

Environmental and Social Monitoring Report

Project Number: 50253-001
January–March 2021
March 2021

Bangladesh: Reliance Bangladesh LNG and Power Limited (Reliance Bangladesh Liquefied Natural Gas and Power Project) (Subproject: Meghnaghat 718MW Combined Cycle Power Project)

Prepared by Reliance Bangladesh LNG and Power Limited (RBLPL) for the Asian Development Bank.

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Owner	Reliance Bangladesh LNG & Power Limited
Project:	Meghnaghat 718MW Combined Cycle Power Project
Title:	Environmental and Social Monitoring Report-03
Reporting Tenure:	1st January' 2021 to 31st March' 2021
Submitted To:	Intercreditor Agent (ICA)

**718 MW COMBINED CYCLE POWER PROJECT
MEGHNAGHAT, BANGLADESH**



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A. Project/Business Name and Summary Information

(i) Location of project/business

Project Name: **Meghnaghat 718 MW (Net) Combined Cycle Power Project**

Latitude and Longitude **23° 36'29" N & 90° 35' 39" E**

Village: **Meghnaghat, Sonargaon, District-Narayanganj, Bangladesh**

(ii) Nature

The environmental classifications for industrial projects in Bangladesh are based on "inclusion lists" given in the ECR97 with "RED" being the highest category. Power Plant is listed in the "Red Category" in ECR97 (i.e., serial no.6 in the ECR97 Red list in Schedule-1.). According to ADB classification, the project falls under Category "A" from the Environmental aspect. According to ADB classification the project falls under category "C" the Social aspects. However, this being a combined cycle power plant, the project falls under Category "A" as per ADB classification.

(iii) Scale/size

718 MW (net) Gas-Fired, Combined Cycle Power Project.

(iv) Date of construction/operation commencement

Notice to Proceed has been issued to the EPC Contractor (Samsung C&T) on 27th January 2021.

(v) Name, designation and signature of person responsible for preparing/reviewing the report

Md. Fakrul Islam (EHS Lead, Reliance Bangladesh LNG & Power Ltd)

B. Relevant Environmental Permits or Compliance Certificates

(i) Summary of permit conditions and media(s) covered

Refer to table-A: Environmental Permits or Compliance Certificates

(ii) Issued by which government agencies

Refer to table-A: Environmental Permits or Compliance Certificates

(iii) Issuance dates and duration of validity

Refer to table-A: Environmental Permits or Compliance Certificates

(iv) Renewal requirements

Refer to below table-A: Environmental Permits or Compliance Certificates

Table: A. Environmental Permits or Compliance Certificates:

Sl no	Name of Environmental Permits	Issuing authority	Issue Date	Valid Till	Renewal Requirements
1	EIA	Department of Environment (DoE)	04-March-2018	03-March 2022	Application one month before the expire date of EIA approval.
2	Approval for Temporary Jetty	Department of Environment (DoE)	11-October- 2020	Till Jetty operation phase	Renewal is not required.

Renewal certificate of EIA approval attached for reference as an Annex-A

C. Incidents of Violations or Non-Compliance

No event of violations or non-compliance has been noted during this reporting period.

(i) Recorded dates and responsible agencies

Not Applicable

(ii) Nature of non-compliance

Not Applicable

(iii) Violation or non-compliance based on what environmental standards and regulations

Not Applicable

(iii) Recorded dates and authorities

Not Applicable

(iv) Media or community reactions (if any)

Not Applicable

(vi) Corrective actions, deadlines, identification of responsible parties

(a) short-term: remedial action- Not Applicable

(b) long-term: preventative measures - Not applicable

D. Incidents of Environmental and Safety Accidents

During this reporting period, no environmental incidents and significant safety accidents have been observed.

(i) Incident recorded dates and responsible agencies,

Not Applicable

(ii) Scale of damage and injury (if any)

Not Applicable

(iii) Authorities in charge of investigation/recording

Not Applicable

(iv) Media or community reactions (if any)

Not Applicable

(v) Corrective actions, deadlines, identification of responsible parties

(a) short-term: remedial action - Not applicable

(b) long-term: preventative measures - Not Applicable

E. Labor Relations and Conditions

(i) Record of employment provided to members of local communities (skilled and unskilled) during construction and operation.

