



# Multilateral Investment Guarantee Agency

World Bank Group

## ANNUAL MONITORING REPORT (AMR)

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Sirajganj 2 CCPP  
Bangladesh  
Project #13171

REPORTING PERIOD: (Feb/2020) through (Jan/2021)

AMR COMPLETION DATE: (03/02/2021)

## I. INTRODUCTION

### **MEGA's Economics and Sustainability Group (MIGES)**

The Economics and Sustainability Group (MIGES) oversee MIGA's country and project risk assessment; analysis of development impact of individual projects and MIGA's portfolio: evaluates and monitors project compliance with environmental, social and integrity policies.

Information provided in this AMR helps MIGA'S Environmental and Social specialists assess performance of projects on E&S. Follow up questions may be necessary to clarify information provided.

### **Preparation Instructions**

MIGA's Contract of Guarantee requires North West Power Generation Limited to prepare a comprehensive Annual Monitoring Report (AMR) on the environmental and social (E&S) performance of its facilities and operations. This document comprises MIGA's preferred format for E&S performance reporting. The following template may be supplemented with annexes as appropriate to ensure all relevant information on project performance is reported.

The following points should assist you in completing this form. Please be descriptive in your responses and attach additional information/document(s) to supplement your answers as needed.

- Staff with specific responsibilities for environmental and social issues should complete this form.
- You may submit an electronic copy, fax or hard copy.
- The principal purpose of completing this form is to provide information on the following:
  1. Project Status/Update
  2. Summary of Key E&S Aspects during the Reporting Period
  3. New Development (Corporate)
  4. Action Plan Status and Update
  5. Deviations/non-compliances
  6. Development Effectiveness Indicators System (DEIS)
  7. Client's Feedback

Please note that some questions may not be applicable to your organization and also if it is early to assess issues/risks. So please "NA" or "No-Information Possible" to such questions.

### **Contact Information**

Completed by	Mashuda Parvin		
Position in Organization:	Manager	Tel:	+880201777736469
Email:	parvin@nwpngcl.org.bd	Fax:	NA

## II. PROJECT STATUS/ UPDATE

**This section aims to update MIGA on the Project Status.**

Select the current status of the project and provide a brief description of the developments in relation to the project over the reporting period. For example, has construction been started or completed, has new equipment been installed, has production capacity increased, or is the investment in new projects considered?

	Design (specify)		Construction		Expansion	√	Operation		Closure		Other
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Is there any new investment under development? (Corporate and Investment Funds)

	YES	√	NO
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Please provide details in section IV of this AMR report.

Please identify any other Interactional/Multilateral providing financing to the Project: NA

	World Bank (IBRD/IDA)		IFC		EBRD		EIB		ADB
	Kfw/DEG		FMO		OPIC		EDC		Other (specify)

Has the Project been subject to any existing or threatened complaint, order, directive, claim, citation or notice from any Authority? If yes, please provide details.

	YES	√	NO	Provide details
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Has the Project been subject to or received any written communication from any Person/entity, in either case, concerning the Project's failure to comply with any matter covered by the Performance Standards?

	YES	√	NO	Provide details
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If yes, please provide details.

Please attach any environmental and social reports prepared for other Interactional/ Multilateral Finance Institutions/Export Credit Agencies or local regulatory authorities during the reporting period to this AMR report.

Not Applicable

### III. SUMMARY OF KEY E&S ASPECTS

This section aims to identify the key E&S progress/activities/incidents during the Reporting period (include Summary of Key Findings for the Reporting Period e.g. non-compliances, significant incidents<sup>1</sup>, social unrest, significant improvements/initiatives regarding E&S performance, etc.)

#### **PSI: Assessment and Management of Environmental and social Risks and Impacts**

Please provide details on the status of the following voluntary Management systems certification schemes at your facility, provide details below?

	Not being considered	Future consideration	Planning to implement	Currently implementing	Successfully implemented	Date of certification / recertification
ISO 900:2015					√	13 <sup>h</sup> October, 2022
ISO 14001: 2015					√	13 <sup>h</sup> October, 2022
ISO 45001:2018					√	13 <sup>h</sup> October, 2022
Other	Environmental Clearance Certificate from Department of Environment (DoE)				√	Certificate Validity upto 25/10/2021 (ANNEX-A)

\* Certificate has been attached in ANNEX-A

Describe any changes in the organizational structure to manage environment, health and safety, labor and social aspects during the reporting period. Describe number of personnel in charge of E&S issues.

- NWPGCL has an EHS department staffed with 8 people;

Describe the level of environmental, social and health and safety training provided to staff. Provide annex with list of topics, hours of training and number of participants.

- ISO 14001:2015 Lead Auditor Training from BV
  - Moshiur Mahmud Khan, AM, SPS
  - Farhhana Choudhury, AE (EHS)
- IFC Performance Standard Training by EQMS
  - Abdullah Al Quareshy, SE,
  - Mashuda Parvin, Manager, Corporate

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<sup>1</sup>Examples of significant incidents follow: Chemical and/or hydrocarbon materials spills; fire, explosion or unplanned releases, including during transportation; ecological damage/destruction; local population impact, complaint or protest; failure of emissions or effluent treatment; legal/administrative notice of violation; penalties, fines, or increase in pollution charges; negative media attention; chance cultural finds; labor unrest or disputes; local community concerns.

- Moshiur Mahmud Khan, AM, SPS
- Tahera Jahan, AM, Admin, S-2
- IFC Performance Standard Training by IFC
  - Mashuda Parvin, Manager, Corporate
- ADB Safeguard Policy Statement
  - Mashuda Parvin, Manager, Corporate

Are you aware of any events or significant incidents that may have caused damage; brought about injuries or fatalities or other health problems; attracted the attention of outside parties; affected project labor or adjacent populations; affected cultural property; or created liabilities for your company? (if yes, please provide details and attach any incident reports to this AMR report)

	YES	√	NO	Provide details
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Describe any ongoing public consultation and disclosure, liaison with non-governmental organizations (NGOs, civil society and local communities or public relations efforts on environmental and social aspects.

- Due to Covid 19 situation stakeholder consultation meeting is not conducted.

Describe any ongoing social or community development initiatives, programs or dialogue.

- Community Development program is ongoing. (Annex C)

Briefly describe new initiatives implemented during the reporting period or additional managerial efforts on E&S aspects (e.g. Energy/water savings, sustainability report, waste minimization, etc)

- For energy saving initiatives (*Conversion of Tube lights into LED lights Program for Same Level Illumination as an when there is a possibilities*), we are replacing LED light with Tube light.
- Taking initiative for reducing Paper Consumption.

