual Environmental Monitoring Report due in December 2018.	Complied
b. In the updated EARF 2017 it is recommended to have Contractors Environmental Management Plan (CEMP) which will be part of bid document and must be implemented by the contractor during construction. The cost of EMP implementation will be provided in the bid so that contractor is being paid for such mitigation works. This can also include the Water quality sampling regularly, plantation if required etc.	Contractors still to be trained to take up the responsibility
c. DSHE should consider to have MOU with DPHE for blanket monitoring of water quality and sanitation in the schools as they are understood to have doing with Department of Primary Education.	Need to be organized
d. Review of bid documents and procurement packages undertaken by EED if Environmental Management Plan is inclusive.	Complied
e. Prepare Rapid Environmental Assessment (REA) for each sub-project for categorization if it requires any IEE. As per EARF 2013, this should have done by the supervising engineer.	Complied
f. Contractor's EMP will be reviewed and advise if the deficiencies are noted	Contractors has not submitted
g. Support to improve the implementation procedure adopted by the supervising engineer, contractor and Head teacher (school environment).	Complied
h. Review the tendering procedure in the light of ADB's master e-tender bidding.	Complied
i. Support and guidance the civil works were undertaken by EED on regular basis for SESIP for Tranche 1 and Tranche 2.	Complied
j. Interaction and cooperation with SESIP, SPSU, EED and other organization related to sub-project civil works.	Complied
k. Orientation training at field level (supervising engineers, contractors and head Teachers) should be taken up to understand the 'self' reporting for safeguard monitoring on regular basis..	Complied

Table 21: Summarized Issues

Recommendation as in EMR June, 2018	Compliances/Remarks
a. The basic principles of EARF regarding small-scale infrastructure development are	
i) harmonizing design of infrastructure with local surroundings,	Complied
ii) preserving the natural ecosystems around school building (no hill-cutting, no invasive species plantation) and using locally available construction materials during construction of school in CHTs,	Complied
iii) climate-proofing design in vulnerable coastal areas,	Complied
iv) preference of students and teachers in designing infrastructure,	Not Complied
v) strict adherence to environmental codes of practice during construction activities (i.e. additional classrooms).	Complied

b. The basic principles of EARF regarding water supply and sanitation provisions include	
i) regular testing of water sources for contaminants,	Not yet
ii) adequate sanitation facilities and establishment of a mechanism for maintenance and	Complied
iii. alternate sources for safe drinking water where tube wells are not feasible (due to water quality or quantity issues). An operational manual Need to be developed to explain the general process of infrastructure planning, implementation, quality control and monitoring.	Not identified
Provision of safe, clean and hygienic environment for students while also providing an opportunity to improve measures regarding water supply sanitation and promotion of hygiene. Having a properly maintained facilities in schools can have a multitude of benefits including	
(a) reducing the disease burden associated with unsafe water supply and sanitation and improve the quality of life,	i) Complied
(b) decreasing of dropout and increasing academic performance.	ii) Complied

Table 22: Challenges in Water and Sanitary Hygiene:

Recommendation as in EMR June, 2018	Compliances/Remarks
• Lack of effective mechanism for operation and maintenance of facilities	Improving
• Weak coordination mechanism among stakeholders involved in provision of Schools facilities.	Improving
• Inadequate attention to the software components: Hygiene promotion; Institutional capacity development; systems development for monitoring and evaluation; Partnerships and engagement with relevant stakeholders.	Improving
• Inadequate utilization of EMIS for monitoring and analysis of facilities in schools for appropriate planning.	Module under preparation for EMR data

Table 23: Disaster Resilience and Ensure Disaster Preparedness:

Recommendation as in EMR June, 2018	Compliances/Remarks
To enhance disaster resilience and ensure disaster preparedness of the primary education sector, promote a culture of safety and enable continuity of education for all children during and after emergencies. This will be achieved by:	
• Making school facilities safer through enforcement of building codes, design and construction of schools based on safe school construction guidelines, and provision of the minimum kit of protective equipment/materials to all schools;	Complied
• Strengthening disaster management and preparedness through development and operationalization of standard operating procedures (SOPs), regular disaster simulation drills and development of the school level disaster management plans;	Partially Complied
• Introducing disaster risk reduction (DRR)/prevention education through integration of the DRR elements into school curricula, teacher training modules and essential reading materials package; and	Partially Complied

Recommendation as in EMR June, 2018	Compliances/Remarks
<ul style="list-style-type: none"> <li>Strengthening emergency education response through development of the national/sub-national Emergency Preparedness and Response Plan, decentralized decision-making and allocation of EiE block funds, development and approval of transitional schools/temporary learning space models eligible for emergency block grant financing.</li> </ul>	Partially Complied
Major repairs will be covered under the Component on Needs-Based Infrastructure. For minor repairs and routine maintenance, a dedicated budget line will be allocated for the procurement of materials for cleaning the toilets and hand washing facilities and for carrying out minor repairs.	Partially Complied
a) Limited Environmental mitigation measures related to subprojects are being implemented. Formal documentation for each of the sub-projects are under process. Environmental review through use of IEEs is done in conjunction with subproject design.  b) .	a) Partially Complied  b)
a) EED has not organized setup for environmental monitoring. After prolonged discussion and several meeting between SESIP and EED it was agreed to create one Environmental Unit (EU) with counterpart Superintending Engineer. But it requires approval of Ministry of Education.	c) Partially Complied d)
b) Where mitigation measures are lacking, contractors are urged to improve their performance. The GRM is in the process of being implemented with Committees formed at local level. No grievance has been received by the committee in any of the sub-project	e) Partially Complied

**b. Challenges in Capacity Building:**

The civil work load has increased many fold for SESIP The following need to be targeted within extension period of the project ie December 2019.

**Table 24: The major civil works involved that need screening process and CEMP**

Civil Works	Screening process and CEMP	Remarks
640 schools/ madrasahs selected for extra classrooms for pre-vocational and vocational courses;	640 subprojects	Screening process is very weak. Needs invigoration among planning and design engineers
Vertical extensions and outfitting for training venues in 53 District Education Offices (DEOs);	53 (47 approved) subprojects	Needs proper checking of foundation to avoid error in design.
Upgrading of 100 priority schools/madrasahs;	92 completed with screening and EMP	Complete except 8 nos.
Construction of the Bandarban DEO.	Completed with screening and EMP	Instruments supplied to contractor for compliances

### Action Plan for Safeguard Monitoring

The action plan for safeguard monitoring depends on the creation of Environmental Unit under EED. The Implementation plan in the EARF explains very clearly that Supervising Engineer are to be focal person at field level. The formatted data/information will be collected by the EED officers engaged in the construction supervision, contractor undertaking civil works and Head teacher responsible for day to day operation of the school and safety of the children.

**Table 25: ACTION PLAN FOR SAFEGUARD MONITORING (July 2018-Dec 2019)**

SN	Months (July-Dec 2018, Jan-Dec 2019)	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
	Identified Works	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	Creation of Environmental Unit in EED																		
2	Rapid Environmental Assessment (REA)																		
3	Environmental Management Plan (EMP)																		
4	IEE/EMP for identified sub-project																		
5	Orientation/ training (construction and environment management.)																		
6	Contractors EMP																		
	a. Preparation of CEMP																		
	b. Appointing Environment Officer																		
9	School Hygiene and Environmental Parameters (initiate dialogue for MOU with DPHE)																		
	a. Annual Water Quality Testing (TW)																		
	b. Sanitation Facilities (toilet, hand washing, urinals)																		
10	Semi-Annual Environmental Safeguard Monitoring Report (EMR): Mile Stones																		

***SECONDARY EDUCATION SECTOR INVESTMENT  
PROGRAM (SESIP)***

**SEMI-ANNUAL ENVIRONMENTAL MONITORING REPORT DECEMBER 2018**

**(Semi-Annual EMR No. 5)**

**ANNEX-1**

Pictures shows:

- (i) Consultation meeting with EED, SMC, Contractor and
- (ii) Construction Management for the  
SESIP funded PVIP schools refurbishment.



Figure 1 Consultation meeting at Manikgonj



Figure 2: Academic building



Figure 3: School building using for cement storage



Figure 4: Detached wash room donated by BRAC





Figure 5: Discussion at manilgonj Distric office



Figure 6: Construction site with haphazard dumping



Figure 7: Cement storage inside office building



Figure 8: Discussion meeting with head teacher





Figure 9: : Consultation with XEN, EED at Narayangonj



Figure 10: Vertical extension of class room at Natore



Figure 11: Meeting with school teacher and supersing officer and contractor



Figure 12: PPE for the construction worker and supervisor



Figure 13: Construction site with haphazard dumping of materials



Figure 14: Marginal space between boundaries of school and neighborhood



Figure 15: Workers are in use of PPE



Figure 16: Meeting with head teacher and supervising engineer





Figure 17: Meeting with Principal and SMC in a Madrasa at Chapai Nawabgonj



Figure 18: Vocational courses exist in the Madrasa before offered by SESIP



Figure 19: Wide school gate for easy access for the students



Figure 20: Meeting with teachers and SMC



Figure 21: The new building needs connection with old building for easy access.



Figure 22: Construction site



Figure 23: Difficult access during wet season



Figure 24: Old and under construction building are face to face with 30 ft space in between due to non-availability of land at Shyampur HS, Paba, Rajshahi





Figure 25: Discussion with head teacher, SMC and supervising engineer



Figure 26: New construction planned too close to the existing building



Figure 27: Construction site in a school



Figure 28: DEO building extended both horizontally and vertically



Figure 29: Lack of maintenance of existing building



Figure 30: Vertical extension of a school building



Figure 31: Different funding of sub-project at Natore is combined to shape a complete building



Figure 32: Same school front





Figure 33: Discussion with head teacher, SMC and supervising engineer



Figure 34: Consultation with XEN, EED at Rajshahi



Figure 35: Cramped class room with depilated furniture.



Figure 36: Discussion with head teacher, SMC and supervising engineer



Figure 37: Unusual wider gate at a school in Tanore, Rajshahi



Figure 38: Construction with sanitation facilities.



Figure 39: School Building donated by neighborhood at Talonda Tanore, Rajshahi



Figure 40: Discussion with head teacher, SMC and supervising engineer





Figure 41: Panaromic view of a school construction premises.

***SECONDARY EDUCATION SECTOR INVESTMENT  
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**SEMI-ANNUAL ENVIRONMENTAL MONITORING REPORT DECEMBER 2018**

**(Semi-Annual EMR No. 5)**

**ANNEX-2**

**List of selected Schools (640) for  
Vocational & Pre Vocational Program with  
Trades Approved**

**ANNEXURE-2****LIST OF PRO-VOC (PVIP) SCHOOLS (640 proposed) ACCORDING TO DSHE  
ZONE WITH TRADES OFFERED**

DISTRICT	UPAZILA	EIIN	INSTITUTION_NAME	TRADE NAME 1	TRADE NAME 2
DINAJPUR	BIRAMPUR	119986	RAMKRESHNOPUR HIGH SCHOOL	Civil Construction	ICT
DINAJPUR	BIRAMPUR		BEPARY TOLA HIGH SCHOOL	Electrical	ICT
DINAJPUR	BIRGANJ	120049	KABI NAZRUL HIGH SCHOOL	Electrical	ICT
DINAJPUR	BIROL	120139	DHUKUR JHARI B.L HIGH SCHOOL	Electrical	ICT
DINAJPUR	BOCHAGANJ	120215	MOTIZAPUR HIGH SCHOOL	Electrical	Garment
DINAJPUR	CHIRIRBANDAR	120279	DAKSHIN PALASH BARI HIGH SCHOOL	Civil Construction	Electrical
DINAJPUR	DINAJPUR SADAR	120733	CHANDGANJ A.S.M. BL HIGH SCHOOL	Agriculture and food production	ICT
DINAJPUR	GHORAGHAT	120458	DUGDUGIRHAT HIGH SCHOOL	Electrical	Garment
DINAJPUR	HAKIMPUR	120518	BANGLA HILI PILOT SCHOOL & COLLEGE	Electrical	Garment
DINAJPUR	KAHAROL	120568	RAMPUR HIGH SCHOOL	Garment	Mechanical
DINAJPUR	KHANSAMA	120631	BASULI HIGH SCHOOL	Garment	Electrical
DINAJPUR	NAWABGONJ	120858	JOYPUR B.L HIGH SCHOOL	Civil Construction	Electrical
DINAJPUR	PARBATIPUR	120978	PUBLIC HIGH SCHOOL	Agriculture and food production	Electrical
DINAJPUR	PHULBARI	120401	RAJARAMPUR S.U.HIGH SCHOOL	Electrical	ICT
GAIBANDHA	GAIBANDHA	121106	PEARAPUR HIGH SCHOOL	Civil Construction	Electrical
GAIBANDHA	GOBINDAGANJ	121207	RAKHALBURUZ HIGH SCHOOL	Electrical	ICT
GAIBANDHA	PALASHBARI	121362	AMLAGACHHI B. M. HIGH SCHOOL	Electrical	ICT
GAIBANDHA	PHULCHHARI	121075	GOONVARI B. L. HIGH SCHOOL	Agriculture and food production	ICT
GAIBANDHA	PHULCHHARI	121077	ZIGABARI HIGH SCHOOL	ICT	Mechanical
GAIBANDHA	PHULCHHARI		TENGRA KANDI M A SABUR DAKHIL MADRASHA	Civil Construction	Refrigeration and Air Conditioning
GAIBANDHA	SADULLAPUR	121444	KANTANAGAR BINOY BHUSHON B.L. HIGH SCHOOL	Agriculture and food production	Electrical
GAIBANDHA	SHAGHATA	121562	RAMNAGAR B.L. HIGH SCHOOL	Civil Construction	ICT
GAIBANDHA	SUNDARGANJ	121637	CHHAPAR HATI S.C. HIGH SCHOOL	ICT	Electronics
KURIGRAM	BHURUNGAMAR I	122076	PATESWARI BARKATYA HIGH SCHOOL	Agriculture and food production	Civil Construction
KURIGRAM	CHILMARI	122153	SHARIFER HAT M.U. HIGH SCHOOL	Electrical	ICT
KURIGRAM	FULBARI	122183	BARABHITA HIGH SCHOOL	Electrical	ICT
KURIGRAM	KURIGRAM SADAR	122255	MADHYAKUMARPUR M.L HIGH SCHOOL	Electrical	ICT
KURIGRAM	NAGESWARI	122341	NAGESWARI DOYAMOYEE PILOT ACADEMY	Garment	ICT
KURIGRAM	NAGESWARI		WEST PAIRADANGA ALIM MADRASHA.	Electrical	ICT
KURIGRAM	NAGESWARI	122426	DHAKDAHAR ESHAKIA DAKHIL MADRASHA	Civil Construction	ICT
KURIGRAM	RAJARHAT	122476	SAKOA HIGH SCHOOL	Electrical	ICT