11 persons from local communities recruited by EPC Contractor/Sub-Contractor based on the Project requirements and available skills All personnel recruited are skilled personnel.

(ii) Status of compliance of the project company, its contractors and subcontractors with applicable national laws

Project company, EPC Contactors, and sub-contractors are following national labor act and rules related to labor relations and conditions. Compliance to the ESIA/ESMP which covers the requirements under the applicable national laws.

(iii) Record of workers' grievance/Labor dispute, nature of Labor dispute or grievance, status of grievance or dispute

No workers' grievance/labor dispute reported during the reporting period.

(iv) Legal requirements, permit conditions and renewal requirements

Project company, EPC Contractor and sub constructors are following the legal requirements related to minimum wage, labor working hours, overtime, service book for employee, drinking water facilities, washroom facilities, first aid facilities and other related requirements.

(v) Authorities in charge of investigation/recording, findings based on the last monitoring activity

No such investigation/ recording, findings from any authorities applicable during this reporting Period.

(vi) Media or community reactions (if any), record of community grievances, actions taken and status

No grievance or reaction from the community/media have reported during this reporting period.

(vii) Corrective actions, deadlines, identification of responsible parties

Not Applicable

(viii) Labor relations and living conditions for construction Labor force -

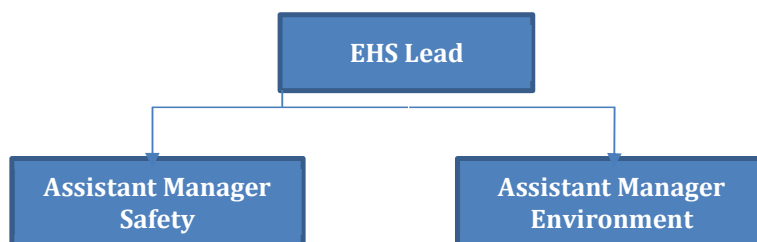
Labor force accommodation is managed by themselves at nearby locality area mainly through renting local houses.

F. Environmental Capacity

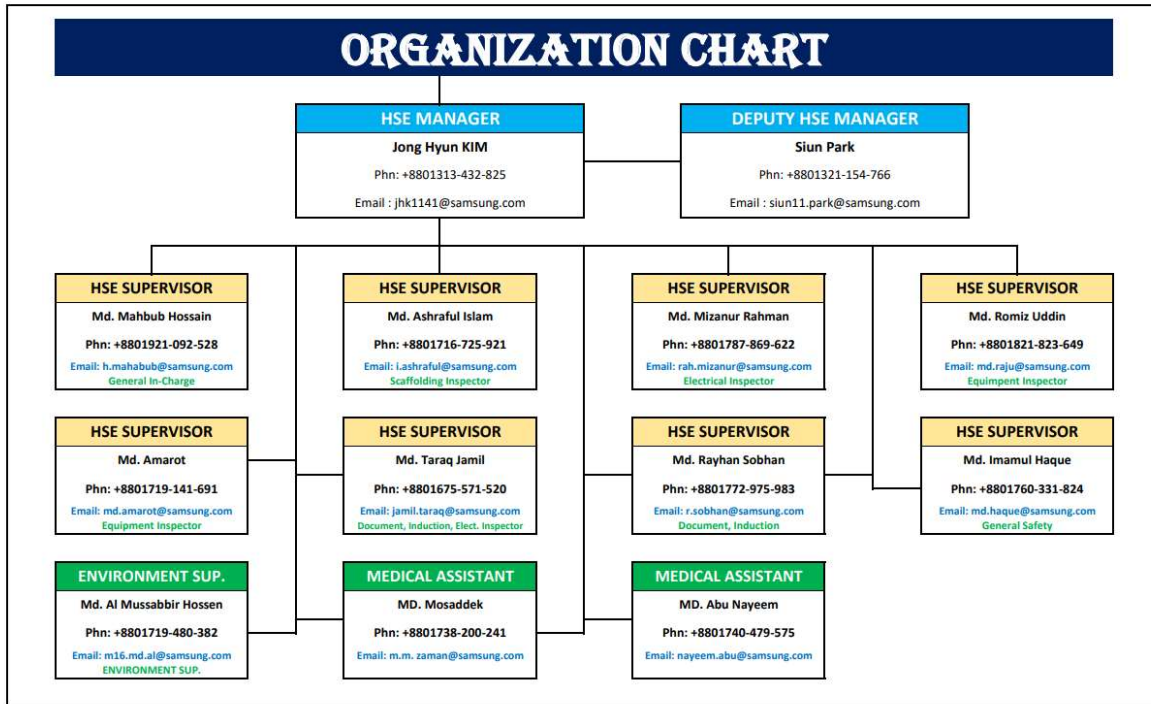
(i) Staff capacities in environmental management (as relevant)

