

Social Monitoring Report

Project No. 42378-016
Semi Annual Report
July- December 2017

3087-BAN: Power System Expansion and Efficiency
Improvement Investment Program - Tranche 2

Part C1: Construction of Five 132/33/11kV Sub-stations
in DESCO Area

Prepared by Dhaka Electric Supply Company Limited (DESCO) for People's Republic of Bangladesh.

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DHAKA ELECTRIC SUPPLY COMPANY LIMITED (DESCO)
MINISTRY OF POWER, ENERGY & MINERAL RESOURCES
GOVERNMENT OF THE PEOPLE'S REPUBLIC OF BANGLADESH

Social Safeguard Monitoring Report
on
Construction of five 132/33/11kV Sub-stations
in DESCO Area



Dhaka
January 2018

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Abbreviations and Acronyms

ADB	Asian Development Bank
CEGIS	Center for Environmental and Geographic Information Services
DESCO	Dhaka Electric Supply Company Limited
DoE	Department of Environment
DPDC	Dhaka Power Distribution Company
EIA	Environmental Impact Assessment
EHS	Environment, Health and Safety
EMP	Environmental Management Plan
EMR	Environmental Monitoring Report
EPC	Engineering, Procurement and Construction
HR	Human Resources
HSE	Health, Safety and Environment
GoB	Government of Bangladesh
kV	kilo Volt
PAM	Project Administration Manual
PPE	Personal Protection Equipment
RAJUK	Rajdhani Unnyan Kartipakkho
RP	Resettlement Plan
ToR	Terms of Reference

Unit of measurement

1 bigha	–	33 decimal
1 Katha	–	1.65 decimal

1 . Introduction

1.1 Background

1. Electricity is the most useable form of energy that plays a vital role in all development activities including the life style of the people. Bangladesh is a small but densely populated country with Dhaka as its capital. With rapid industrialization and urbanization the electricity demand of Dhaka and its adjacent area has increased tremendously. To maintain this industrial growth with better socio-economic development, a sustainable power supply is a must. Realizing the fact the Dhaka Electric supply company (DESCO) has chalked out a number of initiatives to modernize the existing old distribution system of Meaghan Dhaka city. Construction program of 132/33/11kV sub-station at five places of Dhaka is one of such initiatives. DESCO intends to construct 132/33/11kV grid sub-stations under its command area at Uttara 3rd Phase, Aftabnagar, Banani, Purbachal and Tongi in Dhaka, Narayanganj and Gazipur Districts. Around 489.56 decimals land will be used for the proposed five Substations. Since the proposed project falls under Red category, DESCO has already received the EIA clearance and has engaged HYOSUNG as EPC contractor for the construction and has engaged CEGIS for environmental compliance monitoring of the project.

1.2 Objectives of the study

2. The objective of the safeguard monitoring is to monitor the occupational health and safety, social issues as Environmental Management Plan (EMP) in relation to Asian Development Bank's (ADB) safeguard policy and Bangladesh and ADB loan covenants.

1.3 Project Location

3. The location of the project is shown in Figure 1.1. The proposed 132/33/11kV Sub-Stations and connected transmission lines will be constructed from different location in DESCO area such as Dhaka North, Tongi under Gazipur and Purbachal under Narayanganj districts. The locations of Sub-stations are given in the Table 1.1 below:

Table 1.1: Location of the Sub-stations

S.I	Proposed grid name	Location description and address	Land area (decimal)	Remarks
1	Aftabnagar 132/33/11 kV sub-station	Plot no -32/M, Road no -17, Avenue-13, Sectoe-3, Jahurul Islam City, Aftabnagar, Dhaka GPS: N- 23°46'11.65" E- 90°27'24.02."	60	*Jahurul Islam City (Aftabnagar) project authority handover the land to DESCO authority. *Construction work is going on.
2	Tongi 132/33/11 kV sub-station (Mill gate)	Tongi-3, Sub-station area, Mill gate, Tongi, Gazipur GPS: N- 23°53'47.22" E- 90°23'48.23."	82 (about)	*DESCO area (Tongi-3, 33/11kV Old sub-station) *Old sub-station Site cleaning work is going on, New Sub

S.I	Proposed grid name	Location description and address	Land area (decimal)	Remarks
				station's Construction work has not started yet but started this month.
3	Purbachal 132/33/11kV sub-station	Purbachal New city project area, Sector-2, Road no 210 and 305(close to corner plot), Rupganj, Narayanganj GPS: N- 23°49'57.01" E- 90°30'23.49."	103.3	*RAJUK handover the land to DESCO Authority. *Construction work is going on.
4	Uttara third phase 132/33/11 kV sub-station	Plot no 103, Avenue-3 and West avenue, Sector-18, Uttara third phase, Uttara, Dhaka GPS: N- 23°51'31.53" E- 90°20'59.23."	198	*RAJUK handover the land to DESCO Authority. *Construction work is going no.
5	Banani 132/33/11kV sub-station	Plot no 31, Road no 5, Block – I, Banani, Dhaka GPS: N- 23°47'18.8" E- 90°24'17.97."	46.26	*DPDC handover the land to DESCO authority and DESCO handover to HYOSUNG Corporation. *The Site cleaning work has done,Construction work has not started yet but soon started.