Briefly describe the number and type of comments and/or grievances received by the Company in relation to E&S issues? How many have been resolved and how many are pending? (Please attach a table with grievance redress registry)

- No grievance has been raised yet. (Scan copy of GRM book in attached in Annex D)

Describe activities completed under the community development plan. (Annex C)

- Sewing machine for 30 poor women and motor driven van for 20 poor men.
- Around 1000 bottles (200 ml each) were distributed to local community of Panchashona Village, Punarbashan, Soydabad Union Porishad.
- 700 bags (Each bag contained rice (10 kg), pulse (2 kg), potato (3 kg), salt (1 kg), soyabean oil (1 L), Onion (1 kg) and soap (2pcs.)) were distributed to local community beside Sirajganj Power Station.
- 1000 bags (Each bag contained rice (10 kg), pulse (2 kg), potato (3 kg), salt (1 kg), soyabean oil (1 L), Onion (1 kg), sugar (1 kg), powder milk (500 g), Molasses (1 kg),

Chira (3 kg), Shemai (3 Packets), Saline (1 box or 20 pcs.) and soap (5 pcs.) to local community beside Sirajganj Power Station and Pach Thakuri Village of Sadar Upazilla and Bir Shuvogacha & Dakkhin Burundi Villages of KazipurUpazilla, Sirajganj.

### Life, Fire and Safety

Do your offices including regional and branch offices have valid Fire Safety permits for all buildings including those on lease issued by appropriate local authorities?

√	YES		NO
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Provide details, [Annex-E \(Fire License\)](#)

When was the last fire safety inspection carried out by the appropriate local authority? What were the key findings of the inspection and have any outstanding issues been addressed?

Department of Civil Defense and Fire Service authority has visited the site and has issued Fire License ([Annex-E](#))

Has there been any fire incident in the reporting period? If yes, please provide fire incident report including the details of these incidents, the root cause along with corrective actions taken by your organization.

	YES	√	NO
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Provide details: [Not Applicable](#)

Please indicate if any first aid training was provided to staff during the reporting period.

√	YES		NO
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Provide details in [Annex-F](#)

Please complete the following table for project operations to describe basic fire safety precautions.

Fire Safety Verification activities	Mandatory Frequency	Date(s) performed (mm/dd/yyyy)	Observed Deficiencies	Corrective Actions and Schedule For Implementation
Fire Drills	Minimum: three (3) / year	15/03/2020, 31/08/2020 & 09/11/2020		Enhance Staff training
inspect and certify fire detection & suppression electrical & mechanical systems	Minimum	As per maintenance schedule		
Inspect, refill/recharge portable fire	Minimum	Inspection is done monthly, Refilled on	N/A	For inspection

extinguisher		28/08/2020		
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**PS2: Labour and Working Condition**

Have you changed your Human Resources (HR) policies, procedures or working conditions during the reporting period?

	YES	√	NO
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Provide details

Provide the following information regarding your workforce:

NWPGCL

Site	Direct Employees	Female Direct Employees	employees terminated	employees hired	Contractor Employees
S-2 power plant	89	0	0	0	-

Has the Project been subject to any ongoing or, threatened, strikes, slowdowns or work stoppages by employees or any contractor or subcontractor? If yes, please provide details.

	YES	√	NO
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Provide details

**Occupational Health and Safety**

Describe the main changes implemented in terms of Occupational Health and Safety (OHS) during the reporting period, e.g. identification of hazards, substitution of chemicals, new controls, etc.

*Occupational Health and Safety Indicators*

Report Total Numbers for each parameter	This reporting period		Reporting period – previous year	
	Direct Employees	Contractor employees	Direct Employees	Contractor employees
Total number of Workers			-	-
Total man-hours worked Annual			0	0
Total number of lost time occupational injuries	0		0	0
Total number of lost workdays due to injuries	0		0	0
Number of fatalities	0	0	0	0

Provide details for the non-fatal injuries during this reporting period

Company or Contractor employee	Total workdays lost	Description of injury	Cause of accident	Corrective measures to prevent reoccurrence
NWPGCL	0	0	0	0

Describe in detail fatalities and vehicle accidents, including corrective measures (provide copies of OHS investigation and respective corrective plan).None

*Significant Incidents*

Date of incident	Type of incident	Brief Description of incident	Fatalities (Y/N)	# of fatalities	Preventive measures taken after the incident

Please describe any year-over-trends in reported indicators, non-fatal injuries and significant incidents.

No fatal injuries

**Worker Accommodation:** The project is now in operational phase, so no worker accommodation.

Please attach recent inspection checklists

### PS3: Resource Efficiency and Pollution Prevention

Provide the following environmental monitoring data for this reporting period. If you already have all the data requested available in another format, this can be submitted instead. Please provide a scaled facility map showing the precise locations of all monitoring points.

#### *Ambient noise*

Please describe any year-over-trends. [NA](#)

Complete the table below to provide MIGA with quantitative data on project Noise levels. Please provide Host country maximum levels in country units in the table below.

How many monitoring points for Noise Sources will project has? **15 Points**

Monitoring Point Location:

1. South-west corner (Plant corner), North-west Corner, North-east Corner, South-east Corner, In front of STG & GTG, Residential & Administrative Building and others:(Attachment 1)

Receptors		WBG Maximum Levels (WBG unit)		Project performance (WBG unit)		Host Country maximum levels ( Host Country unit)		Project performance( Host Country unit)	
Residential; Institutional; Educational	Daytime 7:00-22:00	55	dBA	-	dBA	-	dBA	-	dBA
	Nighttime 22:00 -7:00	45	dBA	-	dBA	-	dBA	-	dBA
Industrial; Commercial	Daytime 7:00-22:00	70	dBA		dBA	-	dBA	-	dBA
	Nighttime 22:00 -7:00	70	dBA		dBA	-	dBA	-	dBA
Silent	Daytime 6:00-21:00	-		-		50	dBA	-	dBA
	Nighttime 21:00 -6:00	-		-		40	dBA	-	dBA
Residential	Daytime 6:00-21:00	-		-		55	dBA	-	dBA
	Nighttime 21:00 -6:00	-		-		45	dBA	-	dBA
Mixed	Daytime 6:00-21:00	-		-		60	dBA	-	dBA
	Nighttime 21:00 -6:00	-		-		50	dBA	-	dBA
Commercial	Daytime 6:00-21:00	-		-		70	dBA	-	dBA
	Nighttime 21:00 -6:00	-		-		60	dBA	-	dBA
Industrial	Daytime 6:00-21:00	-		-		75	dBA	63.7	dBA
	Nighttime 21:00 -6:00	-		-		70	dBA	59.8	dBA

*\*Blue blocks are national standard, ECR'1997 and subsequent amendment on 2006*

*`Please complete a similar table for every location where Noise is monitored while specifying the location.*

### **Air quality**

Please provide details of NOx emissions and describe.