DISTRICT	UPAZILA	EIIN	INSTITUTION_NAME	TRADE NAME 1	TRADE NAME 2
KURIGRAM	RAJIBPUR	122128	CHAR NEWAJI BL HIGH SCHOOL	Electronics	ICT
KURIGRAM	ROWMARI	122546	PAKHIURA HIGH SCHOOL	Electrical	ICT
KURIGRAM	ROWMARI	122543	CHARSHOUL MARI M.L HIGH SCHOOL	Agriculture and food production	Civil Construction
KURIGRAM	ULIPUR	122617	DHAMSRENI HIGH SCHOOL	Agriculture and food production	Civil Construction
LALMONIRH AT	ADITMARI	122719	KUMRIRHAT S.C. B.L. HIGH SCHOOL	Electrical	ICT
LALMONIRH AT	HATIBANDHA	122792	ALHAJ SAMSER UDDIN HIGH SCHOOL	Garment	ICT
LALMONIRH AT	KALIGANJ	122842	BANI NAGAR HIGH SCHOOL	ICT	Electrical
LALMONIRH AT	KALIGANJ	122858	RUDRESSWAR HIGH SCHOOL	Electrical	Civil Construction
LALMONIRH AT	LALMONIRHAT SADAR	122915	KAZIR CHOWRA B.L HIGH SCHOOL	Electrical	Garment
LALMONIRH AT	PATGRAM	122998	KAWAMARI APTARUDDIN PRODHAN HIGH SCHOOL	ICT	Electronics
LALMONIRH AT	PATGRAM		PATGRAM AHARTULLA PRODHAN SENIOR ALIM MADRASHA	Electrical	ICT
NILPHAMAR I	DIMLA	124760	KHAGA KHARI BARI BL HIGH SCHOOL	Garment	ICT
NILPHAMAR I	DOMAR	124839	SONA RAY HIGH SCHOOL	Garment	Electrical
NILPHAMAR I	JALDHAKA	124904	NEKBAKTA HIGH SCHOOL	Electrical	ICT
NILPHAMAR I	JALDHAKA		HAROA SHIMULBARI DARUL HUDA DAKHIL MADRASAH	Electrical	ICT
NILPHAMAR I	KISHOREGANJ	124990	SINGER GARI HIGH SCHOOL	Electrical	ICT
NILPHAMAR I	NILPHAMARI SADAR	125072	BABRIJHAR BL HIGH SCHOOL	ICT	Garment
NILPHAMAR I	SAIDPUR	125205	AL-FARUQUE ACADEMY, SAIDPUR	ICT	Mechanical
PANCHAGA RH	ATWARI	125800	ALOWA KHOA S C HIGH SCHOOL AND COLLEGE	Electrical	ICT
PANCHAGA RH	BODA	125872	MAIDAN DIGHI B.L HIGH SCHOOL	Electrical	ICT
PANCHAGA RH	BODA		NASHIR MONDOL HAT SALEHIA DAKHIL MADRASHA	Electrical	ICT
PANCHAGA RH	DEBIGANJ	125994	KHUTAMARA MIRZA GOLAM HAFIZ HIGH SCHOOL	Electrical	Mechanical
PANCHAGA RH	PANCHAGARH SADAR	126056	PANCHAGARH B. P GOVT. HIGH SCHOOL	Civil Construction	ICT
PANCHAGA RH	TETULIA	126168	RONOCHANDI HIGH SCHOOL	ICT	Electrical
RANGPUR	BADARGANJ	127160	NATARAM BL HIGH SCHOOL	ICT	Electrical
RANGPUR	BADARGANJ		BADARGANJ WAREZIA ISLAMIA ALIM MADRASAH	ICT	Agriculture and food production
RANGPUR	GANGACHARA	127245	BARABIL DEMUKHI HIGH SCHOOL	ICT	Electrical
RANGPUR	KAUNIA	127310	DHARMESWAR MOHESHA B-L HIGH SCHOOL	Civil Construction	ICT
RANGPUR	MITHAPUKUR	127521	SATHI BARI M/L HIGH SCHOOL	ICT	Electrical
RANGPUR	PIRGACHA	127697	SHIBDEB CHAR DEMUKHI HIGH SCHOOL	Civil Construction	Electrical
RANGPUR	PIRGANJ	127854	BANGOBONDHU MEMORIAL HIGH SCHOOL	ICT	Electrical

DISTRICT	UPAZILA	EIIN	INSTITUTION_NAME	TRADE NAME 1	TRADE NAME 2
RANGPUR	RANGPUR SADAR	127391	BURIR HAT HIGH SCHOOL	Electrical	ICT
RANGPUR	TARAGONJ	127955	EKARCHALI HIGH SCHOOL	ICT	Electrical
THAKURGAON	BALIADANGI	128708	KUSHAL DANGI HIGH SCHOOL	Electrical	ICT
THAKURGAON	HARIPUR	128784	DHIRGONJ HIGH SCHOOL	Electrical	ICT
THAKURGAON	PIRGANJ	128867	BANDIARA HIGH SCHOOL	Electrical	ICT
THAKURGAON	RANISANKAIL	128990	KENDRIO HIGH SCHOOL	Electrical	ICT
THAKURGAON	THAKURGAON SADAR	129088	MATHURAPUR PUBLIC HIGH SCHOOL	ICT	Electronics
BOGRA	ADAMDIGHI	119115	NASRATPUR M.L HIGH SCHOOL	Agriculture and food production	ICT
BOGRA	BOGRA SADAR	119190	SHABGRAM KUDRATIA HIGH SCHOOL	Garment	Mechanical
BOGRA	DHUNAT	119358	DHUNAT ADARSHA HIGH SCHOOL	ICT	Electrical
BOGRA	DUPCHANCHIA	119407	TALORA ALTAH ALI HIGH SCHOOL	Civil Construction	Electrical
BOGRA	GABTALI	119494	NEPALTALI HIGH SCHOOL	Civil Construction	Electrical
BOGRA	KAHALOO	119559	AGHORE MALANCHA HIGH SCHOOL	ICT	Electrical
BOGRA	NANDIGRAM	119618	KARAI HAT MULTILATERAL HIGH SCHOOL	ICT	Garment
BOGRA	BOGRA SADAR		BOGRA Y M C A PUBLIC SCHOOL & COLLEGE	Civil Construction	Mechanical
BOGRA	SAJAHANPUR		NISCHINTAPUR DARUL ULUM DAKHIL MADRASAH	Civil Construction	Electrical
BOGRA	SHARIAKANDI	119680	SHARIAKANDI GOVT. BOY'S HIGH SCHOOL	ICT	Electrical
BOGRA	SHERPUR	119758	HAPUNIA MOHABAG HIGH SCHOOL	ICT	Electrical
BOGRA	SHIBGONJ	119840	UTHALI HIGH SCHOOL	Civil Construction	ICT
BOGRA	SONATALA	119917	HARIKHALI HIGH SCHOOL	Garment	Agriculture and food production
CHAPAINA WABGANJ	SADAR	124556	CHAR MOHON PUR HIGH SCHOOL	Electrical	ICT
CHAPAINA WABGANJ	SADAR		SANKARBATY HEFZUL ULUM F.K. ALIM MADRASHA	Plumbing and pipe Fitting	ICT
CHAPAINA WABGANJ	BHOLAHAT	124330	BACHCHAMARI HIGH SCHOOL	Civil Construction	Mechanical
CHAPAINA WABGANJ	GOMASTAPUR	124358	BOALIA B.L HIGH SCHOOL	Electrical	ICT
CHAPAINA WABGANJ	NACHOLE	124438	MUNSHI HAZRAT ALI HIGH SCHOOL	Garment	ICT
CHAPAINA WABGANJ	SHIBGANJ	124654	SHIBGANJ HIGH SCHOOL	Plumbing and pipe Fitting	ICT
JOYPURHAT	AKKELPUR	679	KASHIRA HIGH SCHOOL	Civil Construction	Electrical
JOYPURHAT	AKKELPUR		AKKELPUR SINIOR (ALIM) MADRASAH AKKELPUR JOYPURHAT	Plumbing and pipe Fitting	Welding and Fabrication
JOYPURHAT	JOYPURHAT SADAR	121828	JAIPURHAT R B GOVT. HIGH SCHOOL	Electrical	ICT
JOYPURHAT	KALAI	121903	PUNAT HIGH SCHOOL	Civil Construction	ICT
JOYPURHAT	KHETLAL	121948	MAHMUDPUR B.L. HIGH SCHOOL	Electrical	ICT
JOYPURHAT	PANCHBIBI	121997	BAGZANA BILATERAL HIGH SCHOOL	Electrical	ICT
NAOGAON	ATRAI	123033	BANDAI KHARA HIGH SCHOOL	Agriculture and food production	ICT

DISTRICT	UPAZILA	EIIN	INSTITUTION_NAME	TRADE NAME 1	TRADE NAME 2
NAOGAON	BADALGACHI	123090	BALUBHARA R. B. HIGH SCHOOL	Electrical	Refrigeration and Air Conditioning
NAOGAON	DHAMOIRHAT	123145	DHAMOIRHAT SOFIA HIGH SCHOOL	Agriculture and food production	Electrical
NAOGAON	MOHADEVPUR	123356	KHAJUR U.P. HIGH SCHOOL	Civil Construction	ICT
NAOGAON	NAOGAON SADAR	123436	FATEHPUR 1ST HIGH SCHOOL	ICT	Agriculture and food production
NAOGAON	NAOGAON SADAR		CHAKPROSAD ISLAMIA ALIM MADRASHA	ICT	Civil Construction
NAOGAON	NIAMATPUR	123498	SHAL BARI BL HIGH SCHOOL	Electrical	Refrigeration and Air Conditioning
NAOGAON	PATNITOLA	123579	PATNITOLA HIGH SCHOOL	Electronics	ICT
NAOGAON	PORSHA	123653	BARAGRAM HIGH SCHOOL	Electronics	ICT
NAOGAON	RANI NAGAR	123709	ABADPUKUR HIGH	Electrical	Electronics
NAOGAON	SAPAHAR	123757	AIHAI HIGH SCHOOL	Electrical	Mechanical
NATORE	BAGATIPARA	123843	LOKMANPUR HIGH SCHOOL	ICT	Garment
NATORE	BARAI GRAM	123912	JONAIL M.L. HIGH SCHOOL	Civil Construction	Electrical
NATORE	BARAI GRAM		BONPARA ISLAMIA ALIM MADRASA	Garment	ICT
NATORE	GURUDASPUR	123987	KHUBJIPUR ML HIGH SCHOOL	Electrical	Electronics
NATORE	LALPUR	124042	KARIMPUR HIGH SCHOOL	Electrical	Plumbing and pipe Fitting
NATORE	NALDANGA	124146	SRISH CHANDRA VIDYANIKETAN	Civil Construction	Garment
NATORE	NATORE SADAR	124163	CHANDRA KALA S.I. HIGH SCHOOL	Electrical	ICT
NATORE	SINGRA	124292	KATUA BARI HIGH SCHOOL	Civil Construction	Electrical
PABNA	ATGHARIA	125267	SARABARIA HIGH SCHOOL	Agriculture and food production	Electrical
PABNA	BERA	125308	NAKALIA SARASIA BANIK HIGH SCHOOL	Electrical	ICT
PABNA	BHANGORA	125347	BHERAMARA UDAYAN ACADEMY	Electronics	ICT
PABNA	BHANGORA	125346	RUPSHI HIGH SCHOOL	Garment	ICT
PABNA	CHATMOHAR	125428	BAGHOLBARI KOI DAKHIL MADRASAH	Agriculture and food production	ICT
PABNA	FARIDPUR	125463	DEMRA HAZIZAYEN ULLAH HIGH SCHOOL	Electronics	ICT
PABNA	ISHURDI	125530	SARA JHAUDIA HIGH SCHOOL	Agriculture and food production	ICT
PABNA	PABNA SADAR	125578	RADHA NAGOR MAJUM DER ACADEMY (SCHOOL & COLLEGE), PABNA	ICT	Electronics
PABNA	SATHIA	125693	SONATALA HIGH SCHOOL	Civil Construction	Electrical
PABNA	SUJANAGAR		JAHANARA KANCHAN SMRITY HIGH SCHOOL	ICT	Civil Construction
RAJSHAHI	BAGHA	126224	PERSAWTA BINODPUR HIGH SCHOOL	Electrical	ICT
RAJSHAHI	BAGHA	126206	CHAK RAJA PUR HIGH SCHOOL	Garment	Electrical
RAJSHAHI	BAGMARA	126300	SAINPARA HIGH SCHOOL	Electrical	ICT
RAJSHAHI	CHARGHAT	126511	MOKTARPUR HIGH SCHOOL	ICT	Agriculture and food production
RAJSHAHI	DURGAPUR	126615	PANCHUBARI HIGH SCHOOL	Electrical	ICT
RAJSHAHI	GODAGARI	126674	PIRIJPUR HIGH SCHOOL	Electrical	Electronics
RAJSHAHI	GODAGARI	126679	CHAR ASHARIADAHA KANAPARA HIGH SCHOOL	Agriculture and	ICT

DISTRICT	UPAZILA	EIIN	INSTITUTION_NAME	TRADE NAME 1	TRADE NAME 2
				food production	
RAJSHAHI	GODAGARI		AL JAMIATUS SALAFIA ALIM MADRASAH	Garment	Refrigeration and Air Conditioning
RAJSHAHI	MOHONPUR	126797	JAHANABAD HIGH SCHOOL	Electronics	ICT
RAJSHAHI	PABA	126857	SHYAMPUR HIGH SCHOOL	Electrical	ICT
RAJSHAHI	PUTHIA	126946	JHALMALIA HIGH SCHOOL	Garment	Electrical
RAJSHAHI	TANORE	127053	TALANDA A. M. HIGH SCHOOL	Refrigeration and Air Conditioning	ICT
SIRAJGANJ	BELKUCHI	127991	RAJAPUR HIGH SCHOOL	Electrical	Mechanical
SIRAJGANJ	BELKUCHI	127992	SHOLOSHATO JANGALIA HIGH SCHOOL	Electrical	Mechanical
SIRAJGANJ	BELKUCHI		DELUA ISLAMIA ALIM MADRASHA	Electrical	Mechanical
SIRAJGANJ	KAMARKHAND	128081	BHADRAGHAT SHAMSUN MOHSHIN HIGH SCHOOL	Agriculture and food production	ICT
SIRAJGANJ	KAZIPUR	128118	TARAKANDI HIGH SCHOOL	Refrigeration and Air Conditioning	ICT
SIRAJGANJ	KAZIPUR	128120	CHAR GIRISH UNION M.MUNSUR ALI JATIO HIGH SCHOOL	Electrical	Garment
SIRAJGANJ	RAIGONJ	128217	BAIKANTHAPUR BAHUMIKHI HIGH SCHOOL	Electrical	ICT
SIRAJGANJ	RAIGONJ		KHAICALA ADIBASHI HIGH SCHOOL	Electronics	Mechanical
SIRAJGANJ	RAIGONJ	128259	KOTAGATI DAKHIL MADRASHA	Electrical	ICT
SIRAJGANJ	SHAHZADPUR	128292	POTAZIA MULTI LATERAL HIGH SCHOOL	Civil Construction	ICT
SIRAJGANJ	SIRAJGANJ	128399	PAIKPARA MODEL HIGH SCHOOL	ICT	Electronics
SIRAJGANJ	SIRAJGANJ SADAR	128367	MESRA HIGH SCHOOL	Civil Construction	Electrical
SIRAJGANJ	SIRAJGANJ SADAR		DHUKURIA BOHUMOKHI HIGH SCHOOL	Agriculture and food production	Garment
SIRAJGANJ	TARASH	128483	JAHANGIR GANTI CHAK SARAPPUR BOALIA HIGH SCHOOL	Garment	ICT
SIRAJGANJ	ULLAPARA	128583	ULLAPARA ADARSHA HIGH SCHOOL	Electrical	Garment
DHAKA	DHAMRAI	107917	ABDUSH SOBHAN MODEL HIGH SCHOOL	Refrigeration and Air Conditioning	ICT
DHAKA	DOHAR	107999	IKRASHI ADARSHA HIGH SCHOOL	Agriculture and food production	Mechanical
DHAKA	DOHAR		JOYPARA MAHMUDIA ALIM MADRASAH	Electrical	ICT
DHAKA	KERANIGONJ	108071	NAYA BAZAR HIGH SCHOOL	Electrical	ICT
DHAKA	NAWABGANJ	108293	AGLA CHOWKIGHATA JANAMANGAL HIGH SCHOOL	Garment	ICT
DHAKA	SAVAR	108412	CHAPAIN NEW MODEL HIGH CHOOOL	ICT	Electrical
FARIDPUR	ALFADANGA	108592	KAMARGRAM KANCHAN ACCADEMY	Civil Construction	ICT
FARIDPUR	BHANGA	108634	TUZARPUR S.A. HIGH SCHOOL	Civil Construction	Garment
FARIDPUR	BHANGA		TARAIL A. S ALIM MADRASHA	ICT	Garment
FARIDPUR	BOALMARI	108669	BOALMARI GEORGE ACADEMY	Electronics	ICT
FARIDPUR	CHARBHADRAS ON	108724	ADARSHA SECONDARY SCHOOL	Electrical	Plumbing and pipe Fitting
FARIDPUR	CHARBHADRAS ON	108721	HARIRAMPUR HIGH SCHOOL	Electrical	ICT
FARIDPUR	FARIDPUR SADAR	108761	ISHAN INSTITUTION	Electronics	ICT
FARIDPUR	MODHUKHALI	108820	DUMAIN RAMLAL HIGH SCHOOL	ICT	Mechanical