Project Company and EPC contractor have dedicated personnel with environmental monitoring and management experience to ensure environmental Management.

Project Company EHS Management Team



EPC HSE Management Team



(ii) Degree of awareness of: (i) environmental management, (ii) health and safety, (iii) environmental laws and regulations

The Project management team has significant experience and awareness of occupational health and safety, environmental management, environmental laws and regulation. Qualification record of Environmental Management Team attached for reference as an Annex-B.

(iii) Training programs carried out

To enhance environmental management awareness at the site, the EHS team provides training to the site execution team on environmental awareness, waste management system, spillage response plan in compliance with project environmental and social management plan. Tool Box Talk is practiced on a daily basis before start of work. Training plan and records are attached for reference as an Annex-C.

(iv) Needs assessment of environmental management capacity (as relevant)

Training need assessment has been carried out for the project execution team to strengthen the environmental management capacity of the project.

G. Livelihood Restoration

(i) Details of livelihood restoration activities implemented by the Project Company during the reporting period. Details such as number of local members communities employed at the plant, vocational training seed capital etc.

The land for Project Construction has been handed over to the Project Company under the Land Lease Agreement by BPDB which was developed by BPDB in 1995. As per the ESIA study since there is no material effect on the livelihood of locals and no livelihood restoration requirement has been noted.

H. Stakeholder Consultation/CSR Activities

(i) Details of consultations, if any, with local communities, non-governmental organizations, civil society groups, and other stakeholders, including affected people

Public consultation meeting was conducted on 16th August,2020 at the Project site with participation of NGO, Students, Teachers, Housewives, daily wagers, UNO, Assistant Commissioner Land, Environment Consultant, EPC Contractor, Owners Engineer and Lenders Technical Advisor (LTA) etc.

2nd and 3rd Grievance Redressal Committee meeting held on 20th September,2020 & 11th March,2021 with the participation of committee member from different stakeholders. The query/suggestion from these above-mentioned consultation & meeting had been noted and was taken into consideration to address in due course.

Sl No	Key Concerns	Action Point
1	Employment opportunities for the local people.	Hiring of laborers is done by the EPC Contractor/Sub-Contractors, based on need and skill. EPC Contractor/ Sub-Contractor are encouraged to hire local manpower.
2	Financial support to the local school.	The company is planning to provide financial support to local schools in the 3rd quarter of 2021.
3	Traffic management and the speed limit of vehicles.	Speed limit signage board and blind mirror have been installed in power hub access road and inside the project access road for reference as an Annex-D.
4	Improvement of existing road from highway to the project area.	It is in consideration jointly with other under construction Projects in Meghnaghat Power Hub under the supervision of BPDB

(ii) Describe efforts to promote community relations and local development for inhabitants of the project area

1. Donation of BDT 12,00,000 paid to Office of the Upazila Nirbahi Officer, Sonargaon, Narayanganj for homeless and landless people for construction of houses under initiative taken by Bangladesh Government.
2. Disinfectant Spray and Temperature measuring machine has been distributed to several Government Offices and to the local schools to curb the spread of Coronavirus.