Source: PD office, DESCO

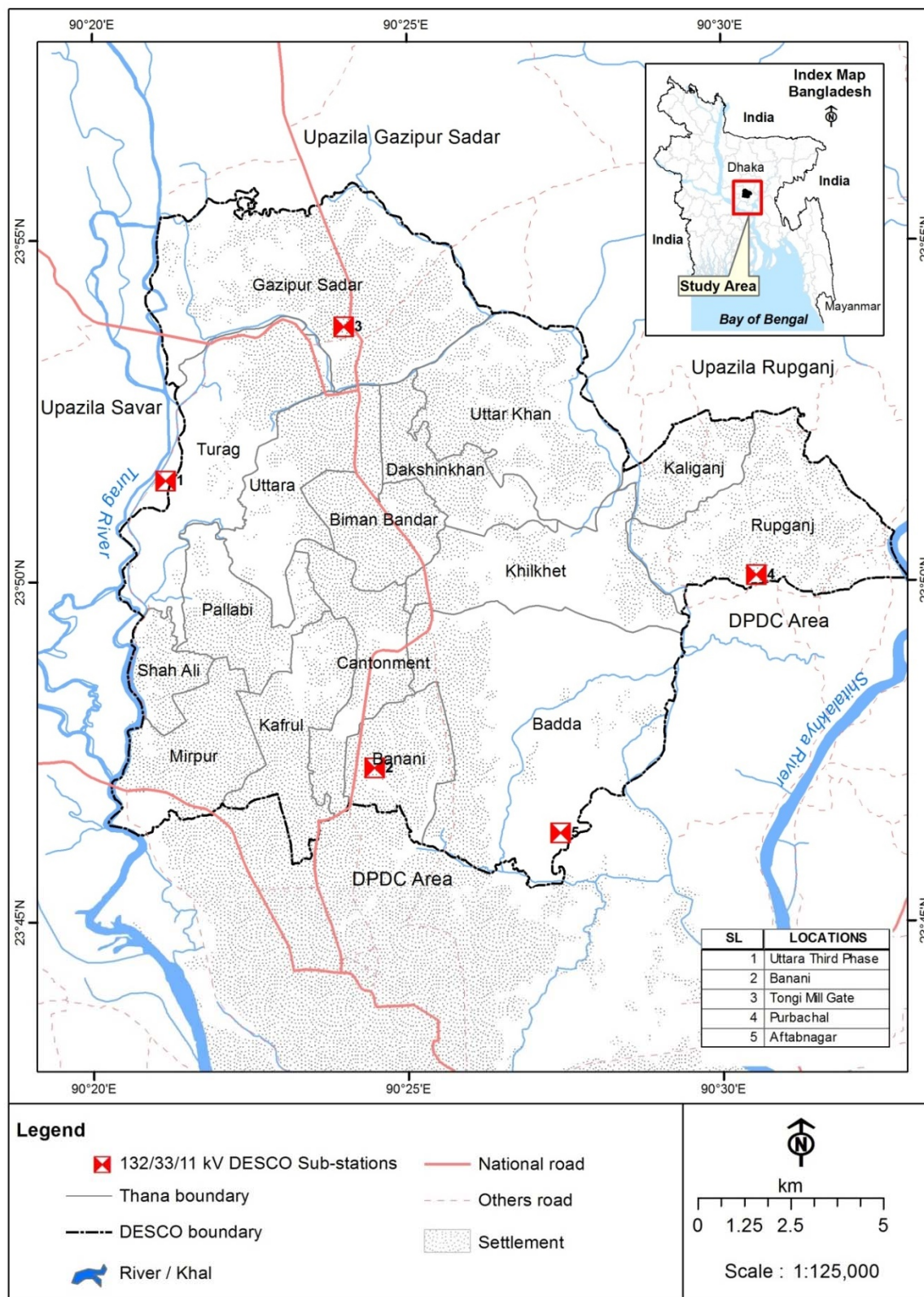


Figure 1.1: Map of DESCO Distribution Area of Proposed 132/33/11kV SSs

1.4 Scope of the Study

4. The Environmental Impact Assessment (EIA) report provides information on the baseline environmental condition (physical, soil and agricultural, biological and social environment) of the project area. Following DoE guidelines, the EIA report identified potential impacts of the proposed project activity on the environmental components of the project area. It includes the Terms of Reference (ToR) (Appendix 4) for the EIA and the EMP against adverse impacts. The EMP also includes an Environmental Monitoring Plan, cost and institutional arrangements for future monitoring.

5. In line with the aforementioned objectives the scope of the services regarding the social safeguard issues would cover the following:

- Review of social management and monitoring plan suggested in the EIA report in line with the action plan proposed by ADB.
- Monthly monitoring of construction activities to overview their compliance with national environmental and social regulations, and ADB's performance standards on social issues regarding sustainability.
- Monthly monitoring for the implementation of environmental monitoring activities as specified in the environmental monitoring plan.
- Monthly monitoring of socio-economic issues like community safeguard due to pollution, hazards and employment opportunity.
- Suggestion of pollution prevention and mitigation measures to ensure social safeguard, to ensure compliance with national standard.
- Keeping close liaison with the project implementation office (Project Director), and Engineering, Procurement and Construction (EPC) contractor.
- Providing a monitoring report at the end of every six (6) months in line with the reporting requirement of ADB satisfying equator principles.

1.5 Monitoring Policy Standard

6. As per the Bangladesh Govt. policy standard, social safeguard compliance monitoring is one of the important part following the ADB's social safeguard policy, ADB and Bangladesh loan covenants and ADB loan covenants with the DESCO

7. According to the Loan Covenant Article (II), section 2.01, DESCO should carry out the project, with the due diligence and efficiency and in conformity with sound administrative, financial, engineering, environmental and power sector practices. For the execution of project following criteria would be followed.

1.5.1 Implementation Arrangement

8. DESCO should ensure the project implementation in accordance with the detailed arrangements set forth in the Project Administration Manual (PAM). Besides, it is the responsibility of DESCO to ensure their project management staff who have the qualification to undertake necessary tasks of procurement, construction, supervision, inspection, and testing of equipment, payments to contractors, monitoring, environmental and social safeguards due diligence and reporting of progress relevant to the components under their

responsibility. Safeguards-related provisions in bidding documents and works and work contracts

9. The DESCO should ensure the following compliance in relation to contract or bidding during the project implementation.

- a) Comply with the measures and requirements relevant to the contractor set forth in the IEE, EMP and Resettlement Plan (RP) (if required) any small ethnic community peoples plan and any corrective or preventive actions set out in a safeguard 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 plan.
- d) Adequately record the condition of roads, agricultural land, and other infrastructure prior to starting to transport materials and construction
- e) Fully reinstate pathways other local infrastructure and agricultural land to at least their pre-project condition upon the completion of construction.