DISTRICT	UPAZILA	EIIN	INSTITUTION_NAME	TRADE NAME 1	TRADE NAME 2
FARIDPUR	MODHUKHALI	108817	KAMARKHALI HIGH SCHOOL	Civil Construction	ICT
FARIDPUR	NAGARKANDA	108868	PORADIA S.A.KHAN HIGH SCHOOL	Electrical	ICT
FARIDPUR	SADARPUR	108916	BABUR CHAR HIGH SCHOOL	Agriculture and food production	Civil Construction
FARIDPUR	SADARPUR	108913	AKOTER CHAR S.C. UCCHO BIDYALAY	Agriculture and food production	Electrical
FARIDPUR	SALTHA	108874	NARANDIA J.M. HIGH SCHOOL	ICT	Electrical
GAZIPUR	GAZIPUR SADAR	108958	HATIAH HAZI SAMIR UDDIN HIGH SCHOOL	ICT	Electrical
GAZIPUR	KALIAKAIR	109077	BALIADI M.L HIGH SCHOOL	Electronics	ICT
GAZIPUR	KALIGONJ	109100	JANATA HIGH SCHOOL	Mechanical	Electrical
GAZIPUR	KAPASIA	109207	SINGHASREE UNION HIGH SCHOOL	Electrical	Mechanical
GAZIPUR	KAPASIA	109216	KAPALESWAR HIGH	Electrical	Welding and Fabrication
GAZIPUR	KAPASIA		SINGHA SREE M. B. DAKHIL MADRASAH	Agriculture and food production	Refrigeration and Air Conditioning
GAZIPUR	KAPASIA		HARIADI HOSSIANIA DAKHIL MADRASAH	Civil Construction	Garment
GAZIPUR	SRIPUR	109345	BARMI UNION HIGH SCHOOL	ICT	Electrical
GAZIPUR	SRIPUR		BARAMA ISLAMIA ALIM MADRASHA	Electronics	Plumbing and pipe Fitting
GOPALGANJ	GOPALGANJ SADAR	109459	HAZI KHORSHED SAPTA PALLI HIGH SCHOOL	Electrical	Mechanical
GOPALGANJ	KASIANI	131414	SUKTAGRAM IDEAL HIGH SCHOOL	Electrical	ICT
GOPALGANJ	KASIANI		BORAIHAT SIDDIQUIA ALIM MADRASAH	Electrical	Mechanical
GOPALGANJ	KOTALIPARA	109594	NESARUDDIN TALUKDER UCHCHA MADYAMIC BIDYALAYA	Civil Construction	Electrical
GOPALGANJ	MUKSUDPUR	109622	KRISHNADIA BAGU MRIDHA HIGH SCHOOL	Garment	ICT
GOPALGANJ	TUNGIPARA	109668	G T GOVT. HIGH SCHOOL	ICT	Refrigeration and Air Conditioning
MADARIPUR	KALKINI	110668	GOPALPUR HIGH SCHOOL	ICT	Electrical
MADARIPUR	MADARIPUR SADAR	110745	KULPADDI HIGH SCHOOL	Electrical	Garment
MADARIPUR	MADARIPUR SADAR	110751	PANCHKHOLA MUKTI SENA HIGH SCHOOL	ICT	Electrical
MADARIPUR	MADARIPUR SADAR		CHAR MUGRIA NESARIA ISLAMIA DAKHIL MASRASAH	ICT	Electrical
MADARIPUR	RAJOIR	110805	CHATUSH PALLI HIGH SCHOOL	Agriculture and food production	Electrical
MADARIPUR	SHIBCHAR	110831	BHADRASON G.C. ACADEMY	Agriculture and food production	Electrical
MANIKGANJ	DAULATPUR	110894	CHARMASTUL M.B.A HIGH SCHOOL	Electronics	Garment
MANIKGANJ	DAULATPUR	110890	CHARKATARY SABUJ SENA HIGH SCHOOL	Garment	Refrigeration and Air Conditioning
MANIKGANJ	DAULATPUR	110904	CHAR KALIKA PUR SHUKURIA DAKHIL MADRASAH	ICT	Refrigeration and Air Conditioning
MANIKGANJ	GHIOR	110908	TEROSREE K N INSTITUTION	Mechanical	Garment
MANIKGANJ	HARIRAMPUR	110934	JHITKA ANANDA MOHAN HIGH SCHOOL	ICT	Electronics
MANIKGANJ	MANIKGANJ SADAR	110953	MANIKGANJ GOVT. HIGH SCHOOL	ICT	Electronics



DISTRICT	UPAZILA	EIIN	INSTITUTION_NAME	TRADE NAME 1	TRADE NAME 2
MANIKGANJ	SATURIA	111012	HARGOJ SHAHID SMRITI HIGH SCHOOL	Civil Construction	Mechanical
MANIKGANJ	SHIBALAYA	111041	RUPSHA WAHED ALI HIGH SCHOOL	Agriculture and food production	Refrigeration and Air Conditioning
MANIKGANJ	SHIBALAYA		KAZI SAFIUDDIN DAKHIL MADRASA	Electrical	ICT
MANIKGANJ	SINGAIR	111060	JOYMONTOP HIGH SCHOOL	ICT	Garment
MUNSHIGANJ	GAZARIA	111088	ROYPARA HIGH SCHOOL	Agriculture and food production	Civil Construction
MUNSHIGANJ	LOHAJANG	111112	BARHMANGAON MULTITERAL HIGH SCHOOL	Garment	ICT
MUNSHIGANJ	MUNSHIGANJ SADAR	111163	MIRKADIM HAJI AMZAD ALI HIGH SCHOOL	Mechanical	Electrical
MUNSHIGANJ	MUNSHIGANJ SADAR		MUNSHI GANJ ADARSHA ALIM MADRASAH	ICT	Electrical
MUNSHIGANJ	SIRAJDIKHAN	111202	MALKHANAGAR HIGH SCHOOL	Electrical	Mechanical
MUNSHIGANJ	SREENAGAR	111209	BARAIKHALI HIGH SCHOOL	Civil Construction	Electrical
MUNSHIGANJ	TONGI BARI	111249	BETKA UNION HIGH SCHOOL	Electronics	ICT
NARAYANGANJ	ARAIHAZAR	112306	PANCHGAON ML HIGH SCHOOL	Garment	ICT
NARAYANGANJ	ARAIHAZAR	112308	KALAPAHARIA UNION HIGH SCHOOL	Agriculture and food production	Electrical
NARAYANGANJ	ARAIHAZAR		NAGAR DOWKADI AHMADIA DAKHIL MADRASAH	Agriculture and food production	Garment
NARAYANGANJ	BANDAR	112388	SONAKANDA HIGH SCHOOL	Agriculture and food production	ICT
NARAYANGANJ	NARAYANGANJ SADAR	112440	PAGLA HIGH SCHOOL	ICT	Garment
NARAYANGANJ	RUPGANJ	112492	BHULTA UCHCHA MADHYAMIK BIDYALAYA	Electrical	Garment
NARSINGDI	BELABO	112540	HARI SHANGAN HIGH SCHOOL	ICT	Electrical
NARSINGDI	MONOHARDI	112582	HATIRDIA S.. ALI MODEL HIGH SCHOOL	Electrical	Plumbing and pipe Fitting
NARSINGDI	MONOHARDI		CHANDANBARI ISLAMIA MADRASHA	Agriculture and food production	ICT
NARSINGDI	NARSINGDI SADAR	112675	BAGHATA NUR AFTAB ADARSHA BIDDYA PITH	ICT	Electrical
NARSINGDI	NARSINGDI SADAR	112681	RASULPUR HIGH SCHOOL	Electrical	Plumbing and pipe Fitting
NARSINGDI	POLASH	112730	GAYESHPUR PADMALOCHAN HIGH SCHOOL	ICT	Electronics
NARSINGDI	RAIPURA	112769	BALUAKANDI HIGH SCHOOL	Garment	Plumbing and pipe Fitting
NARSINGDI	SHIBPUR	112824	KARARCHAR MVI. TOFAZZAL HOSSAIN HIGH SCHOOL	Mechanical	ICT
RAJBARI	BALIAKANDI	113256	ARKANDI HIGH SCHOOL	Electrical	ICT
RAJBARI	GOALANDA	113307	JAMTALA HIGH SCHOOL	ICT	Electrical
RAJBARI	GOALANDA		GOALUNDO DAKHIL MADRASHAH	ICT	Electrical
RAJBARI	KALUKHALI	113366	A.Z.M SAKEN UDDIN HIGH SCHOOL	Mechanical	Electronics
RAJBARI	PANGSHA	113326	MACH PARA M.L. HIGH SCHOOL	Electrical	ICT
RAJBARI	RAJBARI SADAR	113442	ALADIPUR HIGH SCHOOL	Electrical	Agriculture and food production
SHARIATPUR	BHADERGONJ	113501	RAMBHADRAPUR R. M. HIGH SCHOOL	ICT	Electrical
SHARIATPUR	BHADERGONJ	113515	CHAR BHAGA BANGABANDHU IDEAL HIGHSCHOOL	ICT	Agriculture and food

DISTRICT	UPAZILA	EIIN	INSTITUTION_NAME	TRADE NAME 1	TRADE NAME 2
					production
SHARIATPUR	DAMODYA	113536	KANESWAR S. C. EDWARD INSTITUTE	Garment	Electrical
SHARIATPUR	GOSAIRHAT	113555	KODALPUR SECONDARY SCHOOL	Garment	Electrical
SHARIATPUR	JAZIRA		JOYNAGAR JULMAT ALI HIGH SCHOOL	Garment	Electrical
SHARIATPUR	NARIA	113587	BHOJESHWAR HIGH SCHOOL	ICT	Electrical
SHARIATPUR	SHARIATPUR SADAR	113616	PALONG HIGH SCHOOL	Agriculture and food production	Refrigeration and Air Conditioning
SHARIATPUR	SHARIATPUR SADAR		SHARIATPUR KAGDI DAKHIL MADRASAH	ICT	Plumbing and pipe Fitting
BANDARBAN	ALIKADAM	103089	CHAYKONG MODEL HIGH SCHOOL	Garment	ICT
BANDARBAN	BANDARBAN SADAR	103091	DONBOSCO HIGH SCHOOL	ICT	Refrigeration and Air Conditioning
BANDARBAN	LAMA	103123	TAMIRE MILLAT ISLAMIA DAKHIL MADRASAH	ICT	Electrical
BANDARBAN	LAMA	103109	LAMA GOVT. HIGH SCHOOL	ICT	Garment
BANDARBAN	NAIKHONGCHARI	103129	BAISHARI HIGH SCHOOL	ICT	Electrical
BANDARBAN	NAIKHONGCHARI	103127	GUMDUM HIGH SCHOOL	Electronics	Mechanical
BANDARBAN	NAIKHONGCHARI		BAISHARI SHAH NURUDDIN DHAKIL MADRASHAH	Electrical	ICT
BANDARBAN	THANCHI	103147	BALIPARA BAZAR JUNIOR HIGH SCHOOL	Electrical	Garment
CHITTAGONG	ANOWARA	104009	TAILARDWIP BARAKHAIN ERSHAD ALI HIGH SCHOOL	ICT	Mechanical
CHITTAGONG	BANSKHALI	104072	BANSKHALI UNITED HIGH SCHOOL	Garment	ICT
CHITTAGONG	BOALKHALI	104113	KADHURKHIL HIGH SCHOOL	Electrical	ICT
CHITTAGONG	CHANDANAISH	104173	SATBARIA ML HIGH SCHOOL	Agriculture and food production	ICT
CHITTAGONG	FATIKCHARI	104331	PAINDONG HIGH SCHOOL	Electrical	ICT
CHITTAGONG	HATHAZARI	104416	MIRZAPUR HIGH SCHOOL	ICT	Electrical
CHITTAGONG	KORNAFULI	104106	DAKKHIN PACHIM BAKALIA HIGH SCHOOL	Electronics	ICT
CHITTAGONG	LOHAGARA	104541	PADUA A.C.M HIGH SCHOOL	Electronics	ICT
CHITTAGONG	MIRSARAI	104622	MOGHADIA N.A.C. HIGH SCHOOL	Refrigeration and Air Conditioning	Mechanical
CHITTAGONG	PATIYA	104726	CHAKRASHALA KRISHI HIGH SCHOOL	Electrical	ICT
CHITTAGONG	PUNCHLAISH		JAMIA AHMMADIA SONNIA ALIA MADRASHA	Electronics	ICT
CHITTAGONG	RANGUNIA	104796	SHARAF BHATA UNION HIGH SCHOOL	ICT	Electrical
CHITTAGONG	RAOZAN	104860	GOHIRA A.J. Y. M. S. ML. HIGH SCHOOL	Electrical	Garment
CHITTAGONG	SANDWIP	104962	MUSAPUR BODIUZZAN HIGH SCHOOL	Electrical	Electronics
CHITTAGONG	SANDWIP	104955	SOUTH SANDWIP ML HIGH SCHOOL	Electrical	Electronics