For Details, Please Check the **Attachment 1**

### **Liquid effluent discharges**

Please describe any year-over-trends

Liquid effluent discharges (Industrial Waste Water Pool)

<b>Date</b>	<b>pH</b>	<b>Temp (°C)</b>
12/02/2020	8.17	23.8
15/03/2020	8.21	25.7
04/04/2020	8.12	28.5
05/05/2020	2.27	25.8
16/06/2020	7.98	29.5
23/07/2020	8.03	26.2
10/08/2020	8.15	28.9
03/09/2020	7.99	25.4
19/10/2020	8.07	27.4
18/11/2020	8.14	23.9
05/12/2020	7.86	22.4
20/01/2021	8.09	20.3

Complete the table below to provide MIGA with quantitative data on Project wastewater and ambient Water quality levels. Please provide Host Country maximum levels in Country units in the table below.

How many monitoring points for wastewater? 1Location

Monitoring point Location (Please See the Attachment 1)

Receptors	WBG Maximum Levels (WBG unit)		Project performance (WBG unit)		Host Country maximum levels (Host Country unit)*		Project performance (Host Country unit)	
pH	6-9	pH	-	pH	6-9	pH	-	-
BOD	30	mg/L	-	mg/L	50	mg/L	-	mg/L
COD	125	mg/L	-	mg/L	200	mg/L	-	-
Total Nitrogen	10	mg/L	-	mg/L	-	mg/L	-	-
Total Phosphorus	2	mg/L	-	mg/L	-	mg/L	-	-
Oil and grease	10	mg/L	-	mg/L	10	mg/L	-	-
Total residual chlorine	0.2	mg/L	-	mg/L	0.5	mg/L	-	-
Total Suspended Solids	50	mg/L	-	mg/L	150	mg/L	-	mg/L
Total Coliform bacteria	400	MPN/100 ml	-	MPN/100 ml	-	MPN/100 ml	-	-

Note:

*MPN: Most Probable Number*

*\* Standards for Waste from Industrial Units or Projects Waste [See Rule 13]/ Places for determination of standards (Inland Surface Water)*

*Please complete a similar table for every location where wastewater is monitored while specifying the location [NA](#)*

### Energy and Water Management

Utility Type	Units	Annual Consumption			Total	Remarks
		Site 1	Site 2	Site 3		
Water Use	Cubic Meter		44,93,147m <sup>3</sup>		44,93,147m <sup>3</sup>	February, 2020 to 20 <sup>th</sup> January, 2021
Gas	SCM		190326796.21 SCM		190326796.21 SCM	February, 2020 to 20 <sup>th</sup> January, 2021

### Greenhouse Gas Emissions

Please describe year-over-trends.

Please See the [Annex-G](#)

### Waste and Hazardous Materials

Please provide quantities and description of wastes and any year-over-trend. Please provide details of any waste recovery/recycling. **Not Applicable.**

If any of the EHS guidelines or local regulatory limits is exceeded and, if appropriate, describe the planned corrective actions to prevent re-occurrence. **Not Occurred**

#### **PS4: Community Health, Safety and Security**

Using the table below list and briefly describe any new initiatives implemented in relation to Community Health and Safety during the reporting period. Include risk assessments, new infrastructure and equipment; hazardous materials and safety management, transportation and exposure to disease.

<b>Mitigation Measure</b>	<b>Expected or actual date of Implementation</b>	<b>Planned future mitigation efforts?</b>
Off Site Emergency Response Plan disclose	In this year implementation is not possible due to Covid Situation.	June, 2021

During the reporting period any emergency drills have been conducted with community participation? Are the communities aware of the emergency response plans? Please describe any changes in the Company's engagement with private/public security forces during the reporting period and any corresponding agreements.

The Sirajganj Power Hub (SPH) is KPI (key Point Installation) area. So, as per the Government rules, security guard was present to protect the SPH. As now there will be 4 power plants, so security guard number has been increased.

#### **IV. ACTION PLAN STATUS AND UPDATE**

Please update us in the current status of the action plan, define the dates when pending actions will be implemented. Please refer to the initial ESAP for the indicators and deliverables.

Task Title/ Description	Anticipated Completion Date	Indicator of Completion	Completion Date	Status as of DD/MM/YYYY	% Complete

All CP has been completed as per ESAP and CS activities are ongoing as per schedule.

**Annex-H**

## V. DEVIATION/ NON-COMPLIANCES

The following are the identified deviation/non-compliances identified in reference to the following:

- (i) Performance Standards;
- (ii) Environmental and Social Action Plan;
- (iii) Non- compliance with local environmental and Social regulations
- (iv) Applicable EHS Guidelines

If there is any Non-compliances/deviations please record and provide additional information if necessary.

Please refer Environmental and Social Audit Report conduct by EQMS (January 2021).

**(Attachment -2)**

Areas of Interests	Non-Compliances Identified	Corrective Action Plan	Status of Completion	Completion date
Performance Standards (PS1-8)				
Environmental and Social Action Plan				
Local Environmental and Social regulations				
Applicable EHS Guidelines				

Please explain the cause and, if appropriate, describe the planned corrective actions to prevent re-occurrence.