1.6 Safeguard Monitoring and Reporting

10. The DESCO should comply the following section

11. Submit semiannual safeguards monitoring reports to ADB and disclose relevant information from such reports to the affected person

- a) Any anticipated environmental and social as well as impacts arise during the construction, implementation, or operation of the project that were not considered in the EIA, the EMP or the RP promptly inform ADB of the occurrence of such risks and impacts with detailed description of the events and proposed corrective action plans.
- b) The Monitoring process should be verified by the external experts
- c) Reporting would be completed based on the any potential beach of compliance with the measures and requirements set forth in the EMP.

1.7 Labour standards

Following labor standards should be followed as per and the loan covenants

- a) Comply with all applicable labor law and related international treaty obligations of the borrower and do not employ child labor as defined under the Bangladesh law
- b) Provide Safe working condition for male and female workers
- c) Carry out HIV/Aids and human trafficking prevention and awareness campaigns in the campsites and corridor of influence
- d) Engage women workers as wage laborers depending on their skill and
- e) Provide equal wage for equal work between men and women.

1.8 Project Reviews

- a. The project progress would be reviewed by the ADB with necessary midcourse corrections
- b. The Assistance should be provided by the executing agency (i.e. DESCO).

12. The environmental and social safeguard monitoring will assess the compliance that has been suggested under the Bangladesh Govt. laws, policies and national standards and ADB loan covenants. As there is no involuntary resettlement and ethnic minority issues, therefore, this monitoring assess the environmental and social safeguard issues in accordance with the Govt. laws and ADB loan covenants like the above mentioned ways.

13. The results of the monitoring will be compared with the established benchmarks/baseline and compliance status and help to identify the areas where adverse environmental and social adverse impacts are still occurring. It will help to formulate the corrective actions accordingly and in a timely manner.

2. Approach and Methodology

2.1 Introduction

14. This chapter includes the methodology to monitor the social components in relation to study objectives. This study considered social safeguard issues following different tools and techniques are discussed in this section

2.2 Overall Approach

15. For social safeguard monitoring, a number of activities have been carried out during the preparation phase of the Project (i.e. information gathering, checklist preparation, service scoping and bounding, assigning field investigators etc.). Data has been collected through monthly visit following different tools (i.e. observation, consultation and field survey) to monitor the safeguard compliance status at the construction phase of this project.

2.3 Study Mobilization

16. A comprehensive checklist on social compliance was prepared for this monitoring (up to December 2017). First of all, a preliminary checklist was prepared considering there EMP of the EIA report of the Augmentation and Rehabilitation of Distribution System under DESCO command area.

17. Besides, a number of guidelines for construction activities was recommended to be followed, which was prioritized during the preparation of the checklist, as compliance of those suggested measures would ensure the overall environmental protection and social security. Equator Principles were also followed for the preparation of this checklist.

2.4 Study Team Mobilization

18. CEGIS has mobilized a core group of highly skilled professionals as proposed in the technical proposal. Initiatives have been taken for accomplishing the study within the expected time-frame through formulating an action plan, setting up of the office in Dhaka, forming the multidisciplinary field team and providing all necessary logistics and technical supports to perform required investigations.

19. The Consultant CEGIS will work under the overall supervision of the Project Director, DESCO and maintain close liaison with DESCO offices (both field and head offices). The Team Leader is responsible for direct supervision of the study. He will guide the multidisciplinary team to achieve the goal of the study. The progress of the study will be reviewed in weekly progress review meeting. Each report and deliverable shall be reviewed carefully by the team members and Team Leader.

20. As per guidance of the ToR directives, a multidisciplinary expert team has been formed with suitable allocation of time for each professional. Table 2.1 presents the composition of the study team with their designation.

Table 2.1: The Composition of the Main Team

Sl.No.	Name of Professional	Position Assigned
1.	Engr.JalalAhmed Chowdhury	Environmental Expert/Transmission Line (TL)/ Power Plant Expert
2.	Dr. Dilruba Ahmed	Socio-economic an livelihood expert
3.	Mr. Subrata Kumar Mondal	Economist
4.	Md. Maqb –E- Elahi	Geology Specialist
5.	Md. Mushfiq Ahmed	Ecology Specialist
6.	Anushila Mazumder	Expert of Environmental Policy and Management

21. The following multi-disciplinary team was mobilized for collecting data from the field.

Table 2.2: The Composition of the Multi-disciplinary Field Team

Sl.No.	Name of Professional	Position Assigned
1.	Md.Shofiqul Islam	Sociologist, Socio-economic Division
2.	Md.Nazmul Kabir	Water Resource Engineer
3.	Uzzal Kumar Saha	Ecologist
4.	Bilkish Sultana	Electrical Engineer

2.5 Methodology

22. The compliance monitoring of the project has been carried out following important Environmental and Social Component during field investigation. Methodology for the investigation of each component is given below.

2.5.1 Socio-economic environment

a) Compensation

23. The project proponent is obliged to provide compensation to the land owners if it acquires private lands. The affected stakeholders have been identified through consultation and monitored based on the prepared checklist in addition, site specific data has been collected through community meeting, informal group discussion and key informant interview.

b) Livelihood and Living Condition

24. Livelihood and living condition of those stakeholders have been monitored through in depth observation, group discussion and key informant interview. The present livelihood and living condition of surrounded people of project sites have been identified and monitored environmental compliance monitoring based on the prepared checklist.

c) Community Health, Safety and Security

25. Occupational health safety and security has been monitored through field visit and public consultation (i.e. Informal Discussion, stakeholder consultation meeting etc.) during construction phase of the project. At this stage construction activity is found in three project sites, therefore, community health, safety and security condition have been monitored regarding the set compliance for this construction stage.

d) Labor and Working Condition

26. During construction, labor and working condition has been monitored based on observation and consultation with primary and secondary stakeholders. The present labor and working condition of surrounded project areas have been identified through informal meeting, observation and key informant interview.

3. Monitoring Results

3.1 Introduction

27. This chapter provides the monitoring results based on monthly field visits at three project sites now under construction, belonging to the project “construction of five 132/33/11kV sub-stations” in DESCO Area. The monitoring result considered the social safeguard issues related to the above construction activity. Based on the prepared checklist, a synthesis result is provided considering field findings, based on the monthly field visit.