DISTRICT	UPAZILA	EIIN	INSTITUTION_NAME	TRADE NAME 1	TRADE NAME 2
CHITTAGON G	SANDWIP	104977	PURBA SANDWIP ISLAM DAKHIL MADRASAH	Electrical	ICT
CHITTAGON G	SATKANIA	131467	SADAHA-KEOCHIA HIGH SCHOOL	ICT	Electronics
CHITTAGON G	SITAKUNDAH	105080	ZAFAR NAGAR APARNA CHARAN HIGH SCHOOL	Electrical	Mechanical
COXS BAZAR	CHAKARIA	106196	RASHID AHMED CHY HIGH SCHOOL	Agriculture and food production	Garment
COXS BAZAR	CHAKARIA		PALAKATA DAKHIL MADRASAH	Electrical	ICT
COXS BAZAR	CHAKARIA	106221	FULCHARI ISLAMIA ADARSHA DAKHIL MADRASAH	Refrigeration and Air Conditioning	ICT
COXS BAZAR	COX'S BAZAR SADAR	106268	COX'S BAZAR GOVT. HIGH SCHOOL	Electrical	ICT
COXS BAZAR	KUTUBDIA	106319	DHURUNG IDEAL HIGH SCHOOL	Electrical	ICT
COXS BAZAR	KUTUBDIA	106330	AL FARUQUE ADARSHA DAKHIL MADRASAH	Electronics	ICT
COXS BAZAR	MOHESHKHALI	106335	MOHESHKHALI ISLAND HIGH SCHOOL	Civil Construction	Agriculture and food production
COXS BAZAR	MOHESHKHALI	106343	KALARMARCHARA HIGH SCHOOL	Electronics	ICT
COXS BAZAR	MOHESHKHALI	106363	SHAITMAR MAHIUSIUNNAH D MADRASH	Electronics	ICT
COXS BAZAR	MOHESHKHALI	106365	AHMADIA TAYABIA SUNNIA DAKHIL MADRASAH	Electronics	ICT
COXS BAZAR	PEKUA	106239	RAJAKHALI YAR ALI KHAN IDEAL HIGH SCHOOL	ICT	Civil Construction
COXS BAZAR	RAMU	106378	JOARIANALA H.M. SANCHI HIGH SCHOOL	Electronics	ICT
COXS BAZAR	TEKNAF	106403	SUBRANG HIGH SCHOOL	Mechanical	ICT
COXS BAZAR	UKHIYA	106435	ABUL KASHEM NOOR JAHAN CHOWDHURY HIGH SCHOOL	Electrical	Civil Construction
FENI	CHHAGALNAIYA	106454	SALEMA NAZIR HIGH SCHOOL	Civil Construction	Electrical
FENI	CHHAGALNAIYA		MIRZAR BAZAR ISLAMIA DAKHIL MADRASHA	ICT	Plumbing and pipe Fitting
FENI	DAGONBHIYAN	106524	MOMARIZ PUR HIGH SCHOOL	ICT	Mechanical
FENI	FENI SADAR	106586	S.M.S.U MAMTAJ BIRUTTAM HIGH SCHOOL	Garment	ICT
FENI	FULGAJI	106657	DHARMAPUR EDUCATIONAL ESTATE	Electrical	ICT
FENI	PARSHURAM	106684	DHANIKUNDA HOSNE ARA HIGH SCHOOL	Electrical	ICT
FENI	SONAGAJI	106709	AMIRABAD B.C LAHA HIGH SCHOOL	Refrigeration and Air Conditioning	Electronics
KHAGRACH HARI	DIGHINALA	106752	CHOTO MERUNG HIGH SCHOOL	Civil Construction	Electronics
KHAGRACH HARI	DIGHINALA	106755	HUTCHIN SON PUR HIGH SCHOOL	Agriculture and food production	ICT
KHAGRACH HARI	GUIMARA	106801	SINDUK CHARI HIGH SCHOOL	Electrical	Garment
KHAGRACH HARI	KHAGRA CHARI	106771	A.P BATTALION HIGH SCHOOL	Civil Construction	Electrical
KHAGRACH HARI	LAXMI CHARI		BARMACHARI HIGH SCHOOL	Civil Construction	Electrical
KHAGRACH HARI	MAHALCHARI	106799	SINGHINALA HIGH SCHOOL	Civil Construction	Electrical
KHAGRACH HARI	MANIK CHARI	106814	COLLEGIATE HIGH SCHOOL	Agriculture and food production	Electrical

DISTRICT	UPAZILA	EIIN	INSTITUTION_NAME	TRADE NAME 1	TRADE NAME 2
KHAGRACH HARI	MANIK CHARI	106816	DAKHIN CHANGO CHARA NECHARIYA ISLAMIA DAKHIL MADRASHA	Agriculture and food production	Mechanical
KHAGRACH HARI	MATIRANGA	106821	SANTIPUR HIGH SCHOOL	Electronics	Mechanical
KHAGRACH HARI	PAN CHARI	106847	PANCHARI BAZAR HIGH SCHOOL	Electrical	Garment
KHAGRACH HARI	RAMGARH	106852	CHOWDHURY PARA JUNIOR HIGH SCHOOL	Civil Construction	Electrical
KHAGRACH HARI	RAMGARH		RAMGARH GANIATUL UL. ALIM MADRASAH	Garment	ICT
NOAKHALI	BEGUMGONJ	107213	MIR KASHEM BOHUMUKHI HIGH SCHOOL	Garment	Electrical
NOAKHALI	CHATKHIL	107260	PARAKOTE DASHGORIA UNION HIGH SCHOOL	ICT	Electrical
NOAKHALI	CHATKHIL	107276	SOMPARA HIGH SCHOOL	Electrical	Refrigeration and Air Conditioning
NOAKHALI	CHATKHIL	107280	RAM NARAYANPUR HIGH SCHOOL	ICT	Electrical
NOAKHALI	COMPANIGONJ	107341	ABUNASER CHOWDHURY POURA HIGH SCHOOL	Electrical	Garment
NOAKHALI	HATIYA	107422	CHAR ISWAR ROY AFAZIA HIGH SCHOOL	Electrical	Garment
NOAKHALI	HATIYA	107460	HAZI FAZIL AHMED DAKHIL MADRASAH	Electrical	Garment
NOAKHALI	HATIYA	107449	BURIRCHAR AHMADIA SR MADRASHA	Electrical	Garment
NOAKHALI	KABIRHAT	107666	CHAPRASHIR HAT HIGH SCHOOL	Electrical	Electronics
NOAKHALI	KABIRHAT		KABIRHAT ISLMIA ALIM MADRASHA	ICT	Electrical
NOAKHALI	NOAKHALI SADAR	107559	NOAKHALI UNION HIGH SCHOOL	Electrical	Electronics
NOAKHALI	NOAKHALI SADAR	107541	NOAKHALI HIGH SCHOOL	ICT	Electrical
NOAKHALI	SENBAG	107477	BIJBAG N. K. HIGH SCHOOL	Civil Construction	Electrical
NOAKHALI	SONAIMURI	107377	JOYAG BOHUMUKHI HIGH SCHOOL	Electrical	Garment
NOAKHALI	SUBARNA CHAR	107554	CHAR BATA KHASHER HAT HIGH SCHOOL	ICT	Electrical
RANGAMATI	BAGHAIRCHARI	107676	TULABAN HIGH SCHOOL	Electrical	ICT
RANGAMATI	BAGHAIRCHARI	107684	KACHALONG DAKHIL MADRASHA	Electronics	ICT
RANGAMATI	BARKAL	107689	BORUNACHARI HIGH SCHOOL	Electronics	Garment
RANGAMATI	BARKAL	107689	SUBALONG HIGH SCHOOL	Garment	Mechanical
RANGAMATI	JURAICHORI	107740	BANAJOGI CHARA HIGH SCHOOL	ICT	Civil Construction
RANGAMATI	KAPTAI	107731	BORAICHARI KARNAFULY NURUL HUDA KADERI HIGH SCHOOL	Electrical	ICT
RANGAMATI	KAPTAI		AL AMIN NURIA MADRASHA	Electrical	ICT
RANGAMATI	KAWKHALI	107703	BETBUNIA HIGH SCHOOL	Electrical	Garment
RANGAMATI	LONGADU	107751	RABITA MODEL HIGH SCHOOL	Electrical	Garment
RANGAMATI	LONGADU	107759	MAINIMUKH ISLAMIA ALIM MADRASAH	ICT	Plumbing and pipe Fitting
RANGAMATI	NANNIARCHAR	107773	GHILACHARI JUNIOR HIGH	Electrical	ICT
RANGAMATI	RAJASTHALI	107784	BANGALHALIA HIGH SCHOOL	Civil Construction	Electrical
RANGAMATI	RANGAMATI SADAR	107794	RANI DAYAMOYEE HIGH SCHOOL	Agriculture and food production	Electrical
BAGERHAT	BAGERHAT SADAR	114753	K J S P U RAJARPUR HIGH SCHOOL	Electrical	ICT
BAGERHAT	CHITALMARY	114843	CHARBANIARY HIGH SCHOOL	Garment	Mechanical
BAGERHAT	FAKIRHAT	114883	MULGAR GOVT. HIGH SCHOOL	ICT	Electrical
BAGERHAT	KACHUA	114942	MOBAIDUL ISLAM SECONDARY SCHOOL	Agriculture and food production	ICT

DISTRICT	UPAZILA	EIIN	INSTITUTION_NAME	TRADE NAME 1	TRADE NAME 2
BAGERHAT	MOLLAHAT	114955	SACHIADAH CHUNKHOLA M.B. SEC SCHOOL	Electrical	Mechanical
BAGERHAT	MONGLA	114989	ST. PAUL'S HIGH SCHOOL	Civil Construction	ICT
BAGERHAT	MONGLA		MOHSINIA ALIM MADRASHA	Electrical	ICT
BAGERHAT	MORRELGONJ	115045	PANCHGAON M M HIGH SCHOOL	ICT	Garment
BAGERHAT	MORRELGONJ	115090	AMTALI ISLAMIA KAMIL MADRASHA	ICT	Mechanical
BAGERHAT	RAMPAL	115164	FOYLAHAT KAMAL UDDIN MADHYAMIK SCHOOL	Electrical	ICT
BAGERHAT	SARANKHOLA	115236	JANATA HIGH SCHOOL	ICT	Civil Construction
BAGERHAT	SARANKHOLA	115229	RAYENDA PILOT HIGH SCHOOL	Civil Construction	Mechanical
BAGERHAT	SARANKHOLA	115258	DAKKHIN RAJAPUR DAKHIL MADRASAH & EATIMKHANA	Electrical	Garment
CHUADANG A	ALAMDANGA	115272	HARDI MIR SAMSUDDIN AHMED SECONDARY SCHOOL	Garment	Refrigeration and Air Conditioning
CHUADANG A	CHUADANGA SADAR	115354	KHARAGODA SECONDARY SCHOOL	Electrical	Mechanical
CHUADANG A	DAMURHUDA	115398	BISHNUPUR HIGH SCHOOL	Electrical	Refrigeration and Air Conditioning
CHUADANG A	JIBANNAGAR	115436	HASHADAH ML. HIGH SCHOOL	Electrical	Refrigeration and Air Conditioning
CHUADANG A	JIBANNAGAR		JIBANNAGAR THANA ALIM MADRASHA	Electrical	ICT
JHENAIDAH	HARINAKUNDU	116395	BHABANI PUR HIGH SCHOOL	ICT	Electrical
JHENAIDAH	JHENAIDAH SADAR	116465	MADHUPUR HIGH SCHOOL	ICT	Electrical
JHENAIDAH	JHENAIDAH SADAR		BHUTAR GATI ROSULPUR ALIM MADRASHA	Agriculture and food production	Electrical
JHENAIDAH	KALIGONJ	116591	CHANCHRA HIGH SCHOOL	ICT	Electrical
JHENAIDAH	KOTCHANDPUR	116638	SHEIKH MOZFFAR HOSSAIN SECONDARY SCHOOL	ICT	Refrigeration and Air Conditioning
JHENAIDAH	MOHESHPUR	116678	KHALISHPUR SECONDARY SCHOOL	ICT	Electrical
JHENAIDAH	SHAILAKUPA	116757	KATLAGARI SECONDARY SCHOOL	ICT	Mechanical
KHULNA	BATIAGHATA	116857	BIRAT HIGH SCHOOL	Electrical	ICT
KHULNA	DACOPE	116901	MOHAMMAD ALI HIGH SCHOOL	Electrical	ICT
KHULNA	DACOPE	116875	BAJUA EUNION HIGH SCHOOL	Garment	ICT
KHULNA	DIGHALIA	117076	SUGANDHI SECONDARY SCHOOL	Electrical	ICT
KHULNA	DIGHALIA		HACHENIA DAHHIL MADRASHA	Electrical	ICT
KHULNA	DUMURIA	116988	HAZIDANGA KHALSHI SAJIARA A.K HIGH SCHOOL	Electrical	Garment
KHULNA	FULTALA	117334	DAMODAR M.M. HIGH SCHOOL	Electrical	ICT
KHULNA	KOYRA	117203	KOYRA SHAKBARIA SCHOOL AND COLLEGE	Refrigeration and Air Conditioning	ICT
KHULNA	PAIKGACHA	117267	K.G.H.F. MOUKHALI UNITED ACADEMY	Garment	Electronics
KHULNA	RUPSHA	117363	BELFULIA ISLAMIA HIGH SCHOOL	ICT	Agriculture and food production
KHULNA	TEROKHADA	117433	PANCHOPALLY ADORSO HIGH SCHOOL	Refrigeration and Air Conditioning	ICT
KUSHTIA	BHERAMARA	117464	DHARAM PUR SECONDARY SCHOOL	Civil Construction	Electrical

DISTRICT	UPAZILA	EIIN	INSTITUTION_NAME	TRADE NAME 1	TRADE NAME 2
KUSHTIA	DAULATPUR	117501	TARAGUNIA SECONDARY SCHOOL	ICT	Electrical
KUSHTIA	KHOKSA	117623	ISWARDI SECONDARY HIGH SCHOOL	ICT	Electrical
KUSHTIA	KUMARKHALI	117673	MOHENDRAPUR SECONDARY SCHOOL	Civil Construction	Mechanical
KUSHTIA	KUMARKHALI		MOHAMMADI ISLAMIA DAKHIL MADRASHA	Civil Construction	ICT
KUSHTIA	KUMARKHALI	117710	SHADIPUR ALIM MADRASHA	ICT	Electrical
KUSHTIA	KUSHTIA SADAR	117769	THE OLD KUSHTIA HIGH SCHOOL	ICT	electrical
KUSHTIA	MIRPUR	117835	CHITHALIA HIGH SCHOOL	Electrical	Electronics
MAGURA	MAGURA SADAR	117934	KATAKHALI HIGH SCHOOL	Civil Construction	Mechanical
MAGURA	MAGURA SADAR		JAGDOL RUPATI ALIM MADRASHA	Civil Construction	Electrical
MAGURA	MOHAMMADPUR	118044	PALASH BARIA SECONDARY SCHOOL	Electrical	ICT
MAGURA	SALIKA	118082	SHALIKHA THANA HIGH SCHOOL	Electrical	ICT
MAGURA	SREEPUR	118129	SREEKOLE SECONDARY SCHOOL	Civil Construction	Electrical
MEHERPUR	GANGNI	118216	GARADOB SECONDARY SCHOOL .	ICT	Electrical
MEHERPUR	MEHERPUR SADAR	118296	R.R. SECONDARY SCHOOL	ICT	Civil Construction
MEHERPUR	MEHERPUR SADAR		AMJHUPI ALIM MADRASAH	Electrical	Garment
MEHERPUR	MUJIBNAGAR	118273	ADARSHAW HIGH SCHOOL, SHIBPUR.	ICT	Civil Construction
NARAIL	KALIA	118347	SHAHBAG UNITED ACADEMY	ICT	Electronics
NARAIL	LOHAGORA	118406	MOLLIKPUR UNION HIGH SCHOOL	Electrical	Agriculture and food production
NARAIL	LOHAGORA		AL-JAMIATUL ISLAMIA DAKHIL MADRASA H	Electrical	Civil Construction
NARAIL	NARAIL SADAR	118468	A.B.S. MEMORIAL SECONDARY SCHOOL, NAKOSHI	ICT	Electrical
SATKHIRA	ASSASUNI	118554	KUNDURIA P.N. HIGH SCHOOL	Electrical	ICT
SATKHIRA	DEBHATA	118617	BOHERA A. T. SECONDARY SCHOOL	Electronics	ICT
SATKHIRA	KALAROA	118673	DAMDAM HIGH SCHOOL	ICT	Garment
SATKHIRA	KALIGANJ	118739	CHAMPFUL A.P.C. SECONDARY BIDDYAPITH	Mechanical	Civil Construction
SATKHIRA	SATKHIRA SADAR	118826	SATKHIRA GOVT. HIGH SCHOOL	Civil Construction	ICT
SATKHIRA	SATKHIRA SADAR		KUKHRALI AHMADIA DAKHIL MADRASHA	Electrical	ICT
SATKHIRA	SHYAMNAGAR	118929	ISWARIPUR A. SOBHAN HIGH SCHOOL	Agriculture and food production	Mechanical
SATKHIRA	TALA	119049	FALAYA CHANDKATI AGRANI SECONDARY SCHOOL	Electrical	Mechanical
JESSORE	ABHAYNAGAR		NOWAPARA HIZBULLAH DAKHIL MADRASHA	Electrical	ICT
JESSORE	BAGHER PARA	115559	JAHURPUR RAM GOPAL ML. HIGH SCHOOL	Electrical	ICT
JESSORE	CHOUGASA	115667	PATIBILA HAZI SHANJAHAN ALI HIGH SCHOOL	Electrical	ICT
JESSORE	JESSORE SADAR	116008	MUKTESHWARI SECONDARY SCHOOL	Electrical	ICT
JESSORE	JHIKARGACHA	115731	TAORA AZIZUR RAHMAN SECONDARY SCHOOL	Electrical	ICT
JESSORE	KESHABPUR	115832	MULGRAM SECONDARY SCHOOL	Agriculture and food production	ICT
JESSORE	MONIRAMPUR	116189	MONIRAMPUR ADARSHA SAMMILONEE HIGH SCHOOL	Electrical	ICT
JESSORE	SARSA	116327	BENAPOLE M.L. HIGH SCHOOL	Electrical	ICT