**VI. Development Effectiveness Indicators System (DEIS)**

*Please fill out the DEIS indicators (to be based on the Contract of Guarantee)*

**Annex- I**

## VII. CLIENTS FEEDBACK

Please check the box that best represent your evaluation of the support received from MIGA. On dealing with E&S aspects of the project, how diligently in your opinion has MIGA been able:

Areas of MIGA Assistance	No opinion	Excellent level of support	Above the expectations	As reasonably expected	Below what was expected	Comments
To help in the interpretation and applicability of MIGA's Performance Standards		√				
To provide guidance for the implementation of the Environmental and Social Action Plan (ESAP)		√				
To share the outcomes of MIGA supervision visits to the project and on agreeing in corrective actions		√				
To demonstrate flexibility and creativity to guide the Company's management of project's E&S issues		√				

# ANNEX-A: ISO Certificate & Environmental Clearance Certificate (ECC)

Bureau Veritas Certification



**NORTH-WEST POWER GENERATION  
COMPANY LIMITED**



HEAD OFFICE: UNIQUE TRADE CENTER (LEVEL- 03 AND 04), 8 PANTHAPATH,  
KAWRANBAZAR, DHAKA-1215, BANGLADESH

This is a multi-site certificate, additional site details are listed in the appendix to this certificate  
Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management  
System of the above organization has been audited and found to be in accordance  
with the requirements of the Management System standards detailed below.

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*Standards*

**ISO 9001:2015, ISO 14001:2015 &  
ISO 45001:2018**

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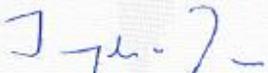
*Scope of certification*

**CORPORATE MANAGEMENT OF POWER PLANTS,  
POWER GENERATION & SUPPLY TO THE NATIONAL GRID**

Original cycle start date For ISO 9001 & ISO 14001:	<b>14 October 2016</b>
Original cycle start date For ISO 45001:	<b>28 August 2018</b>
Expiry date of previous cycle:	<b>13 October 2019</b>
Recertification Audit date:	<b>17 June 2019</b>
Recertification cycle start date:	<b>09 September 2019</b>

Subject to the continued satisfactory operation of the organization's Management System,  
this certificate expires on: **13 October 2022**

Certificate **IND19.9289/U**    Version : **2**    Revision date: **29 September 2020**



Signed on behalf of BVCH SAS – UK Branch  
**Jagdish N. MANIAN**  
Head – CERTIFICATION, South Asia  
Commodities, Industry & Facilities Division



UKAS  
MANAGEMENT  
SYSTEMS  
0008

Certification body address: 5th Floor, 88 Prescot Street, London, E1 9JG, United Kingdom.  
Local office: Bureau Veritas (Bangladesh) Pvt. Ltd.  
Symphony (5th Floor), Plot- 02/09, Road-142  
South Avenue, Gulshan-1, Dhaka-1212, Bangladesh.

*Fig.1 of 2*

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organization.  
To check this certificate validity please call +88 (02) 9336766.



Bureau Veritas Certification

Appendix to the certification
NORTH-WEST POWER GENERATION
COMPANY LIMITED



Standards

ISO 9001:2015, ISO 14001:2015 &
ISO 45001:2018

Table with 4 columns: SITE, SITE ADDITION DATE, ADDRESS, SCOPE. Rows include HEAD OFFICE, SIRAJGANJ POWER STATION, KHULNA 225 MW COMBINED CYCLE POWER PLANT, BHERAMARA 410 MW COMBINED CYCLE POWER PLANT, and MADHUMATI 100 MW HFO BASED POWER PLANT.

Certificate No. IND19.9289/U Version: 2 Revision date: 29 September 2020

Handwritten signature

Signed on behalf of BVCH SAS - UK Branch
Jagdish N. MANIAN
Head - CERTIFICATION, South Asia
Commodities, Industry & Facilities Division



Certification body address: 5th Floor, 65 Prescot Street, London, E1 6HG, United Kingdom.

Local office: Bureau Veritas (Bangladesh) Pvt. Ltd.
Symphony (5th Floor), Plot- 5E/19, Road-142
South Avenue, Gulshan-1, Dhaka-1212, Bangladesh.

Pg 2 of 2

Further clarifications regarding the scope of this certificate and the applicability of the
management system requirements may be obtained by consulting the organization.
To check this certificate validity please call +88 (02) 8836765.



গণপ্রজাতন্ত্রী বাংলাদেশ সরকার  
পরিবেশ অধিদপ্তর  
রাজশাহী বিভাগীয় কার্যালয়  
পরিবেশ ভবন, নিশিন্দারা, বগুড়া  
www.doe.gov.bd

## ছাড়পত্র নবায়ন

ছাড়পত্র নং: ২০-৪৫৮২৩

পরিবেশগত ব্যবস্থাপনা নিশ্চিতকরণ সাপেক্ষে সংযুক্ত শর্তে নিম্নবর্ণিত প্রতিষ্ঠান/প্রকল্পের অনুকূলে ছাড়পত্র নবায়ন প্রদান করা হলো :

প্রতিষ্ঠান/প্রকল্পের নাম	: সিরাজগঞ্জ ২২৫ মেঘাওয়াট কনক্রিট সাইকেল পাওয়ার প্লান্ট (২য় ইউনিট)
উদ্যোক্তার নাম	: নর্থ ওয়েস্ট পাওয়ার জেনারেশন কোম্পানী লিমিটেড
সনাক্তকরণ নং	: ৬৭১২৮
প্রতিষ্ঠান/প্রকল্পের কার্যক্রম	: পাওয়ার প্লান্ট
প্রতিষ্ঠান/প্রকল্পের শ্রেণী	: Red
প্রতিষ্ঠান/প্রকল্পের ঠিকানা	: সাং-সয়দাবাদ, উপজেলা-সিরাজগঞ্জ সদর, জেলা-সিরাজগঞ্জ।
প্রদানের তারিখ	: ০৮ ডিসেম্বর, ২০২০
মেয়াদ উত্তীর্ণের তারিখ	: ২৫ অক্টোবর, ২০২১



এ ছাড়পত্র সনদের সাথে পৃথকভাবে সংযুক্ত প্রদত্ত শর্তাবলী যথাযথভাবে প্রতিপালন করতে হবে, অন্যথায় ছাড়পত্র বাতিল/ক্ষতিপূরণ আদায়সহ যে কোন আইনানুগ ব্যবস্থা গ্রহণ করা হবে।

বিঃদ্রঃ এটি একটি সিস্টেম জেনারেটেড ছাড়পত্র এবং এতে কোনোরূপ স্বাক্ষরের প্রয়োজন নেই।

ছাড়পত্রটি যাচাই করতে ভিজিট করুন: [http://ecc.doe.gov.bd/certificate\\_verification](http://ecc.doe.gov.bd/certificate_verification)