28. The monitoring team found that the construction activities started fully at the three and partially two project sites and following activities are completed and ongoing presented in the following table 3.1:

Table 3.1: Project Implementation Status

Substations Name	Activity details	Status
Aftabnagar Sub-station	✓ Installation the Gas Insulated Switchgear (GIS)	✓ Ongoing GIS setup
	✓ Civil work for installation of electrical components like transformer	✓ The Earth Work is Ongoing
	✓ Civil work for installation of electrical components like transformer.	✓ The construction work is firstly ongoing
	✓ Other civil works including Building construction, boundary construction activities etc.	✓ Ongoing other civil works
	✓ Setup transformer inside the substation	✓ 132/33kV transformer installation work is complete
Purbachal Sub-station	✓ Installation the Gas Insulated Switchgear (GIS)	Ongoing GIS setup
	✓ Civil work for installation of electrical components like transformer	✓ The Earth Work is Ongoing
	✓ Civil work for installation of electrical components like transformer	✓ The construction work is firstly ongoing
	✓ Other civil works including Building construction, boundary construction activities etc.	✓ Ongoing other civil works
	✓ Setup transformer inside the substation.	✓ 132/33kV transformer installation work is complete

Substations Name	Activity details	Status
Uttara 3 rd phase Sub-station	✓ Installation the Gas Insulated Switchgear (GIS)	Ongoing GIS setup
	✓ Civil work for installation of electrical components like transformer	✓ The Earth Work is Ongoing
	✓ Civil work for installation of electrical components like transformer	✓ The construction work is firstly ongoing
	✓ Other civil works including Building construction, boundary construction activities etc.	✓ Ongoing other civil works
	✓ Setup transformer inside the substation	✓ 132/33kV transformer installation work is complete
Banani Sub-station	✓ The Site cleaning work has done, Construction work has not started yet but will start soon	✓ The Site cleaning work has done. ✓ Construction will be start soon
	✓ Construction of boundary wall around project site.	✓ Completed
	✓ Piling	✓ Piling is ongoing
	✓ Electrical Works (i.e. Earth work)	✓ The Earth Work is Ongoing
Tongi Sub-station	✓ The Site cleaning work has done, Construction work has not started yet but will start soon	✓ The Site cleaning work has done ✓ Construction will be start soon.
	✓ Construction of boundary wall around project site	✓ Completed
	✓ Piling	✓ Piling is ongoing
	✓ Electrical Works (i.e. Earth work)	✓ The Earth Work is Ongoing

Source: Monthly field visit from July 2017 to December 2017

3.2 Compliance status with ADB loan covenants

29. The compliance status with the ADB loan covenants have been monitored based on indicators provided in the ADB loan covenants. The findings for compliance status with the ADB loan covenants presented in the following summary table 3.2. The activity based photos regarding the compliance status provided in the Appendix 3

30.

Table 3.2: Summary of Compliance status with ADB loan covenants

Indicators	Issues	Activities	Compliance Status		
			Complied	Not Complied	Remarks
Human and financial Resources to implement safeguards requirements	✓ DESCO should make available, or cause the project executing agency to make available, necessary budgetary and human resources to fully implement the EMP	✓ DESCO made contract with HYOSUNG which have available manpower, budget and other resources for the implementation of EMP.	Fully Complied		Human and financial resources management follows the ADB and safeguard requirements.
Safeguards-related provisions in bidding documents and works and work contracts	✓ Comply with the measures and requirements relevant to the contractor set forth in the EIA and EMP. ✓ Make available budget for all such environmental and social measures	✓ The Environmental consultant and DESCO monitor through monthly visit where the construction activities started.	Fully Complied		All safeguard related provisions incorporated in bidding documents, works and work contracts.
Safeguard Monitoring and Reporting	✓ Any anticipate results that were not considered in the EIA and the EMP promptly inform ADB and proposed for	✓ Reviewed the EMP provided in the EIA ✓ A Review team formed and reviewed after the submission of monitoring report. ✓ All compliance	Fully Complied		Safeguard Monitoring and Reporting completed (1 st and 2 nd EMR) And rests of the reporting are ongoing with the close interaction between DESCO and Environmental consultant.

Indicators	Issues	Activities	Compliance Status		
			Complied	Not Complied	Remarks
	<p>mitigation in corrective action plans.</p> <p>✓ The Monitoring process should be verified by the external experts</p> <p>✓ Reporting would be completed based on the any potential beach of compliance with the measures and requirements set forth in the EMP.</p>	<p>status prepared based on selected indicators provided in the checklist.</p>			
Labor standards	<p>✓ Comply with all applicable labor law, treaty obligations of the borrower and child labor law of Bangladesh</p> <p>✓ Provide Safe working condition for male and female workers</p> <p>✓ Carry out HIV/Aids and human trafficking prevention and awareness</p>	<p>✓ Compliance status monitored through site specific visit and consultation with the respective stakeholders by DESCO and Environmental Consultant.</p>	Partially Complied (70%)		Suggestions for achieving full compliance suggested in the CAP.

Indicators	Issues	Activities	Compliance Status		
			Complied	Not Complied	Remarks
	campaigns in the campsites and corridor of influence ✓ Engage women workers as wage laborers depending on their skill ✓ Provide equal wage for equal work between men and women.				
<u>Project Reviews</u>	✓ The project progress would be reviewed by the ADB with necessary midcourse correction	✓ All Submitted Report reviewed by ADB	Fully Complied		All comments (1 st and 2 nd Monitoring report) from the ADB incorporated and submitted to DESCO.

Source: EMR findings from July 2017 to December 2017.

3.3 Social Safeguard Compliance Status

3.3.1 Compensation

31. The project proponent has paid compensation for the total acquired land through RAJUK and DESCO. During the site visit the study team didnot encounter any compensation related dispute in the study area. More information will be collected when intensive monitoring is done.

3.3.2 Livelihoods and employment

32. The monitoring team found that a substantial number of workers (about 5%) are from the locality. Thus, the project has generated employment opportunity for local people through construction activities. The working environment was not good inside the sub-station. The Monitoring team found that almost all labors were not using safety equipment provided by the EPC contractor. Also, safety equipment was not sufficient for all labors.