DISTRICT	UPAZILA	EIIN	INSTITUTION_NAME	TRADE NAME 1	TRADE NAME 2
JESSORE	ABHAYNAGAR	115485	EKTARPUR MODEL HIGH SCHOOL	Electrical	ICT
JAMALPUR	BAKSIGANJ	109689	BATTAJORE NAGAR MAMUD HIGH SCHOOL	Electrical	ICT
JAMALPUR	BAKSIGANJ		DATTARCHAR PURAN BATTAJUR MIR KAMAL HOSEN DAKHIL MADRASHA	Electrical	ICT
JAMALPUR	DEWANGANJ	109734	KAWNAR CHAR M.L. HIGH	Mechanical	Civil Construction
JAMALPUR	DEWANGANJ	109737	BASETPUR BL LATERAL HIGH SCHOOL	Civil Construction	Electrical
JAMALPUR	ISLAMPUR	109808	SHYAM PUR HIGH SCHOOL	Garment	ICT
JAMALPUR	ISLAMPUR	109790	KUIKANDI SHAMSUNNAHAR HIGH SCHOOL	Electrical	Mechanical
JAMALPUR	JAMALPUR SADAR	109897	BARUAMARI JAHURA KHATUN HIGH SCHOOL	Electrical	ICT
JAMALPUR	MADER GONJ	110022	FULJORE RAHIMJUFOR HIGH SCHOOL	ICT	Garment
JAMALPUR	MELANDAH	110111	BHABKI G.M. HIGH SCHOOL	Electrical	ICT
JAMALPUR	SARISHABARI	110184	BARISTAR ABDUS SALAM TALUKDER HIGH SCHOOL	Agriculture and food production	ICT
KISHOREGA NJ	AUSTAGRAM	110234	HAQUE SAHEB HIGH SCHOOL	Electrical	Garment
KISHOREGA NJ	AUSTAGRAM	110227	KADIRPUR S. M. NATH HIGH SCHOOL	Electrical	Garment
KISHOREGA NJ	AUSTAGRAM	110237	BANGALPARA ISLAMIA DAKHIL MASRASHA	Electrical	Garment
KISHOREGA NJ	AUSTAGRAM	110236	DARUL QURAN DAKHIL MADRASHA	Electrical	Garment
KISHOREGA NJ	BAJITPUR	110253	MOFIZUR RAHMAN ROKAN HIGH SCHOOL	Electrical	Civil Construction
KISHOREGA NJ	BHAIRAB	110267	KALIKA PRASAD HIGH SCHOOL	Electrical	Mechanical
KISHOREGA NJ	BHAIRAB		AFTABUL ULUM ALIM MADRASAH	Electrical	ICT
KISHOREGA NJ	HOSSAINPUR	110303	HAZI JALAL UDDIN HIGH SCHOOL	Civil Construction	Electrical
KISHOREGA NJ	ITNA	110330	LIMEPASHA HIGH SCHOOL	Electrical	Electronics
KISHOREGA NJ	ITNA	110330	JOYSIDDHI HIGH SCHOOL	Electrical	Garment
KISHOREGA NJ	ITNA	110339	ITNA NURPUR D.D. MADRASAH	Electrical	Garment
KISHOREGA NJ	KARIMGANJ	110364	ZAFRABAD HIGH SCHOOL	Electrical	ICT
KISHOREGA NJ	KATIADI	110394	LOHAJURI UNION HIGH SCHOOL	Electrical	Garment
KISHOREGA NJ	KISHOREGANJ SADAR	134505	ALHAJ SHAMSUDDIN BHUIYAN HIGH SCHOOL	Electrical	Garment
KISHOREGA NJ	KULIARCHAR	110506	CHHAYSUTI UNION HIGH SCHOOL	Electrical	ICT
KISHOREGA NJ	MITAMAIN	110516	GOPEDIGHI J.N. HIGH SCHOOL	Electrical	Garment
KISHOREGA NJ	MITAMAIN	110513	GHAGRA A. G. HIGH SCHOOL	Electronics	Garment
KISHOREGA NJ	MITAMAIN	110525	CHAMAK PUR ISLAMIA DAKHIL MADRASHA	Electrical	Garment
KISHOREGA NJ	NIKLI	110533	DAMPARA KARAR MAHTAB UDDIN HIGH SCHOOL	Garment	ICT
KISHOREGA NJ	PAKUNDIA	110618	CHAR PALASH HIGH SCHOOL	Electrical	ICT
KISHOREGA NJ	TARAIL	110623	JAWAR HIGH SCHOOL	Electrical	Mechanical
MYMENSIN GH	BHALUKA	111262	BHARDUBA HIGH SCHOOL	ICT	Mechanical

DISTRICT	UPAZILA	EIIN	INSTITUTION_NAME	TRADE NAME 1	TRADE NAME 2
MYMENSIN GH	DHOBAURA	111367	KRISHNAPUR BOHUMUKHI HIGH SCHOOL	ICT	Electronics
MYMENSIN GH	FULBARIA	111410	KUSHMAIL UNION BADARUDDIN HIGH SCHOOL	Electronics	ICT
MYMENSIN GH	GAFARGAON	111525	KURCHAI M.P.M HIGH SCHOOL	Electronics	ICT
MYMENSIN GH	GAFARGAON		DAWA DAIR SUMSUL ULUM DAKHIL MADRASAH	Electronics	ICT
MYMENSIN GH	GOURIPUR	111693	DR. M.R. KARIM HIGH SCHOOL	Electrical	ICT
MYMENSIN GH	HALUAGHAT	111732	BAHIR SHIMUL HIGH SCHOOL	ICT	Electrical
MYMENSIN GH	ISHWARGANJ	111783	SHOHAGI UNION HIGH SCHOOL	Electrical	Mechanical
MYMENSIN GH	MUKTAGACHA	111937	NABARUN BIDYANIKETAN	Refrigeration and Air Conditioning	ICT
MYMENSIN GH	MYMENSINGH SADAR	111834	PREMIR IDEAL HIGH SCHOOL	Agriculture and food production	ICT
MYMENSIN GH	NANDAIL	112015	NANDAIL ROAD HIGH SCHOOL	Electrical	Electronics
MYMENSIN GH	PHULPUR	112089	GOKUL CHANDRA HIGH SCHOOL, PAYARI	Electrical	ICT
MYMENSIN GH	TARAKANDA	112088	BATTA BHAT PARA S.C HIGH SCHOOL	Civil Construction	Electrical
MYMENSIN GH	TRISHAL	112203	DHANIKHOLA HIGH SCHOOL	ICT	Electrical
NETRAKON A	ATPARA	112888	TELIGATI B.N.H.K. ACADEMY	Electrical	ICT
NETRAKON A	BARHATTA	112916	NISCHINTAPUR HIGH SCHOOL	Refrigeration and Air Conditioning	ICT
NETRAKON A	DURGAPUR	112946	BIRISIRI PCNALL MEMORIAL HIGH SCHOOL	Electrical	ICT
NETRAKON A	KALMAKANDA	113008	ASHUJIA J. N. C.INSTITUTE	Refrigeration and Air Conditioning	ICT
NETRAKON A	KENDUA	113040	SHAJIURA HIGH SCHOOL	ICT	Electrical
NETRAKON A	KENDUA		KENDUA ASRAFIA HOSSAINIA DAKHIL MADRASHA	Refrigeration and Air Conditioning	ICT
NETRAKON A	KHALIAJURY	112976	SHALDIGHA GOPALGOPINATH HIGH SCHOOL	Civil Construction	ICT
NETRAKON A	KHALIAJURY	112978	KHALIAJURY PILOT HIGH SCHOOL	Agriculture and food production	Electrical
NETRAKON A	KHALIAJURY	112988	NURPUR BOALI DAKHIL MADRASHA	Electrical	ICT
NETRAKON A	MADAN	113092	MADAN ADARSHA PUBLIC HIGH SCHOOL	Electrical	ICT
NETRAKON A	MOHANGANJ	113118	MOHANGONJ PILOT GOVT. HIGH SCHOOL	Electrical	ICT
NETRAKON A	NETRAKONA	113144	MUKTAL HOSSAIN HIGH SCHOOL	Electrical	Mechanical
NETRAKON A	PURBADHALA	113210	NARAYAN DAHAR HIGH SCHOOL	Electrical	Garment
SHERPUR	JHENAIGATI	113688	GHAGRA DAKHIN PARA F. RAHMAN H/S	Electrical	Garment
SHERPUR	NAKLA	113732	DHANAKUSA HIGH SCHOOL	ICT	Electrical
SHERPUR	NAKLA		MOMINAKANDA AL-AMIN DAKHIL MADRASHA	Electronics	ICT
SHERPUR	NALITABARI	113784	PALASHI KURAJANATA HIGH SCHOOL	Electrical	Garment
SHERPUR	SHERPUR	113868	SHERPUR GOVT. VICTORIA ACADEMY	Electrical	ICT



DISTRICT	UPAZILA	EIIN	INSTITUTION_NAME	TRADE NAME 1	TRADE NAME 2
	SADAR				
SHERPUR	SREEBORDI	113930	BHARERA S.P. HIGH SCHOOL	ICT	Electrical
TANGAIL	BASAIL	113982	BATHULI SADI LAILY BEGUM HIGH SCHOOL	ICT	Electronics
TANGAIL	BHUAPUR	114018	GOBINDASHI HIGH SCHOOL	Electronics	ICT
TANGAIL	BHUAPUR	114033	MOMTAZ FAKIR HIGH SCHOOL	Electronics	ICT
TANGAIL	DELDUAR	114082	BATHULI HIGH SCHOOL	Electrical	ICT
TANGAIL	DHANBARI	114357	KENDUA HIGH SCHOOL	ICT	Electronics
TANGAIL	GHATAIL	114109	CHANTARA GANO HIGH SCHOOL	ICT	Electrical
TANGAIL	GHATAIL	114189	BIOHAIL ISLAMIA DAKHIL MADRASHA	ICT	Electrical
TANGAIL	GOPALPUR	114221	BHENGULA BAHUMUKHI HIGH SCHOOL	Agriculture and food production	Electrical
TANGAIL	KALIHATI	114320	KHILDA HIGH SCHOOL	ICT	Mechanical
TANGAIL	MADHUPUR	114384	AHAMMAD ALI MEMORIAL HIGH SCHOOL	Electrical	ICT
TANGAIL	MADHUPUR		NAGBARI TALIMUL ISLAM DAKHIL MADRASHA	Electrical	ICT
TANGAIL	MIRZAPUR	114492	RAJABARI HIGH SCHOOL	ICT	Electrical
TANGAIL	NAGARPUR	114530	NAYANKHAN MEMORIAL HIGH SCHOOL	Electrical	ICT
TANGAIL	SAKHIPUR	114608	KALIAN HIGH SCHOOL	Electrical	Mechanical
TANGAIL	TANGAIL SADAR	114708	SHAHEED JAHANGIR HIGH SCHOOL	Garment	ICT
BARGUNA	AMTALI	100018	TARIKATA SECONDARY SCHOOL	Electrical	Garment
BARGUNA	BAMNA	100122	JAFRAKHALI HIGH SCHOOL	Civil Construction	Garment
BARGUNA	BARGUNA SADAR	100153	BABUGANJ ADARSHA SECONDARY SCHOOL	Agriculture and food production	ICT
BARGUNA	BARGUNA SADAR		AYLA PATAKATA DARUL ULUM SALEHIA DAKHIL MADRASHA	Electrical	ICT
BARGUNA	BETAGI	100255	CHANDKHALI ISHAQUE HIGH SCHOOL	Electronics	ICT
BARGUNA	BETAGI	100284	RANIPUR GARIABDUNIA ESHAKIA ALIM MADRASAH	Civil Construction	Electronics
BARGUNA	PATHARGHATA	100300	KALMEGHA MUSLIM SECONDARY SCHOOL	Civil Construction	Electrical
BARGUNA	PATHARGHATA	100324	BARI AZAD SECONDARY SCHOOL	Civil Construction	Electrical
BARGUNA	TALTALI	100027	CHHOTO BOGI P.K HIGH	Agriculture and food production	ICT
BARGUNA	TALTALI	100083	PURBA KCHU PATRA SALEHA DAKHIL MADRASA	Agriculture and food production	ICT
BARISAL	AGAILJHARA	100359	BARPAIKA SECONDARY SCHOOL	Electrical	Garment
BARISAL	BABUGANJ	100408	RASHED KHAN MENON MODEL HIGHER SECONDARY SCHOOL	Garment	Refrigeration and Air Conditioning
BARISAL	BAKERGONJ	100467	MACHUA KHALI SHER-E-BANGLA HIGH SCHOOL	Agriculture and food production	Electrical
BARISAL	BANARIPARA	100612	BAISHARI SECONDARY SCHOOL	ICT	Electrical
BARISAL	BANARIPARA		M A LATIF BAHUMUKHI DAKHIL MAD	ICT	Electrical
BARISAL	BARISAL SADAR	100750	SYEDA MAZIDUNNESSA HIGH SCHOOL	ICT	Garment
BARISAL	GOURNADI	100671	MAHILARA A.N.SECONDARY SCHOOL	Garment	Electrical
BARISAL	HIZLA	100711	HIZLA P.N. SECONDARY SCHOOL	ICT	Electronics
BARISAL	HIZLA	100723	ALHAZ MAOLANA MUSTA FIZUR RAHMAN HIGH SCHOOL	Agriculture and food production	Mechanical
BARISAL	MEHENDIGANJ	100898	BHANGA KADIRABAD SECONDARY SCHOOL	Electrical	ICT
BARISAL	MULADI	100971	CHAR LAXMIPUR HIGH SCHOOL	Garment	ICT
BARISAL	WAZIRPUR	101042	JOYSHREE MUNDAPASHA S.A.B.M.	ICT	Garment