Page 1 of 2

**ছাড়পত্র নবায়ন এর জন্য প্রযোজ্য শর্তাবলী:**

১. পরিবেশগত ছাড়পত্র/নবায়ন পত্রের প্রযোজ্য সকল শর্তাবলী অপরিবর্তিত রেখে এ ছাড়পত্র নবায়ন করা হলো।
২. প্রতিষ্ঠানটিতে সৃষ্ট শব্দ, গ্যাসীয় নিঃসরণ ও তরল বর্জ্যের নির্গমন মাত্রা পরিবেশ সংরক্ষণ বিধিমালা, ১৯৯৭ এবং শব্দ দূষণ (নিয়ন্ত্রণ) বিধিমালা, ২০০৬ এর মানমাত্রার মধ্যে হতে হবে।
৩. প্রতিষ্ঠানটিতে সৃষ্ট বর্জ্য ও অন্যান্য দূষণকারী পদার্থ পরিবেশস্নাতভাবে ব্যবস্থাপনা করতে হবে।
৪. প্রতিষ্ঠানটিতে কর্মরত শ্রমিকদের পেশাগত স্বাস্থ্য রক্ষার্থে সকল ব্যবস্থা সার্বক্ষণিক চালু রাখতে হবে।
৫. পরিবেশগত ছাড়পত্র/ নবায়নপত্রে সকল শর্তাবলী পালন করতে প্রতিষ্ঠানটি বাধ্য থাকবে।
৬. প্রতিষ্ঠানটিতে অগ্নিনির্বাপনী ব্যবস্থা কার্যক্ষম রাখতে হবে।
৭. প্রতিষ্ঠানটির বিরুদ্ধে পরিবেশ দূষণমূলক কোন অভিযোগ প্রমানিত হলে এ ছাড়পত্র বাতিল বলে গণ্য হবে।
৮. এ ছাড়পত্র/ নবায়নপত্র শুধুমাত্র পাওয়ার প্লান্টের ক্ষেত্রে প্রযোজ্য হবে।
৯. ভবিষ্যতে তথ্য ভুল প্রমানিত হলে প্রতিষ্ঠানটির অনুকূলে প্রদানকৃত ছাড়পত্র সয়ংক্রিয় ভাবে বাতিল বলে গণ্য হবে।
১০. কারখানাটি চালু অবস্থায় ৩ (তিন) মাস অন্তর অন্তর বছরে ৪(চার) কারখানার চারিপাশের বায়ুর গুণগতমান (SPM) বিশ্লেষিত ফলাফল অত্র দপ্তরে দাখিল করতে হবে।
১১. আগামী ১ (এক) মাসের মধ্যে জিরো ডিসচার্জ প্লান অত্রাফিসে দাখিল করতে হবে।
১২. প্রতিষ্ঠানটিতে স্বাস্থ্য সন্মত টয়লেট ব্যবস্থা গড়ে তুলতে হবে এবং তা সর্বদা পরিষ্কার পরিচ্ছন্ন রাখতে হবে।
১৩. পরিবেশ অধিদপ্তরের পরিদর্শক ও পরিদর্শনের ক্ষমতাপ্রাপ্ত অন্যান্য কর্মকর্তীগণ কারখানা পরিদর্শনকালে ছাড়পত্র/নবায়নপত্র দেখতে চাইলে তা দেখাতে হবে এবং ছাড়পত্র/নবায়নপত্র কারখানার এমন স্থানে ঝুলিয়ে রাখতে হবে যাতে তা সহজে দেখা যায়।

# **ANNEX-B: Stakeholder Engagement Program**



**North-West Power Generation Company Limited**

# **Stakeholder Engagement Report 2019-2020**

**For**

## **Sirajganj Power Plant (Unit- 2 & Unit- 3)**

**Prepared By**

**ELRC**

**Environmental Laboratory and Research Centre**

Flat # F1, House # Ta - 134/ A, Boishakhi Sarani, Gulshan - Badda Link road  
Dhaka- 1212, Bangladesh

## **Stakeholder Engagement**

Stakeholder engagement is the process by which an organization involves people who may be affected by the decisions it makes or can influence the implementation of its decisions. More specifically, stakeholder engagement is more inclusive and continuous process between a company and those potentially impacted that encompasses a range of activities and approaches, and spans the entire life of a project. Additionally, Engagement is not an end in itself, but a means to help build better relationships with the societies in which we operate, ultimately resulting in improved business planning and performance.

Considering the importance of Stakeholders and its engagements, NWPGL has identified, mapped its relevant stakeholders and developed an engagement plan to approach the stakeholders throughout the project life cycle. According to this Stakeholder Engagement Plan (SEP), NWPGL establishes a sustainable relationship along with its stakeholders. This report has been prepared on the stakeholder engagement activities for 2019-2020 as guided by the established SEP of NWPGL.

## Consultation with Fire Service and Civil Defense

Name of the Stakeholder (Institution/Community): Fire Service & Civil Defense, Sirajganj		Date: 27.09.2020
Consulted person: Md. Atiqul Islam	Position: Inspector (Wire House)	Mobile No: 01721419032
Consulted by: Md. Abdur Rahman	Position: Assistant Consultant (ELRC)	

Concerned Issues	Discussion
Involvement with the emergency preparedness programs taken by the NWPGL	Involved for Fire Safety Training on Need Basis. Approximately 4-5 Training Program Held in the Last Year.
Frequency of programs taken	Once or Twice in a Quarterly Time Period
Any fire incidents reported	Not reported
Remarks	Fire drill needed by a 2-month interval. Should have the initiative to give training on fire safety.



## RECOMMENDATIONS

- Fire drilling/fire safety training needs to be conducted periodically

## Consultation with Ministry of Health and Family Welfare

Name of the Stakeholder (Institution/Community): Upazila Health and Family Welfare office, Sirajganj Sadar Upazila		Date: 28.09.2020
Consulted person: Dr. Md. Jahidul Islam	Position: Upazila Health and Family Welfare Officer	Mobile No:
Consulted by: Md. Abdur Rahman	Position: Assistant Consultant (ELRC)	

Concerned Issues	Discussion
Available health facilities	Information Unavailable
Common exposure diseases (last one year)	Information Unavailable
Health problems created from the project activities (if any)	Information Unavailable
Health improvement initiatives may be taken by NWPGL	Information Unavailable
Remarks	Denied to Take Pictures



## LIMITATIONS

- No information has been found from the respective department

## Consultation with Dept. of Agriculture

Name of the Stakeholder (Institution/Community): Upazila Agricultural Office		Date: 28.09.2020
Consulted person: Krishibid Rustom Ali	Position: Upazila Agricultural Officer	Mobile No: 01706625535
Consulted by: Md. Abdur Rahman	Position: Assistant Consultant (ELRC)	