Besides, the HYOSUNG facilitated three types of training for the labors such as Induction, Toolbox, and Job specific (CEGIS, December 2017).

3.3.3 Occupational Health, Safety and Security

33. HYOSUNG was not giving their services to ensure the health, safety and security of the laborers. Even paramedic doctors were not available for the laborers at the substation in case of any injury and accident. But in any case of emergency, there was no ambulance service to carry the injured person to adjacent hospital (2 to 6km distance from sub-station) for better treatment. Until now, only 4 minor accidents were recorded (CEGIS, December 2017).

3.3.4 Labor and Working Condition

34. The study team found that most of the laborers were not trained and they were not using safety equipment before starting of the work. HYOSUNG provide some safety equipment for laborers (like helmet, shoes, gown and other safety equipment). However, some laborers complained that they did not get sufficient gloves, goggles and earplug. Therefore, they encountered problems to work without protective equipment. The EPC contractor, in contrast, argued that most of the laborers took safety equipment (given to them) to their labors sheds that results in scarcity and eventually, some workers are to work without equipment (CEGIS, December 2017).

35. There were about Thirteen (13) toilets (Aftabnagar 4, Uttara third phase 6 and Purbachal 3) and 5 kitchens facilities in the three sub-stations (Aftabnagar 1, Uttara third phase 3 and Purbachal 1). There was no café house in the SubStations site where officials, labors and visitors can have their snacks (CEGIS, December 2017). Photo added in Appendix 3.

Table 3.9: Matrix of Monitoring Results

Environmental and social components	Potential impacts	Monitoring Measures	Status	Corrective Action Plan (CAP)
Compensation	Land owners/cultivators may be deprived of proper compensation due to lack of monitoring or improper land ownership.	Disburse Cash for compensation of land Provision of monitoring the compensation process	Compensation has been paid to the landowners losers by the proponent.	N/A
Livelihood and employment	Livelihood may be disturbed due to the development activities	Causing no threat to the livelihood of local people Prioritizing local labors in employment Providing separate water facilities for workers	Contractors are hiring local labor. No significant adverse impacts on livelihoods was observed	N/A

Environmental and social components	Potential impacts	Monitoring Measures	Status	Corrective Action Plan (CAP)
Occupational health, safety and security	Health, safety and security would be affected during pre, construction, operation and decommissioning phases of the project.	<p>Construction of fence around project area,</p> <p>consider community health and safety in designing infrastructure and equipment,</p> <p>practicing safe management for hazardous materials which may pose threat to the community,</p> <p>Site specific HSE manager would be required for regular monitoring</p> <p>Availability of contingency plan for natural hazards, Training and instruction to the security personnel about their behavior and communication with the local people.</p> <p>Safety trainings for workers (i.e. in fire control, working at height, working in heat, first aid etc.)</p> <p>Increased awareness amongst the workers and employees and conduct health awareness; drivers and medical camps in the neighboring</p>	The EPC contractors were not following standard occupational health, safety and security practices in any of the sites.	<ul style="list-style-type: none"> • The EPC contractors need to facilitate the following arrangements- • Personal Protective Equipment • Need to arrange Tool Box training to the workers twice in a week • Displaying emergency contact numbers should be provided in Bengali language (hospitals, fire service, police station etc.) Display of construction site safety signs in Bengali inside and around the project boundary • Permanently engage HSE manager in each sites. • No smoking instruction should be displayed in Bengali • The kitchen should have to be neat and clean • Need basket or dustbin in all sites for disposal and non disposal waste. • Ensure to clean the Dustbin after out of order. • The water supply (for drinking) should have to be readily accessible to the workers

Environmental and social components	Potential impacts	Monitoring Measures	Status	Corrective Action Plan (CAP)
		<p>areas;</p> <p>Causing no disturbance to locally or culturally important sites</p>		<ul style="list-style-type: none"> The bath reservoir should have to clean by weekly. Accidental or injury log book should be put into display; Site specific EHS plan must be implemented The insurance policy should cover the accident or injuries of the labours All electric distribution lines at the project site required to be fixed.
Labor and working condition	Community dwellers may feel that they are not giving substantial share in project related job opportunity	<p>Adequate fire precautions in place (for example, fire extinguishers, escape routes). Documentation and reporting of occupational accidents, diseases, and incidents.</p> <p>Compliance of project's labor policy with the national labor law. No Child Labor and forced labor. Labors and security sheds related.</p> <p>Conducting regular third party audits during construction phase of the project to assess the contractor's compliance levels in meeting the statutory and ADB</p>	<p>The EPC contractor is not complying HSE issues. (like –fire safety, labor sheds, sanitations, drinking water facilities). Those facilities ensuring Partially.</p>	<ul style="list-style-type: none"> The EPC contractors need to facilitate the following arrangements- Develop and refurbish the labor sheds (enough windows, fans, lights etc.) The Sanitation facility need to be improved (three sites, especially at the Uttara 3rd phase Sub-station) Fire extinguisher needed at the worker sheds 5 minute awareness speech should be delivered to the workers at every morning

Environmental and social components	Potential impacts	Monitoring Measures	Status	Corrective Action Plan (CAP)
		requirements.		

Source: CEGIS, July to December, 2017

4. Stakeholder Consultations

36. During field visit, stakeholder consultations were held in the study area. Several issues were discussed in the meeting regarding social safeguard issues. In consultation meetings, the participants expressed their opinion spontaneously, and the monitoring team recorded all the information delivered in the meeting. Participants list presented in Appendix 2 and Photos added in Appendix3.