DISTRICT	UPAZILA	EIIN	INSTITUTION_NAME	TRADE NAME 1	TRADE NAME 2
			SECONDARY SCHOOL		
BHOLA	BHOLA SADAR	101111	BHOLA GOVT. HIGH SCHOOL	Electrical	ICT
BHOLA	BHOLA SADAR		CHANDRA PROSAD ISLAMIA ALIM MADRASAH	Electrical	ICT
BHOLA	BORHANUDDIN	101225	DEULA TALUKDAR BARI SEC. SCHOOL, BORHANUDDIN	Garment	ICT
BHOLA	CHARFESSION	101318	CHARMAN BAZAR SECONDARY SCHOOL	Agriculture and food production	ICT
BHOLA	CHARFESSION	101380	CHOWMUHANI A.M.D MADRASAH	Agriculture and food production	ICT
BHOLA	DAULATKHAN	101452	AZHAR ALI SECONDARY SCHOOL	Electrical	ICT
BHOLA	LALMOHAN	101514	ASHRAF NAGAR HIGH SCHOOL	Electrical	Garment
BHOLA	MONPURA	101578	SAMEDPUR BANGLABAZAR HIGH SCHOOL	Electrical	Garment
BHOLA	MONPURA	101580	SAKUCHIA SECONDARY SCHOOL	Civil Construction	ICT
BHOLA	TOZUMUDDIN	101596	SHAMBHUPUR SECONDARY SCHOOL	ICT	Electrical
JHALOKATI	JHALAKATHI SADAR	101636	UDBODHAN SECONDARY SCHOOL	Refrigeration and Air Conditioning	Electrical
JHALOKATI	KATHALIA	101729	K.B.K. HIGH SCHOOL	ICT	Mechanical
JHALOKATI	NALCHITY	101632	PROTAP HIGH SCHOOL	ICT	Electrical
JHALOKATI	NALCHITY		NALCHITY ISLAMIA SR MADRASHA	ICT	Garment
JHALOKATI	RAJAPUR	101895	MONOHAR PUR HIGH SCHOOL	ICT	Electrical
PATUAKHAL I	BAUPHAL	101991	KALAIYA HIGH SCHOOL	Civil Construction	ICT
PATUAKHAL I	DASHMINA	102118	S A SECONDARY SCHOOL AROJBEGI	Electronics	ICT
PATUAKHAL I	DUMKI	102173	ANGARIA SECONDRY SCHOOL	Civil Construction	Electrical
PATUAKHAL I	GALACHIPA	102242	HARIDEBPUR SECONDARY SCHOOL	Electrical	ICT
PATUAKHAL I	GALACHIPA	102242	PANPATTY SECONDARY SCHOOL	Electrical	ICT
PATUAKHAL I	GOLACIPA		MADHA PANPATTI ISLAMIA ALIM MADRASHA	Electrical	ICT
PATUAKHAL I	KALAPARA	102349	PAKHIMARA PROFULLABHOWMICK S/S	Civil Construction	ICT
PATUAKHAL I	KALAPARA	102373	EAQUB ALI TALIKDER ISLAMIA FAZIL MADRASAH	Agriculture and food production	ICT
PATUAKHAL I	MIRZAGONJ	102419	MIRZAGONJ U D S HIGH SCHOOL	Electrical	ICT
PATUAKHAL I	PATUAKHALI	102500	BADARPUR SHAHEED SMRITI SECONDARY SCHOOL	Garment	Refrigeration and Air Conditioning
PATUAKHAL I	RANGABALI	102227	CHAR MONTAZ A. SATTAR HIGH SCHOOL	Agriculture and food production	Garment
PATUAKHAL I	RANGABALI	102227	MOUDUBI HIGH SCHOOL	Agriculture and food production	Garment
PIROJPUR	BHANDARIA	102609	BHITABARIA ADARSHA HIGH SCHOOL	Electrical	ICT
PIROJPUR	KAUKHALI	102696	EGS SHIKSHA NIKETAN	Civil Construction	ICT
PIROJPUR	MATHBARIA	102751	SONAKHALI MUNSHI ABDUL KADER HIGH SCHOOL	ICT	Electrical
PIROJPUR	MATHBARIA		MATH BARIA MOMENIA D. MADRASAH	ICT	Electrical
PIROJPUR	NAZIRPUR	102827	SIRAJUL HAQUE GOVT. HIGH SCHOOL	Garment	Refrigeration and Air Conditioning
PIROJPUR	NESARABAD	103002	AKALAM MUSLIM SECONDARY SCHOOL	Agriculture and food production	Garment

DISTRICT	UPAZILA	EIIN	INSTITUTION_NAME	TRADE NAME 1	TRADE NAME 2
PIROJPUR	PIROJPUR SADAR	102917	TEJDASKATI SECONDARY SCHOOL	Agriculture and food production	ICT
PIROJPUR	ZIANAGAR	102963	KALARAN CHANDIPUR ADARSHA HIGH SCHOOL	Garment	ICT
HABIGANJ	AJMIRIGANJ	129318	JALSUKHA K.G,P.HIGH SCHOOL	ICT	Refrigeration and Air Conditioning
HABIGANJ	AJMIRIGANJ	129322	SHIB-PASHA HIGH SCHOOL	Electrical	Garment
HABIGANJ	AJMIRIGANJ	129324	MOMCHAN BHUIYAN ADARSHA DAKHIL MADRASHA	Electronics	ICT
HABIGANJ	BAHUBAL	129326	PUTIJURI S. C. HIGH SCHOOL	Civil Construction	ICT
HABIGANJ	BANIYACHONJ	129344	BANIYACHONG ADARSHA HIGH SCHOOL	Agriculture and food production	ICT
HABIGANJ	CHUNARUGHAT	129385	ALHAZ MOZAFFAR UDDIN HIGH SCHOOL	Electrical	ICT
HABIGANJ	CHUNARUGHAT		HAZI ALIM ULLAH SENIOR ALIM MADRASAH	Electrical	ICT
HABIGANJ	HABIGANJ SADAR	129430	HABIGANJ GOVT. HIGH SCHOOL	Electronics	ICT
HABIGANJ	LAKHAI	129452	RARISHAL KARAB HIGH SCHOOL	Garment	ICT
HABIGANJ	MADHABPUR	129468	AULIABAD R K HIGH SCHOOL	Electrical	ICT
HABIGANJ	NABIGONJ	129507	SYED AZIZ HABIB HIGH SCHOOL	ICT	Garment
MAULVIBAZAR	BARLEKHA	129552	KATHAL TALI HIGH SCHOOL	ICT	Electrical
MAULVIBAZAR	JURI	129639	JAIFOR NAGAR HIGH SCHOOL	Civil Construction	ICT
MAULVIBAZAR	KAMALGANJ	129591	M.A.WAHAB HIGH SCHOOL	Electrical	Electronics
MAULVIBAZAR	KULAURA	129643	UTTAR KULAURA HIGH SCHOOL	Civil Construction	ICT
MAULVIBAZAR	MOULVIBAZAR SADAR	129693	SHAH HELAL HIGH SCHOOL	Agriculture and food production	Electronics
MAULVIBAZAR	RAJNAGAR	129746	MOHOLAL HIGH SCHOOL	ICT	Electrical
MAULVIBAZAR	RAJNAGAR		MOSHORIA EMDADIA DAKHIL MADRASA	ICT	Electrical
MAULVIBAZAR	SRIMANGAL	129771	MONAIULLAH ADARSHA HIGH SCHOOL	Electrical	Plumbing and pipe Fitting
SUNAMGANJ	BISWAMBARPUR	129791	DHANPUR ASMAT ALI PUBLIC HIGH SCHOOL	ICT	Civil Construction
SUNAMGANJ	CHHATAK	129825	HAZI KAMAR ALI HIGH SCHOOL	Electrical	Garment
SUNAMGANJ	DERAI	129866	RAJANI GONJ HIGH SCHOOL	Agriculture and food production	Refrigeration and Air Conditioning
SUNAMGANJ	DERAI	129864	BRAJENDRAGANJ R.C. HIGH SCHOOL	Agriculture and food production	Electrical
SUNAMGANJ	DERAI		HAJEE MAHMUD MIAH ISLAMIAH DAKHIL MADRASHA	Civil Construction	Refrigeration and Air Conditioning
SUNAMGANJ	DHARMA PASHA	129892	JOYSREE HIGH SCHOOL	Electrical	Garment
SUNAMGANJ	DUARABAZAR	129915	AMBARI HIGH SCHOOL	Electronics	ICT
SUNAMGANJ	JAGANNATHPUR	129949	RANIGONJ HIGH SCHOOL	Civil Construction	Refrigeration and Air Conditioning
SUNAMGANJ	JAMALGONJ	129986	SACHNA BAZAR HIGH SCHOOL	Electrical	ICT
SUNAMGANJ	SOUTH SUNAMGONJ	130056	ABDUR RASHID HIGH SCHOOL	Electrical	Welding and Fabrication
SUNAMGANJ	SULLA	130002	GIRIDHAR HIGH SCHOOL	Agriculture and	Garment

DISTRICT	UPAZILA	EIIN	INSTITUTION_NAME	TRADE NAME 1	TRADE NAME 2
J				food production	
SUNAMGAN J	SULLA	130001	SHAHID ALI PILOT PUBLIC HIGH SCHOOL	Agriculture and food production	Garment
SUNAMGAN J	SUNAMGANJ SADAR	130019	JOYNAGAR BAZAR HAZI GANI BAKSH HIGH SCHOOL	Electrical	Welding and Fabrication
SUNAMGAN J	TAHIRPUR	130069	ANWARPUR HIGH SCHOOL	Electronics	ICT
SUNAMGAN J	TAHIRPUR	130074	TAHIRPUR H.U. ALIM MADRASAH	Electronics	ICT
SYLHET	BALAGANJ	130084	BOAL JUR BAZAR HIGH SCHOOL	Electronics	Garment
SYLHET	BEANIBAZAR	130139	BAIRAGI BAZAR HIGH SCHOOL	Electrical	Mechanical
SYLHET	BEANIBAZAR	130143	LAUTA HIGH SCHOOL	Electrical	Refrigeration and Air Conditioning
SYLHET	BEANIBAZAR		DASURA SENIOR ALIM MADRASHA	Garment	ICT
SYLHET	BISWANATH	130183	ZAMIR AHMED ML HIGH SCHOOL	Electrical	Refrigeration and Air Conditioning
SYLHET	COMPANIGONJ	130225	DHALAR PAR HIGH SCHOOL	ICT	Mechanical
SYLHET	DAKSHIN SURMA	130476	RENGA HAZI GANJ HIGH SCHOOL	ICT	Electronics
SYLHET	FENCHUGANJ	130246	UTTAR KUSHIARA SECONDARY SCHOOL	Electrical	ICT
SYLHET	GOLAPGANJ	130264	SHAHJALAL ADARSHA HIGH SCHOOL	Civil Construction	Electrical
SYLHET	GOLAPGANJ	130274	BARAYA HIGH SCHOOL	Electrical	Refrigeration and Air Conditioning
SYLHET	GOLAPGANJ		ASIRGONJ DAKHIL MADRASHA	Electrical	ICT
SYLHET	GOWAINGHAT	130319	DR. IDRIS ALI HIGH SCHOOL	Electrical	Plumbing and pipe Fitting
SYLHET	GOWAINGHAT	130310	AMIR MIAH HIGH SCHOOL	Electrical	Electronics
SYLHET	JAINTAPUR	130341	SHARIGHAT HIGH SCHOOL	Civil Construction	Electrical
SYLHET	KANAIGHAT	130365	KANAIGHAT GOVT. HIGH SCHOOL	Electrical	ICT
SYLHET	OSMANI NAGAR	130085	GOALABAZAR ADARSHA HIGH SCHOOL	Garment	ICT
SYLHET	SYLHET SADAR	130413	HAZRAT SHAH PARAN (R.) HIGH SCHOOL	ICT	Electronics
SYLHET	ZAKIGANJ	130509	JOBED ALI SECONDARY SCHOOL	ICT	Electrical
BRAHMANB ARIA	AKHAURA	103156	NURPUR RUTI ABDUL HAQUE BHUYIAN HIGH SCHOOL	Garment	ICT
BRAHMANB ARIA	AKHAURA		HAZRAT SHAH PEER KALLA SHAHID (RH:) DAKHIL MADRASAH	Electronics	ICT
BRAHMANB ARIA	ASHUGONJ	103303	TALSHAHAR A A I HIGH SCHOOL	Electrical	ICT
BRAHMANB ARIA	BANCHNARAMP UR	103175	UJANCHARKN HIGH SCHOOL	Electrical	ICT
BRAHMANB ARIA	BIJOYNAGAR	103260	PANCH GAON ADARSHA HIGH SCHOOL	Electrical	ICT
BRAHMANB ARIA	BRAHMANBARIA	103229	AUSHTAGRAM HIGH SCHOOL	Electrical	Garment
BRAHMANB ARIA	KASBA	103331	CHANDIDAR HIGH SCHOOL	Electrical	ICT
BRAHMANB ARIA	NABINAGAR	103400	SALMGONJ A R M HIGH SCHOOL	Electrical	Plumbing and pipe Fitting
BRAHMANB ARIA	NASIRNAGAR	103448	CHATALPAR WAZUDDIN HIGH SCHOOL	Electrical	ICT
BRAHMANB ARIA	SARAIL	103473	CHUNTA A. C. ACADEMY	Agriculture and food production	Refrigeration and Air Conditioning

DISTRICT	UPAZILA	EIIN	INSTITUTION_NAME	TRADE NAME 1	TRADE NAME 2
BRAHMANBARIA	SARAIL	103474	ARUAIL BOHUMUKHI HIGH SCHOOL	Agriculture and food production	ICT
CHANDPUR	CHANDPUR SADAR	103494	SHOLAGHAR ADARSHA HIGH SCHOOL	Garment	ICT
CHANDPUR	CHANDPUR SADAR		BISHNUDI ISLAMIA ALIM MADRASAH	Electronics	Garment
CHANDPUR	FARIDGANJ	103584	PAIKPARA U.G. HIGH SCHOOL	ICT	Electrical
CHANDPUR	HAIMCHAR	103683	NILKAMAL OSMANIA HIGH SCHOOL	ICT	Electrical
CHANDPUR	HAJIGONJ	103729	RAMCHANDRAPUR BHUIYAN ACADEMY	Garment	Electrical
CHANDPUR	KACHUA	103767	HAZRAT SHAH NEYAMT SHAH HIGH SCHOOL	Garment	Refrigeration and Air Conditioning
CHANDPUR	MATLAB (SOUTH)	103847	BARDIA KAZI SULTAN AHMED HIGH SCHOOL	Electrical	ICT
CHANDPUR	MATLAB(NORTH)	103902	CHARKALIA HIGH SCHOOL	Garment	Electrical
CHANDPUR	MATLAB(NORTH)	103894	JAMILA KHATUN HIGH SCHOOL	Electrical	ICT
CHANDPUR	SHAHRASTI	103962	WARUK RAHMANIA HIGH SCHOOL	ICT	Electronics
COMILLA	ADARSHA SADAR	105779	BIBIR BAZAR HIGH SCHOOL	ICT	Electrical
COMILLA	BARURA	105134	AMRATALI C. ALI HIGH SCHOOL	ICT	Garment
COMILLA	BRAHMANPARA	105205	SHASHIDAL UNION HIGH SCHOOL	ICT	Mechanical
COMILLA	BURICHANG	105275	PURNAMOTI MANSUR AHMED HIGH SCHOOL	ICT	Electrical
COMILLA	CHANDINA	105345	MADHAIA BAZAR SADIM HIGH SCHOOL	Mechanical	Garment
COMILLA	CHOUDDAGRAM	105437	MUNSIRHAT HIGH SCHOOL	ICT	Electronics
COMILLA	COMILLA SOUTH	105712	BIJOYPUR HIGH SCHOOL	ICT	Electrical
COMILLA	DAUDKANDI	105535	SHAHID NAGAR M.A JALIL HIGH SCHOOL	Electronics	Mechanical
COMILLA	DEBIDWAR	105584	KHALIL PUR HIGH SCHOOL	ICT	Civil Construction
COMILLA	HOMNA	105673	HOMNA GOVT. HIGH SCHOOL	ICT	Agriculture and food production
COMILLA	LAKSAM	105887	AL AMIN INSTITUTE	Garment	Electrical
COMILLA	MEGHNA	105974	CHANDANPUR M A HIGH SCHOOL	Plumbing and pipe Fitting	Electrical
COMILLA	MONOHORGON G	105859	POMGAON HIGH SCHOOL	Plumbing and pipe Fitting	Refrigeration and Air Conditioning
COMILLA	MURAD NAGAR	106011	AZIFA KHATUN HIGH SCHOOL	Electronics	Agriculture and food production
COMILLA	NANGALKOT	106083	DATISHAR AHMED DELOWARA MEMORIAL HIGH SCHOOL	ICT	Garment
COMILLA	TITAS	105543	MACHHIMPUR R. R. INSTITUTION	ICT	Electrical
LAKSHMIPUR	KOMOLNAGAR	107134	TORAB GONJ HIGH SCHOOL	ICT	Electrical
LAKSHMIPUR	KOMOLNAGAR	107161	CAHR SAMSUDDIN JAHERIA ISLAMI D.M	Electronics	Refrigeration and Air Conditioning
LAKSHMIPUR	LAXMIPUR SADAR	106888	LAXMIPUR IDEAL SAMAD GOVT. HIGH SCHOOL	Agriculture and food production	ICT
LAKSHMIPUR	RAMGATI	107139	BALUR CHAR HIGH SCHOOL	Civil Construction	ICT
LAKSHMIPUR	RAMGONJ	107067	NOAGAON JANAKOLLAN HIGH SCHOOL	ICT	Electrical
LAKSHMIPUR	ROYPUR	107019	DAKHIN RAIPUR ABDUR RAHMAN ADARSHA HIGH SCHOOL	Plumbing and pipe Fitting	ICT