Concerned Issues	Discussion
Agricultural practices (Saidabad Union)	Two crops field maximum. Some 3 crops.
Irrigation practices (Saidabad Union)	Shallow tube well, River water, Deep Tube well (rare)
Irrigation cost (last year and present year; if increased compared to previous year, why )	Not been increased significantly.
Production rate (Saidabad Union)	Not recorded union wise.
Annual revenue (Saidabad Union)	Not recorded union wise.
Availability of agricultural labor (Saidabad Union)	Not available all the season.
Labor wages (Both male & female in Saidabad Union)	Vary season to season 400-700
Agricultural problems created from the project activities (Yes/No)	No problems identified yet. Maximum are null lands near the plant.
Measures, suggestions and engagements if required	More Deep Tube-well need.
Remarks	Not specified



## Recommendations

- Deep tube-well installation may help increase agriculture productivity.

## Consultation with Dept. of Fisheries

Name of the Stakeholder (Institution/Community):		Date:
Upazila Fisheries Office		28.09.2020
Consulted person:	Position:	Mobile No:
Md. Amzad Hossain	Assistant Fisheries officer	01716732855
Consulted by: Md. Abdur Rahman		Position: Assistant Consultant (ELRC)

Concerned Issues	Discussion
Fishing scenario and practices around the project site	Open water fishing, Home pond. Aquaculture. Generally Used Cast Net, Bittle, Thela Jal, Polo. Fishes: Kajoli, Chingri, Pabda, Piali, Baim, kachki, Chapila, Boal, Elish, Bagha Aeer.
Yearly Yield (Saidabad Union)	13678 metric ton total (10 unions) last year. Union wise not updated.
Total fishing activities (around the	Not updated.

project site)	
Fish availability (around the project site)	Fish availability rate is satisfactory now.
Fishing areas (around the project site)	River/open water fishing areas near the plant
Fishing problems created from the project activities (Yes/No)	Not reported
Measures, suggestions and engagements if required	Need Fish sanctuary.
Remarks	Any kind of support for fishermen in lean fishing season.



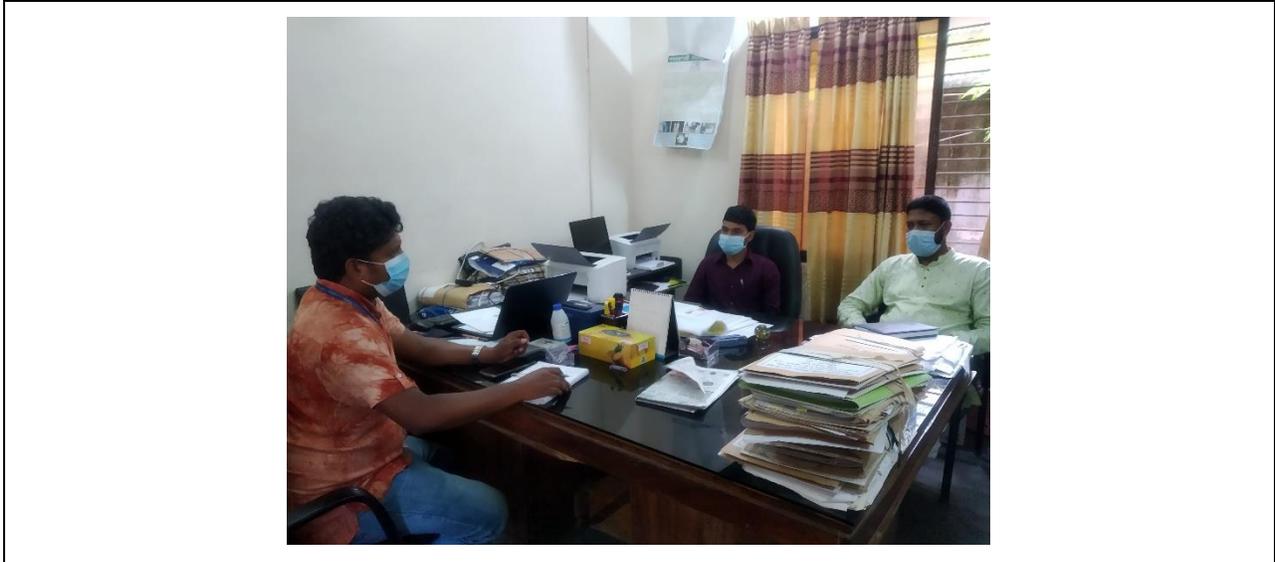
## Recommendations

- NWPGL may support for fish sanctuary establishment;
- Fishermen stay jobless during lean season; any kind of supports for fishermen in lean season will be appreciated.

## Consultation with Dept. of Public Health Engineering

Name of the Stakeholder (Institution/Community): Department of Public Health Engineering, Sirajganj Upazila		Date: 28.09.2020
Consulted person: Md. Kamrul Hasan	Position: Estimator	Mobile No: 01715149341
Consulted by: Md. Abdur Rahman	Position: Assistant Consultant (ELRC)	

Concerned Issues	Discussion
Ground water condition around the project site area	Overall fine. Iron found in the deep around the project area.
DTW depth	Max 300 feet, Min 150 feet
STW depth	35 to 40 Feet
DTW installation cost (last year and present year; if increased compared to previous year, why )	No Recent installation by DPHE.
STW installation cost (last year and present year; if increased compared to previous year, why )	35 to 40 feet total cost 10000 BDT
Remarks	It's better if the mega project use surface water.



## Recommendations

- Use surface water as much as possible instead of using ground water.