Table 4.1: Location of Consultation meeting during Field Visit

District	Upazila/Thana	Consultation Place	Date	Number of Participants
Dhaka	Uttara	Uttara third phase Sub-Station office room	20.07.2017	8
			30.08.2017	7
			28.09.2017	10
			30.10.2017	10
			29.11.2017	8
			27.12.2017	10
Dhaka	Aftabnagar	Aftabnagar Sub-Station office room	23.07.2017	8
			29.09.2017	10
			24.09.2017	6
			31.10.2017	11
			29.11.2017	10
			28.12.2017	12
Narayanganj	Rupganj	Purbachal Sub-Station office room	23.07.2017	12
			30.08.2017	9
			24.09.2017	10
			30.10.2017	8
			29.11.2017	6
			28.12.2017	10
Dhaka	Banani	Banani DPDC office	23.07.2017	2
			29.08.2017	1
			24.09.2017	1
			26.10.2017	1
			29.11.2017	2
			27.12.2017	1
Gazipur	Tongi	Tongi Sub-Station control room	23.07.2017	3
			29.08.2017	2
			28.09.2017	3
			30.10.2017	3
			29.11.2017	3
			27.12.2017	4
Total				191

Table 4.2: Consultation Outputs

Stakeholders	Outputs
Safety manager of HYOSUNG	HYOSUNG officers claimed that before starting the construction work, they arranged some training (i.e. tool box and job specific related) for the labors regarding health, safety and security issues.
Local (affected) stakeholders	DESCO paid all compensation to RAJUK and RAJUK paid to the all project affected people. Project affected people confirmed that they received compensation properly.
Engagement of local labors	The local people (participants of the meeting) complained that they get very little scope of employment. Local labours should be engaged as their proficiency.
Labours	The existing labor shed and sanitation facilities are not adequate, so, it is required to take initiatives for more labor sheds and sanitation facilities.

Source: CEGIS, July-December 2017

5. Conclusions and Recommendations

37. This social safeguard monitoring was conducted at the three sites and explored the compliance status based on ADB safeguard policy, EMP provided in the EIA, Government of Bangladesh (GoB) and ADB loan covenant. The proposed locations have been identified and existing physical, biological and social conditions observed to get an insight about the base situation. In this stage of social safeguard monitoring, the social management system and action plan, occupational health and safety, and workers' wellbeing, have been observed through site specific field visit (monthly) and following the indicators stated in the checklist. In addition, compliance status has been provided during the construction phase of the project. The environmental and social monitoring teams suggested recommendations and guidelines which need to be strictly and seriously followed by the workers and the EPC contractors.

38. To make the process more smooth and efficient, the following recommendations are proposed by the study team to be followed with immediate effect:

- The HR policy was found developed as the management of site specific EHS programme have been established; Occupational Health and Safety Policies.
- Emergency preparedness and response plan; fire prevention, protection and control plan;
- Though construction materials like sand and soil were not covered with polythene at any site. This might cause dust pollution in dry condition. Hence, it is required to cover the construction materials properly.
- It is obligatory to provide hearing protection equipment to the employees who are exposed to loud noise.
- There was no dustbin or specific waste disposal site in any of the project location. Hence, a particular place for waste disposal should be earmarked for maintaining ambient environmental neatness.
- The level of safety for workers must be enhanced with comprehensive enforcement on PPE usage, and regular (at least four times a day) health and safety supervision should be carried out.
- There was no dustbin or specific waste disposal site in any of the project location. Hence, it is mandatory to define a particular place for waste disposal for maintaining an effective waste management system.
- Workers working condition i.e. accommodation, drinking water, sanitation and medical facilities has remained same as it was in earlier phase of monitoring.
- The sanitation system for labor must be improved up to a healthy and desirable level.
- The labor sheds must be improved up to a comfortable, useable and desirable level for construction workers and security force.

- Recruitment of more local labor in the newly constructed sites would certainly improve the economic condition of local people; Rationalized work permit system and enhanced medical support at site should be maintained.
- More awareness is to be created among the workers and community dwellers regarding the health and safety risks associated with the construction phase of the project. Besides, one paramedic doctors, and an ambulance need to be made available for the labors in case of any injury and accident.
- Weekly toolbox meetings on health and safety, as well as the other governing environmental and social issues should be initiated.
- Increased awareness on child labor; confining the involvements of labors below 18 years of age to light works (works not connected with heavy loads).

Appendix 1: Monitoring Checklist

Category	Description of potential impact	Measures/Indicators	Due Diligence								
			Uttara			Purbachal			Aftabnagar		
			Complied	Not Complied	Remarks	Complied	Not Complied	Remarks	Complied	Not Complied	Remarks
Socio-Economic Environment											
Land Acquisition	Land owners livelihood status would be affected due to land acquisition	Conduct a rapid assessment through consultation with land losers (15 acres) to assess whether they are facing any significant livelihood restoration challenges and whether they have replaced their assets	✓			✓			✓		
Cash payment and monitoring	Land owners may be deprived of proper compensation due to lack of monitoring or improper ownership.	Disburse Cash for compensation of land (CCL)	✓			✓			✓		
		Develop a plan which includes compensation, restoration, livelihood, living standards etc.	✓			✓			✓		
		Provision of monitoring the compensation process			Not applicable for the			Not applicable for the			Not applicable for the

Category	Description of potential impact	Measures/Indicators	Due Diligence								
			Uttara			Purbachal			Aftabnagar		
			Complied	Not Complied	Remarks	Complied	Not Complied	Remarks	Complied	Not Complied	Remarks
					project site			project site			project site
Livelihood and living condition	Livelihood and living system may be disturbed due to development activities	Causing no threat to the livelihood of local people			Not applicable for the project site			Not applicable for the project site			Not applicable for the project site
		Prioritize local labors in employment	Partially 10%			Partially 10%			Partially 10%		
		Develop a separate road network during construction	Partially 50%			Partially 50%			Partially 50%		
		Separate water facilities for workers	Partially 60%			Partially 60%			Partially 60%		
Community Health, Safety and Security	Health, safety and security would be affected during pre, construction, operation and decommissioning phases of the project.	Construction of Fence around project area	✓			✓			✓		
		Evaluation for risks and impacts on health and safety during preconstruction, construction, operation and decommissioning of the project		✓			✓			✓	
		Involve Community in Risk Assessment Process			Not applicable for the project site			Not applicable for the project site			Not applicable for the project site
		Consider Community	Partially			Partially			Partially		