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**ANNEX-3**

**ATTENDANCE SHEET FOR THE MEMBERS  
PRESENT IN CONSULTATION MEETING**



**SEMI-ANNUAL ENVIRONMENTAL MONITORING REPORT DECEMBER 2018**

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**ANNEX-4**

***Jobsite Inspection Checklist and  
Compliance Issues***

**Subproject Information:**

Subproject Name: \_\_\_\_\_

Subproject Package No.: \_\_\_\_\_ Lot No.: \_\_\_\_\_

Subproject Location \_\_\_\_\_

Construction Contractor Name: \_\_\_\_\_ Contract Date: \_\_\_\_\_

Contract Amount: \_\_\_\_\_ Contract Duration (days) \_\_\_\_\_

Person Responsible: \_\_\_\_\_ Phone \_\_\_\_\_

EED/ PIU EMO: \_\_\_\_\_ Phone \_\_\_\_\_

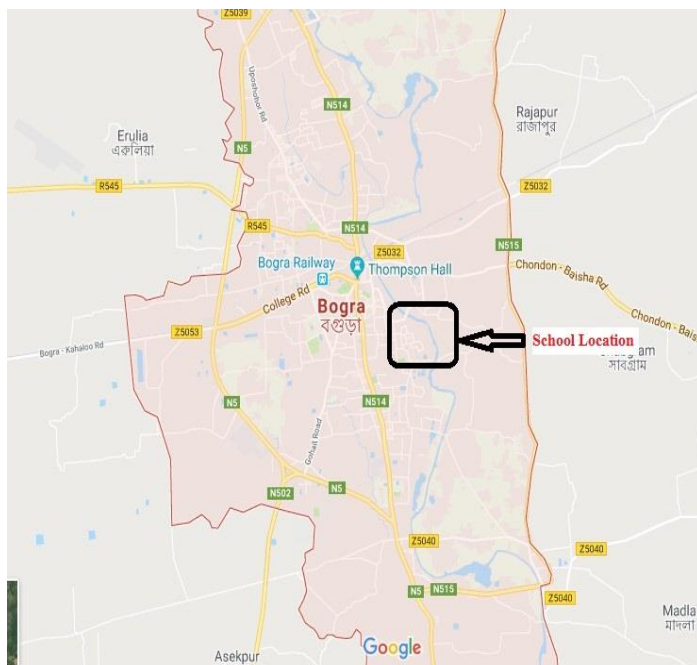
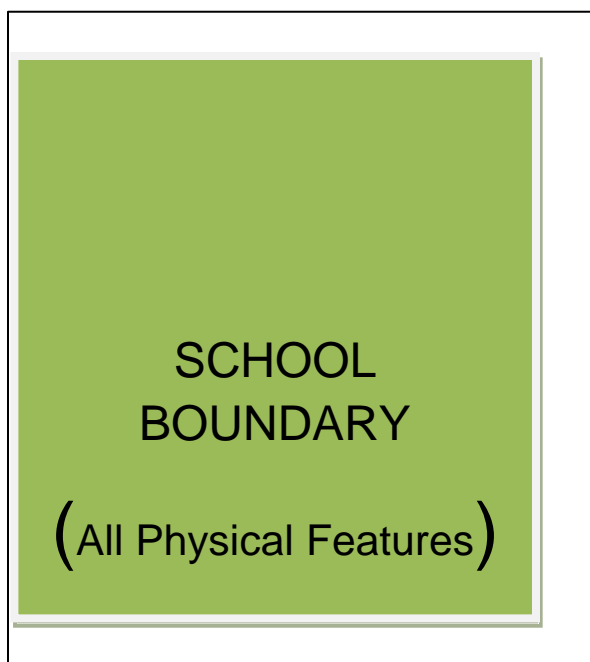
Form Completed by: \_\_\_\_\_ Phone \_\_\_\_\_

## CONCEPT FOR SUB-PROJECT:

Project Influence Area (PIA) map (please draw an updated site map containing key environmental features and proposed interventions including outlet of the drainage network). The design should harmonize with local surroundings, including landscaping and planning for other uses for all additionally created spaces, proper ventilation, and lighting in order to minimize negative impacts on environmental quality and property values.

PIA map to be drawn by SSEE team

**SHOW THE PRESENCE OF INFRASTRUCTURE WITHIN 100 FEET FROM BOUNDARY LINE OF SCHOOL**



SCREENING QUESTIONS	Yes	No	Impact Scale 1=lowest	If "Yes", please provide REMARKS
<b>A. Subproject Siting</b> Is the subproject area adjacent to or within any of the following environmentally sensitive areas?				
Protected Area				
Wetland				
Unstable slope, landslide, erosion area				
Disaster prone area ( e.g. flood, cyclone,				

<b>B. Potential Environmental Impacts</b>				
Loss of agricultural/forest land?				
Negative effects on rare, (vulnerable), threatened, or endangered species of flora and/or fauna or their habitat?				
Negative effects on designated wetlands?				
Negative effects on locally important or valued ecosystems or vegetation?				
Destruction of trees and vegetation?				
Insufficient drainage leading to water logging?				
Negative effects on surface water quality, quantities or flow?				
Block any road/access/approach?				
Will there be any long term impacts on local hydrology?				
Is adequate water supply to school available?				
Increased noise due to day-to-day construction activities?				
<b>C. Other Potential Impacts</b>				
Degradation or disturbance of historical or culturally important sites (mosque, graveyards, monuments etc.)?				
Health risks to labors involved in activities?				
<b>D. Potential Positive Environmental</b>				
Improved sanitation and personal				
Enhanced quality of school environment				
<b>E. Environmental assessment</b>				
What is the environment assessment category (DDR or IEE) as per ECA 97 and ECR97 of GOB and ADB's SPS?				
Will project enhance quality of Education?				
<b>Score Total</b>				

ADB = Asian Development Bank, DDR = due diligence report, ECA = Environmental Conservation Act, ECR = Environmental Conservation Rules, GOB = Government of Bangladesh, IEE = initial environmental examination, SPS = Safeguard Policy Statement. Source: Asian Development Bank.

Name and Signature of Engineering Supervisor: .....

***Jobsite Inspection Checklist*****Sub-Project/school:** \_\_\_\_\_**Location** \_\_\_\_\_**Upzila:** \_\_\_\_\_**Supervising  
Engineer:** \_\_\_\_\_**1. SITE ACCESS****OK****Not OK****ACTION TAKEN**

Clean, level ground

☐☐**2. PROTECTIVE EQUIPMENT****OK****Not OK****ACTION TAKEN**

Hard hats worn

☐☐

Fall protection worn

☐☐**3. GUARDRAILS, BARRICADES****OK****Not OK****ACTION TAKEN**

Located where required

☐☐**4. LADDERS****OK****Not OK****ACTION TAKEN**

Safe, usable condition

☐☐**5. FIRE PROTECTION****OK****Not OK****ACTION TAKEN**

Extinguishers where required

☐☐**6. SIGNS & PRINT MATERIAL****OK****Not OK****ACTION TAKEN**

OH&amp;S Act and regulations

☐☐**7. MATERIALS STORAGE****OK****Not OK****ACTION TAKEN**

Properly located

☐☐

Safely piled, stacked, bundled

☐☐

<b>8. TRENCHES &amp; EXCAVATIONS</b>	<b>OK</b>	<b>Not OK</b>	<b>ACTION TAKEN</b>
Properly sloped, where required	<input type="checkbox"/>	<input type="checkbox"/>	_____
Excavated soil properly placed	<input type="checkbox"/>	<input type="checkbox"/>	_____
<b>9. FORMWORK</b>	<b>OK</b>	<b>Not OK</b>	<b>ACTION TAKEN</b>
Design drawings kept on project	<input type="checkbox"/>	<input type="checkbox"/>	_____
<b>10. HYGIENE</b>	<b>OK</b>	<b>Not OK</b>	<b>ACTION TAKEN</b>
Cleanliness of facilities	<input type="checkbox"/>	<input type="checkbox"/>	_____
<b>11. HOUSEKEEPING</b>	<b>OK</b>	<b>Not OK</b>	<b>ACTION TAKEN</b>
Clear walkways	<input type="checkbox"/>	<input type="checkbox"/>	_____
Clear work areas	<input type="checkbox"/>	<input type="checkbox"/>	_____
Clear access and landing	<input type="checkbox"/>	<input type="checkbox"/>	_____
<b>12. SCAFFOLDS</b>	<b>OK</b>	<b>Not OK</b>	<b>ACTION TAKEN</b>
Acceptable loading	<input type="checkbox"/>	<input type="checkbox"/>	_____
<b>13. FIRST AID REQUIRMENTS</b>	<b>OK</b>	<b>Not OK</b>	<b>ACTION TAKEN</b>
Adequate qualified first aiders on jobsite	<input type="checkbox"/>	<input type="checkbox"/>	_____
<b>14. TRAFFIC CONTROL</b>	<b>OK</b>	<b>Not OK</b>	<b>ACTION TAKEN</b>
Clean, regulation sign	<input type="checkbox"/>	<input type="checkbox"/>	_____
<b>15. WELDING</b>	<b>OK</b>	<b>Not OK</b>	<b>ACTION TAKEN</b>
Rods & cylinders properly labeled	<input type="checkbox"/>	<input type="checkbox"/>	_____

**Name and Signature of Engineering Supervisor:**

### ***Monitoring Checklist on Construction and Environmental Issues***

SL	Issues	Yes	No	Remarks
1	Does the subproject design meet applicable engineering safety and public health standards?			
2	Have applicable resettlement provisions been disclosed and compensation made to affected persons or households?			
3	Have special conditions and the construction best practice been included in the procurement documents?			
4	Has the Contractor's supervisory staff obtained construction management training and orientation?			
5	Has the contractor posted a public notice regarding the nature, extent and cost of the project?			
6	Are locations for equipment/materials storage sufficiently distant from schools and hospitals?			
7	Have worksite and ancillary sites been surveyed and pegged to ensure correct lines and grades?			
8	Has final verification of affected persons/assets been undertaken prior to commencement of works?			
9	Are owner agreements in place for temporary use of land for worker camps and construction yards?			
10	Are quarry sites, borrow pits and spoil disposal sites selected in consultation with local authorities?			
11	Is GOB labor law complied with in hiring of workers?			
12	Are supervisors or other site personnel trained in basic first aid emergency response measures?			
13	Are first aid kits readily available to workers at the job site along with instructions for use?			
14	Has the contractor undertaken an awareness program for communicable diseases/HIV-AIDS?			
15	Has the contractor provided necessary safety equipment to workers and training in use?			
16	Are construction camps adequately equipped with water supply, sanitary toilets, washing facilities and facilities for waste collection and storage?			
17	Do workers at construction sites have access to potable water supply and toilet facilities?			
18	Does the contractor engage women laborers and project-affected women in suitable work?			
19	Does the contractor provide equal wages for equal value of work to women engaged at the worksite?			
20	Has separate sanitation facilities been provided for women at work camps and the construction site?			
21	Has the contractor posted a public notice regarding the Grievance Redress Mechanism (GRM)?			
22	Has there been a public consultation regarding construction environmental impact, and the community complaints system?			



SL	Issues	Yes	No	Remarks
23	Is temporary access provided to homes and businesses?			
24	Is permanent access reinstated on completion of a segment of work?			
25	Are construction hours adjusted around houses, hospitals and schools to minimize disturbance?			
26	Does the contractor limit the scope of construction in progress			
27	Are physical impacts on public infrastructure and service disruption minimized?			
28	Are materials transported on approved haul routes? to minimize community impacts?			
29	Is construction equipment kept in good condition?			
30	Do vehicles operate within legal speed limits?			
31	Are trucks hauling bulk materials covered in transit?			
32	Is dust suppressed and road surfaces kept clean?			
33	Has the contractor installed signs and lighting in vicinity of works on public roads? maintained?			
34	Are construction activities barricaded and pedestrian pathways			
35	Have complaints arising during the quarter been satisfactorily resolved?			
36	Are construction camps and equipment/materials stores maintained in clean and hygienic condition?			
37	Are oil, fuel and chemicals stored in enclosed areas (dyked or covered)?			
38	Have existing drainage patterns been maintained during construction?			
39	Are sediment controls installed upslope of waterways?			
40	Have drainage fixtures, curbs, road shoulders and ditch slopes been finished out to prevent hazard to the public during use?			
41	Are ground surfaces in the project area graded to prevent water from collecting?			
42	Have all construction debris, tree cuttings, excess dirt, rubble and scrap been removed from the construction zone?			
43	Have all pits been filled in and graded to drain, underground tanks (including septic tanks) removed and holes backfilled?			
44	Are all wastes and unused materials removed from the site, equipment yards and worker camps?			
45	Have all points of access (drives, walks) and utilities (water supply, power, communications) to public and private property been restored to original condition?			
46	Have all complaints by project-affected persons been resolved by the Contractor?			

## MATERIAL INSPECTION AND TESTING

Field Inspections and testing	OK	Not OK	ACTION TAKEN
a. Inspection and Testing of Earthwork	<input type="checkbox"/>	<input type="checkbox"/>	_____
b. Inspection of subgrades intended for support of structures, slab-on- grade and pavements.	<input type="checkbox"/>	<input type="checkbox"/>	_____
c. Inspection and testing of soil fill, backfill and trench work.	<input type="checkbox"/>	<input type="checkbox"/>	_____
d. Monitoring of temporary dewatering and drainage systems.	<input type="checkbox"/>	<input type="checkbox"/>	_____
e. Inspection of subgrade and perimeter sub-drainage systems.			
f. Monitoring of Soil and Aggregate Placement and Compaction	<input type="checkbox"/>	<input type="checkbox"/>	_____
g. Inspection of Steel Reinforcement	<input type="checkbox"/>	<input type="checkbox"/>	_____
h. Sampling and Field Testing of Fresh Concrete	<input type="checkbox"/>	<input type="checkbox"/>	_____
i. Monitoring of temporary dewatering and drainage systems			
j. Monitoring and Inspection of Deep Foundations (Drilled Piers, Driven Piles, Micropiles)	<input type="checkbox"/>	<input type="checkbox"/>	_____
k. Floor flatness and Floor Level Testing.	<input type="checkbox"/>	<input type="checkbox"/>	_____
			<b>ACTION TAKEN</b>
<b>Laboratory Testing</b>	<b>OK</b>	<b>Not OK</b>	
l. Laboratory Testing of Soils, Aggregates and Concrete	<input type="checkbox"/>	<input type="checkbox"/>	_____
m. Determination of Soil Properties and Suitability for Construction			
n. Determination of Soil Strength Properties	<input type="checkbox"/>	<input type="checkbox"/>	_____
o. Asphalt, Aggregate, Concrete Laboratory Testing	<input type="checkbox"/>	<input type="checkbox"/>	_____
p. Testing of Concrete Compression Strengths	<input type="checkbox"/>	<input type="checkbox"/>	_____
q. Sampling and Testing of In-place Hardened Concrete.	<input type="checkbox"/>	<input type="checkbox"/>	_____

Name and Signature of Engineering Supervisor: .....