## Consultation with Fishing Community

Name of the Stakeholder (Community): Fishing Community	Date: 29.09.2020
--	------------------

Name of the Participants	Age	Location
Iqbal	19	Barashimul Panchasona
Konok	23	Barashimul Panchasona
Ibrahim	30	Barashimul Panchasona
Ajgor	36	Punarbashon
Akbar	42	Punarbashon
Mojammel	31	Barashimul Panchasona

Concerned Issues	Discussion
Fishing areas around the project site (Number)	River side mainly. Some ponds but not nearest to the plant.
Fishing practices	Current jal, Ber jal.
Available fisheries	Aair, Boal, Prawn, Elish etc.
Quantity of fisheries	Enough in the Season.
Fishing problems created by project activities around the project site area (Yes/No)	No
Measures, suggestions and engagements if required	Try not to pollute surface water
Remarks	



## Consultation with Agricultural Farmers

Name of the Stakeholder (Community): Farmers Community	Date: 29.09.2020
--	------------------

Name of the Participants	Age	Location
Aziz	24	Punarbashan
Moinul	29	Punarbashan
Anwar	20	Barashimul
Rofique	45	Barashimul
Romij	34	Barashimul

Concerned Issues	Discussion
Agricultural practices (single, double and triple)	Double (Paddy-Mustard)
Crop types	Pulse, Paddy, Mustard, Amon, Wheat
Production rate	Increased compared to the previous year.
Irrigation practices	Shallow, Natural and Surface water.
Irrigation cost (last and present year)	3500 BDT per bigha.
Annual revenue	N/A
Agricultural Labor Availability	Not available in peak season.
Labor wages (male, female)	500 BDT per day in last season (Male only). No female worker is available in this area.
Existing problems and others relevant issues around the project site	No relevant problems have been identified.



## Recommendations

No relevant recommendations.

## Consultation with Community

Community consultations regarding project activities and community health, safety and emergency preparedness could not be conducted due to the Covid 19 situation.

# **ANNEX-C: Community Development Programme**



North-West Power Generation Company Ltd. (NWPGL)  
Sirajganj Power Station  
Soydabad, Sirajganj

Community Development Programme

Date: 18.01.2020

Title	Distribution of Sewing Machine (30) & Motor driven Van (20)
Organizer	Sirajganj Power Station, NWPGL, Soydabad, Sirajganj.
Time	11.00 AM-01.00 PM
Venue	Sirajganj Power Station, NWPGL, Soydabad, Sirajganj.
Participants	Sewing machine for 30 poor women and motor driven van for 20 poor men.

Pictorial Evidence







North-West Power Generation Company Ltd. (NWPGL)  
Sirajganj Power Station  
Soydabad, Sirajganj

**Community Development Programme**

Date: 28.03.2020

Title	<b>Distribution of hand sanitizer to local community</b>
Organizer	<b>Sirajganj Power Station, NWPGL, Soydabad, Sirajganj.</b>
Time	11.00 AM-02.00 PM
Venue	Panchashona Village, Punarbashan, Soydabad Union Porishad.
Participants	- Local Community beside Sirajganj Power Station
No. of Hand Sanitizer	Around 1000 bottles (200 ml each).

## Pictorial Evidence









North-West Power Generation Company Ltd. (NWPGL)  
Sirajganj Power Station  
Soydabad, Sirajganj

**Community Development Programme**

Date: 20.04.2020

Title	<b>Relief distribution to unprivileged local community during COVID-19 pandemic</b>
Organizer	<b>Sirajganj Power Station, NWPGL, Soydabad, Sirajganj</b>
Time	10.00 AM-05.00 PM
Venue	District Commissioner's office of Sirajganj Sadar
Participants	Local Community beside Sirajganj Power Station
No. of Relief Bags	700 bags (Each bag contained rice (10 kg), pulse (2 kg), potato (3 kg), salt (1 kg), soyabean oil (1 L), Onion (1 kg) and soap (2pcs.))

Pictorial Evidence







North-West Power Generation Company Ltd. (NWPGL)  
 Sirajganj Power Station  
 Soydabad, Sirajganj

**Community Development Programme**

Date: 28.07.2020 & 29.07.2020

Title	<b>Relief distribution to flood affected people</b>
Organizer	<b>Sirajganj Power Station, NWPGL, Soydabad, Sirajganj.</b>
Time	10.00 AM-04.00 PM
Venue	Pach Thakuri Village of Sadar Upazilla and Bir Shuvogacha & Dakkhin Burundi Villages of Kazipur Upazilla, Sirajganj.
Participants	Local Community beside Sirajganj Power Station and given venue's people
No. of Relief Bags	1000 bags (Each bag contained rice (10 kg), pulse (2 kg), potato (3 kg), salt (1 kg), soyabean oil (1 L), Onion (1 kg), sugar (1 kg), powder milk (500 g), Molasses (1 kg), Chira (3 kg), Shemai (3 Packets), Saline (1 box or 20 pcs.) and soap (5 pcs.)).

## Pictorial Evidence





29.07.2020



29.07.2020



29.07.2020



29.07.2020



29.07.2020

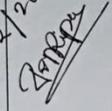


29.07.2020



## **ANNEX-D: Scan Copy of GRM Book**

**NORTH-WEST POWER GENERATION COMPANY LIMITED**  
**SIRAJGANJ 225 MW COMBINED CYCLE POWER PLANT (2<sup>ND</sup> & 3<sup>RD</sup> UNIT)**  
**GRIEVANCE REGISTER**

SL. No.	Date of Receipt	Particulars of Complaint				Particulars of Grievance			Date of acknowledgement/redress
		Name	Address	Landline/Mobile	Whether acknowledgement given at time of receipt	Subject of the Grievance	Office	Brief Description	
					No Grievance is found 23/02/2020 				

**NORTH-WEST POWER GENERATION COMPANY LIMITED**  
**SIRAJGANJ 225 MW COMBINED CYCLE POWER PLANT (2<sup>ND</sup> & 3<sup>RD</sup> UNIT)**  
**GRIEVANCE REGISTER**

Sl. No.	Date of Receipt	Particulars of Complaint				Particulars of Grievance			
		Name	Address	Landline/ Mobile	Whether acknowledgement given at time of receipt	Subject of the Grievance	Office	Brief Description	Date of acknowledgement/ redress

*No Grievance is found*  
*19/03/2020*  
*[Signature]*

**NORTH-WEST POWER GENERATION COMPANY LIMITED**  
**SIRAJGANJ 225 MW COMBINED CYCLE POWER PLANT (2<sup>ND</sup> & 3<sup>RD</sup> UNIT)**  
**GRIEVANCE REGISTER**

SL. No.	Date of Receipt	Particulars of Complaint				Particulars of Grievance			
		Name	Address	Landline/ Mobile	Whether acknowledgement given at time of receipt	Subject of the Grievance	Office	Brief Description	Date of acknowledgement/ redress
					No grievance is found 20/04/2020 <del>20/04/2020</del>				

**NORTH-WEST POWER GENERATION COMPANY LIMITED**  
**SIRAJGANJ 225 MW COMBINED CYCLE POWER PLANT (2<sup>ND</sup> & 3<sup>RD</sup> UNIT)**  
**GRIEVANCE REGISTER**

Sl. No.	Date of Receipt	Particulars of Complaint				Particulars of Grievance			
		Name	Address	Landline/ Mobile	Whether acknowledgement given at time of receipt	Subject of the Grievance	Office	Brief Description	Date of acknowledgement/redress
					No grievance is found 18/05/2020 Z. R. B. P.				