(iii) Project procedures for (a) hiring and (b) acquisition of goods and services

Hiring of laborers are done by the EPC Contractor/Sub-Contractors, based on need and skill. EPC Contractor/ Sub-Contractor are encouraged to hire local manpower. However, it has been observed that the locals do not have the required skills for working in similar kinds of Projects. Labor laws are followed and required provisions are specified in the Employment Contracts. The Sub-Contractor deploy labors on a short-term basis following local labor rules. Goods and Services are acquired through a competitive process. Proposals are obtained from capable/qualified vendors and based on Technical and Commercial competitiveness, Purchase Orders/Work Orders are placed for acquiring goods and services

I. Issues, Status of Implementation of Mitigating Measures in the Environmental and Social Management Plan, the Environmental and Social Action Plan and the ADB E&S Management Plan and Compliance with Environmental Qualities and Standards (national and international, as relevant) and Environmental and Social Requirements

The CESMP and ESAP is being implemented through EPC Contractor and monitored through Third-Part Consultant. EPC Contractor has engaged EQMS (EQMS Consulting Limited). Monthly Monitoring reports are shared with FESA and ICA on regular basis.

(i) Air

During this reporting period, ambient air quality monitoring results have all the parameters within the limit as compared to National Ambient Air Quality (NAAQ) limit values. However, the IFC EHS guideline mentions that “Emissions do not result in pollutant concentrations that reach or exceed relevant ambient quality guidelines and standards by applying national legislated standards, or in their absence, the current WHO Air Quality Guidelines”. Since Bangladesh has National Ambient Air Quality (NAAQ) is taken as a reference. The PM10 and PM2.5 measured during the period are within NAAQ limits.

(ii) Water (surface and groundwater)

Surface and groundwater quality monitoring result during this reporting period have shown all parameters within the limit River water flow also measured as part of Hydrology analysis for reference as an Annex-E.

(iii) Waste generation and management

Site Waste Management Plan (SWMP) has already been prepared and approved for the Project Company. EPC Contractor has engaged a waste disposal company for collecting waste from the site on regular basis. Local waste disposal company has the valid DOE Environment Clearance License (No.02.02.6700.140.70.015.17-141) for disposal of waste materials. For reference as an Annex-I

(iv) Noise and vibration.

Noise and Vibration parameters are within local / IFC guideline limits both during day and night.

(v) Occupational health and safety

The project is following Health and Safety standards rigorously and during this reporting period with no reportable occupation, health and safety accidents have been noted. For reference as an Annex-D

(vi) Community safety and security

The project execution team is always focused on avoiding and minimizing any kinds of impact of construction activities on community safety and security. During this reporting period, no such community safety and security related issues have been noted.

(vii) CO2, SOx and NOx emissions by the Project.

During this reporting period project was in the construction phase, so no significant emission of CO2, SOx, and NOx.

(viii) Environmental and Social Management Plan

The project execution team is following the Environmental and Social Management Plan as prescribed in the ESIA report. Additional baseline data report for the dry season and monsoon season, supplementary ESIA for the Temporary Jetty, Transmission line, Spur Gas Pipeline and Laydown have been submitted to FESA and Lenders group for review and approval.

(ix) Environmental and Social Action Plan

The project execution team is following the Environmental and Social Action Plan as approved by ADB as prescribed in the ESIA report. Additional baseline data reports for the dry season and monsoon season, supplementary ESIA for Temporary Jetty, Transmission Line, Spur Gas Pipeline and Laydown have been submitted to FESA.

(x) Status of implementation of Corrective Action Plan

Nil

(xi) Status of implementation of Corrective Action Plan based on Financier's site visit findings

Nil

List of Annexure:

Annex-A Renewal Certificate of EIA Approval

Annex-B EHS Certification of EHS Personnel at Site

Annex-C EHS Training Calendar Photos and Records from January 2021 to March 2021

Annex-D Incident Records & Project Site Photos

Annex-E Hydrology Report January'21

Annex-F Environmental Monitoring Report-January'21

Annex-G Environmental Monitoring Report-February'21

Annex-H Environmental Monitoring Report-March'21

Annex-I Waste Disposal Log with Subsequent Reports