**Compliances and Non-compliances Issues Monitoring Format at the School Environment**

Subproject Name: \_\_\_\_\_

Subproject Location: \_\_\_\_\_

Sl#	Concerns/ issues	Recommended measures	Implementation/ Compliances: Yes/No	Remedial Measures
1	Seating arrangement	Seating arrangement should be comfortable		
2	First Aid facilities	First Aid facilities should be available in the schools		
3	Firefighting	Firefighting equipment should be available in the schools		
4	Safe drinking water	Pure drinking water (Arsenic free) should be provided		
5	Electricity	Electricity, fan, and light should be available in the schools; energy efficient light and fan should be used		
6	Disposal of wastes	Ensure that there is an adequate provision of correctly-marked waste containers made available at convenient locations for the disposal of wastes		
7	Smoking	Schools and classrooms should be marked up as a "no smoking zone"		
8	Sanitation facilities	Sanitation facilities (washroom, urinal etc.) should be ensured in the schools; provision of water closet and flushing system in toilet and bathroom; fixing of hand basins; and cleanliness		
9	Ventilation	Provision of adequate ventilation in the classroom of the schools		
10	Management of Chemical wastes from science lab	Chemical wastes from the laboratory should strictly be discharged to the designated concrete covered pit by the school authority so that surrounding environment is not polluted; a waste management plan should be prepared by the school authority and be strictly followed		

Sl#	Concerns/ issues	Recommended measures	Implementation/ Compliances: Yes/No	Remedial Measures
11	Domestic sewage	Sewage from the school/toilets shall be subject to suitable treatment prior to discharge to the environment; under no circumstances, untreated wastes will be discharged into the environment		
12	Praying room	Separate praying rooms for men and women should be ensured in the schools		
13	Gender equity	Gender equity should be followed during admission;  Separate washroom for boys and girls are clearly marked up		

Source: Asian Development Bank.

SMC/ HT: Name : ..... Designation/ Seal ..... date  
.....

Subproject Name: \_\_\_\_\_

Subproject Location \_\_\_\_\_

**Compliances and Non-compliances Issues Monitoring Format****Contractor Compliance Checklist**

Provisions/ Compliances	Yes	No
11. Provision of adequate healthcare facilities (first aid) within construction sites;		
12. Training of all construction workers in basic safety; sanitation and healthcare issues; specific hazards of their work; personal protection equipment for workers,		
13. Such as safety boots, helmets, gloves, protective clothing, goggles and ear protection;		
14. Clean drinking water for all workers;		
15. Safe access across the construction areas;		
16. Arrangement for water spray at the construction area throughout the construction time;		
17. Ensure that no child labor will be deployed;		
18. Lab wastes will be disposed properly with adopting an appropriate disposal facilities;		
19. Keep work areas clean and tidy; and		
20. Ensure that there is adequate provision of correctly marked waste containers made available at convenient locations for the disposal of wastes.		

Concern issue	Recommended measures	Implementation/Compliances:Yes/No	Remedial Measures
Toilet and ablation facilities	Ensure that adequate toilet and ablation facilities are provided at the construction site		
Environment Officer	Contractor should appoint an Environment Officer to monitor the issues recommended in the mitigation measures to make the project environment-friendly		

**Drinking Water Quality Testing Cost**

SN.	Water Quality Parameter	No. of Test	Unit Cost	Total Cost
1	Arsenic (Central + Zonal Lab )	20	450.00	9000.00
2	Manganese (Central + Zonal Lab )	20	300.00	6000.00
3	Iron (Central + Zonal Lab )	20	450.00	9000.00
4	Salinity (Central + Zonal Lab )	20	50.00	1000.00
5	Chloride (Central + Zonal Lab )	20	250.00	5000.00
6.	Cost of container, sampling, transportation	20	1000.00	20,000.00
	Total Cost		2500.00	50000.00
	Taka Fifty Thousands Only			

Note:

1. Sample to be collected in designated container and need to be preserved before transportation
2. The sample is collected from the schools and transported to the DPHE Lab.
3. 2. The Payment for testing will be made in the form of "Chalan" in the name of DPHE.(Tk. 30,000.00)
4. Payment will be made at the time of depositing sample.

Name of the construction Company: .....

Prepared by: ..... Countersigned by Superviing Engineer:  
 .....

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**ANNEX-5**

***DRAWING OF REFURBISHED BUILDING FOR PRO-  
VOCATIONAL, VOCATIONAL TRADES AND DISTRICT  
EDUCATION OFFICE***



## Attachment 1:

**†m†KÛvwi GWz†Kkb †m±i Bb†f÷†g>U †cÖvMÖvg (SESIP)-Gi AvIZvq wcÖ-†fv†Kkbvj I  
†fv†Kkbvj †Kvm© PvjyKiY welqK mvi-ms†ÿc**

Kg©ms˘vb Ges ††ki weKvkgvb A\_©bxwZi Pvwñv †gUv†bvi j†ÿ˘ eZ©gv†b KvwiMwi wkÿvq me©vwaK jæZi cÖ˘vb Kiv n†Q| ††k KvwiMwi wkÿvi nvi eZ©gv†b 14% hv evsjv††ki †cÖÿvc†U AcÖZzj| KvwiMwi wkÿvi nvi 20% DbœxZ Kivi j†ÿ˘ miKv†ii wewfbœ KvH©µ†gi g†a˘ mvaviY avivi wkÿv cÖwZôv†b †fv†Kkbvj †Kvm© PvjyKiY Ab˘Zg|

wkÿv gšÿYvj†qi gva˘wgK I D˘Pwkÿv wefv†Mi AvIZvq ev˘levqbxvxb †m†KÛvwi GWz†Kkb †m±i Bb†f÷†g>U †cÖvMÖvg (SESIP)-Gi AvIZvq mvaviY avivi 640wU wkÿv cÖwZôv†b wcÖ-†fv†Kkbvj I †fv†Kkbvj †Kvm© Pvjy ms˘vb i†q†Q| weMZ 24 AvM÷ 2017 Zwvi†L gvbbxq wkÿvgšÿxi mfvcwZ†Zi AbywôZ mfvc mvaviY wkÿv avivq wcÖ-†fv†Kkbvj I †fv†Kkbvj †Kvm© PvjyKiY†i bxwZMZ Aby†gv˘b cÖ˘vb Kiv nq|

†mwmc-Gi AvIZvq mvaviY wkÿv avivi 640wU wkÿv cÖwZôv†b wcÖ-†fv†Kkbvj I †fv†Kkbvj †Kvm© Pvjy wbwgË wWwcwçÖ†Z wbœœewY©Z KvH©µg Ašf©y³ i†q†Q:

K. wbe©vwPZ 640wU wkÿv cÖwZôv†b 03wU AwZwi³ †kÖwYKÿ wbg©vY|

L. AvcvZZt †fv†Kkbvj †Kvm© Pvjy cÖ†qvRbxq DcKiY mieivn|

M. †cÖvMÖv†gi AvIZvq cÖwZwU cÖwZôv†b 02 Rb K†i wkÿK wb†qvM|

G Kg©m˘wP ev˘levq†b AMÖMwZ wbœœefc:

K. G Kg©m˘wP ev˘levq†bi j†ÿ˘ B†Zvg†a˘ GKwU wcÖ-†fv†Kkbvj I †fv†Kkbvj †cÖvMÖvg Bwœúø†g†>Ukb ç˘vb cÖYxZ n†q†Q| G ç˘vb Abymv†i mvaviY wkÿv avivi †gvU 640wU wkÿv cÖwZôv†b 6ô-8g †kÖwY†Z wcÖ-†fv†Kkbvj Ges 9g-10g †kÖwY†Z †fv†Kkbvj †Kvm© Pvjy Kiv n†e| wkÿv cÖwZôv†bi Pvwñv Abymv†i cÖwZwU wbe©vwPZ cÖwZôv†b 02wU K†i †fv†Kkbvj †Kvm© Pvjy Kivi wbwgË †cÖvMÖvg n†Z mnvqZv cÖ˘vb Kiv n†e|

L. 640wU wkÿv cÖwZôv†b wbe©vPb Kiv n†q†Q Ges wbg©vY I c˘Z© KvR iïæ n†q†Q|

gva˘wgK I D˘Pwkÿv wefvM n†Z wbœœewY©Z bxwZgvjv AbymiYc˘e©K 640wU cÖwZôv†b wbe©vPb Kiv n†q†Q:

K. wkÿv cÖwZôv†bi msL˘v wba©viY:

K-1 cÖ†Z˘K Dc†Rjv n†Z 1wU †Kv-GWz†Kkb ˘zj (490wU);

K-2 cÖ†Z˘K †Rjv n†Z 1wU †Kv-GWz†Kkb gv˘vmv (64wU);

K-3 `yM©g l Ae#nwjZ (Pi, nvli l cvnvox AÂj) GjvKv n#Z 50 (cÂvk)wU `czj;

K-4 `yM©g l Ae#nwjZ (Pi, nvli l cvnvox AÂj) GjvKv n#Z 36 (Qwîk)wU gv`avmv;

L. `czj l gv`avmv wbe©vP#bi kZ©:

L-1 #fv#Kkbvj #cÖvMÖvg cwiPvjbvi Rb` AvMÖn \_vK#Z n#e;

L-2 `yBwU K~vmiæg wbg©v#Yi Rb` cÖ#qvRbxq ~vb \_vK#Z n#e;

L-3 we`y`#Zi e`e`v \_vK#Z n#e;

L-4 Ggwcl fz<sup>3</sup> cÖwZôvb n#Z n#e;

L-5 `yM©g l Ae#nwjZ (Pi, nvli l cvnvox AÂj) GjvKvi Rb` kZ©mg~n wkw\_j#hvM`;

Dch©y<sup>3</sup> bxwZgvjv Abyvm#i gvDwk Awa`ß#i BgAvBGm Gi nvjbvMv` WvUv#e#Ri Z#\_i wfwË#Z evQvBK...Z 1968wU cÖwZôv#bi ZvwjKv hvPvB-evQvBc~e©K wb#æewY©Z wefvRb Abyvm#i 640wU wkÿv cÖwZôvb wbe©vPb Kiv n#q#Q|

weMZ 26.06.2018 Zvwi#L KvwiMwi wkÿv Awa`ß#i AbywôZ ewY©Z Kg©m~wP ev`levq#bi wbwgË wb#æewY©Z 10wU AMÖvwaKvi #U#W wPwÝZ Kiv nq:

Sl.	Sector	Priority Trade
01.	Agriculture and Food Production	Food Processing and Preservation
02.	Civil Construction	Civil Construction
03.		Plumbing and Pipe Fitting
04.	Electrical	General Electrical Works
05.	Electronics	General Electronic Works
06.	Garment	Dress Making
07.	ICT	Computer and Information Technology
08.	Mechanical	General Mechanics
09.		Welding and Fabrication
10.	Mechanical Power	Refrigeration and Air Conditioning

wkÿK e`e`vcbv:

K. KvwiMwi wkÿv Awa`ßi KZ...©K GmGmwm #fv#Kkbvj #cÖvMÖv#gi wkÿK wb#qv#Mi #ÿ#Î Abym,,Z #hvM`Zvi wfwË#Z #mwmc-Gi AvlZvq cÖwZwU we`vj q KZ©,,K evQvBK,,Z 02 (`yB)wU #U#Wi cÖwZwUi Rb` 01 (GK) Rb K#i wkÿK wb#qvM #`qv n#e| Gj#ÿ GbwUAviwm eive#i wkÿK wb#qv#Mi Pvwn`v #ck Ki#Z n#e|

- L.  $\text{t}\ddot{\text{c}}\ddot{\text{v}}\text{M}\ddot{\text{v}}\text{g} \text{ t}\text{g}\text{q}\text{v}\text{t}^{\text{'}} \text{ w}\text{W}\text{t}\text{m}\text{x}^{\wedge}\text{i} \text{ 2019 ch}\text{O}\text{š}\text{í} \text{ t}\text{m}\text{w}\text{m}\text{c} \text{ n}\text{t}\text{Z} \text{ w}\text{k}\ddot{\text{y}}\text{K}\text{M}\text{t}\text{Y}\text{i} \text{ t}\text{e}\text{Z}\text{b}\text{-f}\text{v}\text{Z}\text{v}$   
 $\text{c}\ddot{\text{O}}\text{'v}\text{b} \text{ Kiv} \text{ n}\text{t}\text{e}| \text{ cie}\text{Z}\text{O}\text{x}\text{t}\text{Z} \text{ w}\text{k}\ddot{\text{y}}\text{K}\text{M}\text{Y}\text{t}\text{K} \text{ G}\text{g}\text{w}\text{c}\text{f}\text{z}\text{w}^3\text{i} \text{ g}\text{v}\text{a}^{\text{'}}\text{t}\text{g} \text{ G} \text{ K}\text{g}\text{O}\text{m}^{\sim}\text{w}\text{P}\text{i}$   
 $\text{a}\text{v}\text{i}\text{v}\text{e}\text{v}\text{w}\text{n}\text{K}\text{Z}\text{v} \text{ i}\ddot{\text{y}}\text{v}\text{i} \text{ c}\text{w}\text{i}\text{K}\text{i}\text{b}\text{v} \text{ Kiv} \text{ i}\text{t}\text{q}\text{t}\text{Q}|$

$\text{t}\text{m}\text{w}\text{m}\text{c}\text{-G}\text{i} \text{ A}\text{v}\text{i}\text{Z}\text{v}\text{q} \text{ M}_{,,}\text{n}\text{x}\text{Z} \text{ G} \text{ K}\text{g}\text{O}\text{m}^{\sim}\text{w}\text{P}\text{i} \text{ A}\text{v}\text{i}\text{Z}\text{v}\text{q} \text{ 640wU} \text{ w}\text{k}\ddot{\text{y}}\text{v} \text{ c}\ddot{\text{O}}\text{w}\text{Z}\ddot{\text{o}}\text{v}\text{t}\text{b}\text{i} \text{ 9g-10g} \text{ t}\text{k}\ddot{\text{O}}\text{w}\text{Y}\text{i} \text{ t}\text{g}\text{v}\text{U}$   
 $(640*40*2)= 51,200 \text{ Rb} \text{ w}\text{k}\ddot{\text{y}}\text{v\_}\text{O}\text{x} \text{ t}\text{f}\text{v}\text{t}\text{K}\text{k}\text{b}\text{v}\text{j} \text{ t}\text{K}\text{v}\text{m}\text{O} \text{ M}\ddot{\text{O}}\text{n}\text{t}\text{Y}\text{i} \text{ m}\text{y}\text{t}\text{h}\text{v}\text{M} \text{ c}\text{v}\text{t}\text{e}| \text{ w}\text{k}\ddot{\text{y}}\text{v} \text{ g}\text{š}\text{č}\text{Y}\text{v}\text{j}\text{q}$   
 $\text{K}\text{Z}\text{O}_{,,}\text{K} \text{ M}_{,,}\text{n}\text{x}\text{Z} \text{ t}\text{m}\text{t}\text{K}\ddot{\text{U}}\text{v}\text{w}\text{i} \text{ G}\text{W}\text{z}\text{t}\text{K}\text{k}\text{b} \text{ t}\text{W}\text{t}\text{f}\text{j}\text{c}\text{t}\text{g}\text{U} \text{ t}\text{c}\ddot{\text{O}}\text{v}\text{M}\ddot{\text{O}}\text{v}\text{t}\text{g}\text{i} \text{ (2018-2023)} \text{ A}\text{v}\text{i}\text{Z}\text{v}\text{q} \text{ e}\text{w}\text{a}\text{O}\text{Z} \text{ K}\text{t}\text{je}\text{t}\text{i}$   
 $\text{G} \text{ K}\text{g}\text{O}\text{m}^{\sim}\text{w}\text{P} \text{ e}\text{v}^{\sim}\text{f}\text{e}\text{v}\text{q}\text{t}\text{b}\text{i} \text{ c}\text{w}\text{i}\text{K}\text{i}\text{b}\text{v} \text{ রয়েছে।}$