Category	Description of potential impact	Measures/Indicators	Due Diligence								
			Uttara			Purbachal			Aftabnagar		
			Complied	Not Complied	Remarks	Complied	Not Complied	Remarks	Complied	Not Complied	Remarks
		Health and Safety in Designing infrastructure and equipment	50%			50%			50%		
		Practicing safe management for hazardous materials which may pose threat to the community	Partially 40%			Partially 40%			Partially 40%		
		Availability of plan for natural hazards	Partially 40%			Partially 40%			Partially 40%		
		Develop and Implement an Emergency Response Plan	Partially 60%			Partially 60%			Partially 60%		
		Training and instruction to the security personnel about their behavior and communication with the local people	Partially 30%			Partially 30%			Partially 30%		
		Practice of Tool box meeting and reporting	Partially 50%			Partially 50%			Partially 50%		
		Provision of health service facilities to community	Partially 30%			Partially 30%			Partially 30%		
		Safety trainings for workers (i.e. fire control, working at height, working in heat, first aid	Partially 50%			Partially 50%			Partially 50%		

Category	Description of potential impact	Measures/Indicators	Due Diligence								
			Uttara			Purbachal			Aftabnagar		
			Complied	Not Complied	Remarks	Complied	Not Complied	Remarks	Complied	Not Complied	Remarks
		etc.)									
		Increase awareness amongst the workers and employees and conduct health awareness drivers and medical camps in the neighboring areas (HSBC)	Partially 50%			Partially 50%			Partially 50%		
		Causing no disturbance on locally or culturally important sites	✓			✓			✓		
		Ensure no use of Polychlorinated Biphenyls (PCB) in transformers	✓			✓			✓		
		The workers' camps should be located away from residents and sensitive receptors schools, health centers etc.	✓			✓			✓		

Category	Description of potential impact	Measures/Indicators	Due Diligence								
			Uttara			Purbachal			Aftabnagar		
			Complied	Not Complied	Remarks	Complied	Not Complied	Remarks	Complied	Not Complied	Remarks
		All vehicles exit points from the construction site shall have a wash down or shakedown area where mud and earth can be removed from the vehicles before it enters the public road system. All wash down areas are to drain to a sedimentation basin.	Partially 40%			Partially 40%			Partially 40%		
Information dissemination	Disputes may arise in the nearby community if public consultation meeting is not held.	Disclosure of EIA Report and sharing project information	Partially 40%			Partially 40%			Partially 40%		
		Arranging public consultation meeting	Partially 50%			Partially 50%			Partially 50%		
		Quality of consultation and disclosure	Partially 70%			Partially 70%			Partially 70%		
Working Condition	Community dwellers may feel that they are not giving substantial share in project related job opportunity	Adequate fire precautions in place (for example, fire extinguishers, escape routes)	Partially 60%			Partially 60%			Partially 60%		
		Documentation and reporting of occupational accidents, diseases, and	Partially 50%			Partially 50%			Partially 50%		

Category	Description of potential impact	Measures/Indicators	Due Diligence								
			Uttara			Purbachal			Aftabnagar		
			Complied	Not Complied	Remarks	Complied	Not Complied	Remarks	Complied	Not Complied	Remarks
		incidents									
		Ensuring fair treatment, non-discrimination and equal opportunity	Partially 50%			Partially 50%			Partially 50%		
		Compliance of project's labor policy with the national labor law	✓			✓			✓		
		No Child Labor	Partially 5%			Partially 5%			Partially 5%		
		No incident of forced labor	✓			✓			✓		
		Conduct regular third party audits during construction phase of the project to assess the contractors compliance levels in meeting the statutory and ADB requirements	✓			✓			✓		
		Develop a site specific safety plan including standard operating procedures (SOPs) and work permits required to protect employees (both full-time employees and contractors) from injuries	Partially 60%			Partially 60%			Partially 60%		

Category	Description of potential impact	Measures/Indicators	Due Diligence								
			Uttara			Purbachal			Aftabnagar		
			Complied	Not Complied	Remarks	Complied	Not Complied	Remarks	Complied	Not Complied	Remarks
Working Condition		Provide adequate provision of drainage and access to toilets	Partially 40%			Partially 60%			Partially 50%		
		Cleanup litters and other wastes regularly	Partially 40%			Partially 40%			Partially 40%		
		Provide secure containers for disposal at designated area	✓			✓			✓		
		Properties safety on site, and illuminate well if work at night	Partially 60%			Partially 50%			Partially 40%		
		Provision of PPE for workers and maintenance of work safety procedure	Partially 60%			Partially 60%			Partially 60%		
		Regular safety checks and maintenance	Partially 40%			Partially 50%			Partially 40%		
		Emergency response plan for events such as accidents, spillage of hazardous materials etc.	Partially 50%			Partially 50%			Partially 40%		
Employment	Without the involvement of local labor, Social unrest will be held	Local Labor (technical and non-technical) should be recruited.	Partially 10%			Partially 10%			Partially 10%		

Category	Description of potential impact	Measures/Indicators	Due Diligence								
			Uttara			Purbachal			Aftabnagar		
			Complied	Not Complied	Remarks	Complied	Not Complied	Remarks	Complied	Not Complied	Remarks
	among the local people										
Site Closure	Environmental and social safety can be hampered without completion of site works and restoration properly	At the completion of work at a particular site, or when the construction program as a whole is completed, the contractor will be responsible for removing all equipment and structures, cleaning up and disposing all waste materials, and rehabilitating all construction sites and work areas so that these can be returned as much as possible to their previous use.	Partially 40%			Partially 50%			Partially 40%		
		There must be a stabilization of all project construction sites, roads, and tracks (where batters and embankment fill must be stabilized, and road drainage stabilized as well). All borrow pits and quarries are to be rehabilitated; all fuel and			All project construction and others activities are not finished			All project construction and others activities are not finished			All project construction and others activities are not finished

Category	Description of potential impact	Measures/Indicators	Due Diligence								
			Uttara			Purbachal			Aftabnagar		
			Complied	Not Complied	Remarks	Complied	Not Complied	Remarks	Complied	Not Complied	Remarks
		oil depots closed; any contaminated soil removed; and the areas restored. All spoil heaps must be reshaped and revegetated.									
		All work sites must be rehabilitated as per needs. Areas where topsoil has been removed will require a reapplication of topsoil, and revegetation as required.			All project construction and others activities are not finished			All project construction and others activities are not finished			All project construction and others activities are not finished
		Care must be taken to ensure that the sites are adequately restored. This will require adequate time to ensure that the sites are effectively reestablished.			All project construction and others activities are not finished			All project construction and others activities are not finished			All project construction and others activities are not finished

LEGENDS:

1 = Same as Baseline

2 = Not Applicable at this stage

3 = EPC contractors hired a water spraying car, but it does not spray water into the area regularly

4 = In progress


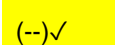

5 = About 5~6 people did not receive compensation due to lack of ownership transparency

6 = Directly paid by DC office to the incumbent

7 = Some impacts are caused which are intangible

8 = EPC contractors displayed presentation only, but no document is yet available

9 = No water car was required as it was raining during this season

Complied =  Partially complied=  Not complied= 

Appendix-2: Participants List

Sl.	Name	Occupation/designation	Contact no.
1	Engr. Md. Rashidur Rahman	Superintending Engineer and Project Director, DESCO	01713038386
2	Engr. Md. Abdul Latif Miah	Deputy Project Director (Grid), DESCO	01713443039
3	Engr. Md. Golam Faruk	Sub Divisional Engr. (Grid Project), DESCO	01755637531
4	Engr. Md. Shahin Ibne Rafiq	Sub Divisional Engr. (Grid Project), DESCO	01755637542
5	Engr. Md. Golam Mostofa	Assistant Engr. (Grid Project), DESCO	01755637585
6	Engr. Mahadi Hasan Rana	Assistant Engr. (Grid Project), DESCO	01755637602
7	Engr. Md. Mazedur Rahman	Sub Assistant Engr. (Grid Project), DESCO.	01777739220
8	Md. Imrul Ansari	Sub Assistant Engr. (Grid Project)	01787680515
9	Md. Atiur Rahman	Sub Asst. Engr. HYOSUNG, Tongi, Gazipur	01714909429
10	Md. Atiqur Rahman Mollah	Sub Manager. HYOSUNG, Dhaka	01730452981
11	Engr. BasirAhammad	Site Manager, HYOSUNG, Dhaka	01777666778
12	Md. Saidul Islam	Site In charge, HYOSUNG, Dhaka	01957981063
13	Abdul MatinAkondo	O/C Manager, , HYOSUNG, Dhaka	01745361208
14	Syed Rafiqul Islam	Site Manager, HYOSUNG, Dhaka	01715785644
15	Md. Istiak Habib	Site Manager, HYOSUNG, Dhaka	01766388135
16	Md. Mostafizur Rahman	Site Engr. HYOSUNG, Dhaka	01721331021
17	Md. Shahin	Site Engr. HYOSUNG, Dhaka	01739514303
18	Md. Jahidur Rahman	Admin, HYOSUNG, Dhaka	01723626535
19	Md. Ashrafur Kabie	Cite Engineer, Purbachal.HYOSUNG, Dhaka	01791261897
20	Md. Abdul Baker	Hyosung, Uttata	01710054037
21	Md. Abdul Alim	Safety Manager, Uttara	01990391453
22	Md. Rashid Roma	Tongi Sub Station	01937236336
23	Zihad Uddin Morshed	Site Manager, Uttara	01708642607
24	Md. SoukhinShaik	Worker, Purbachal Site.	01768280624
25	Md. Nurul Huda	Guard, Banani	01767766635
26	Farhad Hossain	Worker, Purbachal Site	01980246449
27	Mst. SumiKhatun	Woman Cook, Uttara	01938975007
28	Md. Moffazal Hossain	Security gurd, Banani	01636717810
29	Ealius Uddin	Worker, Uttatal Site.	019125875
30	Md. Solaiman Ali	Worker, Uttatal Site.	01776161688
31	Mst. JahuraKhatun	Woman Cook, Uttara	-
32	Mst. SuchunaKhatun	Woman Cook, Uttara	01709076015
33	Mst. AsmaKhatun	Woman Cook, Uttara	
34	Md. Rofiqul Islam	Head Mistry, Purbachal	01927044121
35	Md. Moktar Hossain	Worker, Aftabnagar Site.	01700632530
36	Sona Miah	Worker, Aftabnagar Site.	01777111995
37	Quddus Miah	Worker, Uttara Site.	01925552698
38	SreeProvus	Worker, Uttara Site	01701489465
39	Rubel	Worker, Aftabnagar Site	01792004265
40	Monowar	Worker, Aftabnagar Site	01770869682
41	Raihan	Worker, Aftabnagar Site	01708044647
42	Alamgir	Worker, Aftabnagar Site	
43	Abu Sayed	Worker, Aftabnagar Site	01726516546
44	Shahin	Worker, Aftabnagar Site	01917454232
45	Mofazzol	Worker, Aftabnagar Site	01798110675
46	Al Amin	Worker, Aftabnagar Site	01932804016
47	Rahen	Worker, Aftabnagar Site	01740857308
48	Moktar	Worker, Aftabnagar Site	01700632530

Sl.	Name	Occupation/designation	Contact no.
49	Monir	Worker, Aftabnagar Site	
50	Sentu	Worker, Aftabnagar Site	01947201516
51	Md. Mamunur Rashid	Worker, Uttara Site	01726960006
52	Nasir	Worker, Uttara Site	01756030053
53	Md. Imran	Worker, Uttara Site	01717753053
54	Md. NurAlam	Worker, Uttara Site	01785900487
55	Raihan	Worker, Uttara Site	01864615504
56	Md. Mehedi	Worker, Uttara Site	01782231727
57	Bablu	Worker, Uttara Site	01738794506
58	Md. Nazrul	Worker, Uttara Site	01733435505
59	Md. Saju	Worker, Uttara Site	01863104803
60	Sujan Mia	Worker, Uttara Site	01933531443
61	Md Hassan	Worker, Uttara Site	-

Photo: Stakeholder Consultation in the five Sub-Station area