**NORTH-WEST POWER GENERATION COMPANY LIMITED  
SIRAJGANJ POWER STATION (UNIT-1, 2 & 3)  
GRIEVANCE REGISTER**

SL No.	Date of Receipt	Particulars of Complaint				Particulars of Grievance			
		Name	Address	Landline /Mobile	Whether acknowledgement given at the time of receipt	Subject of the Grievance	Office	Brief Description	Date of Acknowledgement/redress
					No grievance is found 27/06/2020 <i>[Signature]</i>				

**NORTH-WEST POWER GENERATION COMPANY LIMITED  
SIRAJGANJ POWER STATION (UNIT-1, 2 & 3)  
GRIEVANCE REGISTER**

SL No.	Date of Receipt	Particulars of Complaint				Particulars of Grievance			
		Name	Address	Landline /Mobile	Whether acknowledgement given at the time of receipt	Subject of the Grievance	Office	Brief Description	Date of Acknowledgement/redress
					<p><i>No grievance is found</i></p> <p><i>23/07/2020</i></p> <p><i>[Signature]</i></p>				

**NORTH-WEST POWER GENERATION COMPANY LIMITED  
SIRAJGANJ POWER STATION (UNIT-1, 2 & 3)  
GRIEVANCE REGISTER**

SL No.	Date of Receipt	Particulars of Complaint				Particulars of Grievance			
		Name	Address	Landline /Mobile	Whether acknowledgement given at the time of receipt	Subject of the Grievance	Office	Brief Description	Date of Acknowledgement/redress
					<i>No grievance is found 29/08/2020 [Signature]</i>				

**NORTH-WEST POWER GENERATION COMPANY LIMITED  
SIRAJGANJ POWER STATION (UNIT-1, 2 & 3)  
GRIEVANCE REGISTER**

SL No.	Date of Receipt	Particulars of Complaint				Particulars of Grievance			
		Name	Address	Landline /Mobile	Whether acknowledgment given at the time of receipt	Subject of the Grievance	Office	Brief Description	Date of Acknowledgement/redress

*No grievance is found  
29/09/2020  
[Signature]*

**NORTH-WEST POWER GENERATION COMPANY LIMITED  
SIRAJGANJ POWER STATION (UNIT-1, 2 & 3)  
GRIEVANCE REGISTER**

SL No.	Date of Receipt	Particulars of Complaint				Particulars of Grievance			
		Name	Address	Landline /Mobile	Whether acknowledgement given at the time of receipt	Subject of the Grievance	Office	Brief Description	Date of Acknowledgement/redress

*No grievance is found  
29/10/2020  
A. Ripes*



**NORTH-WEST POWER GENERATION COMPANY LIMITED  
SIRAJGANJ POWER STATION (UNIT-1, 2 & 3)  
GRIEVANCE REGISTER**

SL No.	Date of Receipt	Particulars of Complaint				Particulars of Grievance			
		Name	Address	Landline /Mobile	Whether acknowledgement given at the time of receipt	Subject of the Grievance	Office	Brief Description	Date of Acknowledgement/redress
					<i>No grievance is found 30/11/2020 R. K. Singh</i>				

**NORTH-WEST POWER GENERATION COMPANY LIMITED  
SIRAJGANJ POWER STATION (UNIT-1, 2 & 3)  
GRIEVANCE REGISTER**

SL No.	Date of Receipt	Particulars of Complaint				Particulars of Grievance			
		Name	Address	Landline /Mobile	Whether acknowledgement given at the time of receipt	Subject of the Grievance	Office	Brief Description	Date of Acknowledgement/redress
					<i>No grievance is found 31/12/2020 R. R. Ripu</i>				

# ANNEX-E: Updated Fire License

অনিবেশ ০০৩  
প্রথম সংস্করণ ২০১২

**ফায়ার লাইসেন্স**

লাইসেন্স নম্বর: **ঢি ডি - রা ৩ - ০৭২৪ - ২০২৭ - ২০২৮**

এতদ্বারা অগ্নি প্রতিরোধ ও নির্বাণ আইন ২০০৩ এর ৪ ধারা অনুযায়ী এবং উল্লেখিত শর্তাবলী সাপেক্ষে ফায়ার লাইসেন্স ইস্যু করা হইল।

১। মালগুদাম/কারখানার মালিক/ব্যবহারকারী/কর্তৃপক্ষের নাম, পদবী ও ঠিকানাঃ

প্রতিষ্ঠানের নামঃ সিরাজগঞ্জ-২২৫মেগাওয়াট কম্বাইন্ড সাইকেল বিদ্যুৎ কেন্দ্র(১ম,২য় ও ৩য় ইউনিট)

মালিকের নামঃ প্লাস্ট ম্যানেজার (প্রধান প্রকৌশলী), গ্রামঃ বড় শিমুল, সয়দাবাদ

ঢাকা রোড, সদর, সিরাজগঞ্জ।

ফোনঃ ..... ফ্যাক্স ..... ই-মেইলঃ .....

২। মালগুদাম/কারখানার অবস্থানঃ (ক) প্লট নং/হোল্ডিং নং .....

(খ) দাগ নং ..... (গ) খতিয়ান নং ..... (ঘ) জে এল নং .....

(ঙ) মৌজা ..... (চ) রোড নং ..... (ছ) ডাকঘর .....

(জ) থানা ..... (বা) উপজেলা ..... (এং) জেলা .....  
সদর সিরাজগঞ্জ

৩। ভবনের ব্যবহার শ্রেণীঃ .....

৪। ভবনের নির্মাণ শ্রেণী ও পরিমাপঃ

শ্রেণী-১	শ্রেণী-২	শ্রেণী-৩	দৈর্ঘ্য	প্রস্থ	উচ্চতা	মোট মেবোর ক্ষেত্রফল (বর্গ মিটার)

**৫। দাখ্য বস্তুর নাম ও মজুদ পরিমাণ :**

**কাঠজাত দ্রব্য**

**৬। ব্যবসার ধরন :**

**বিদ্যুৎ উৎপাদন কেন্দ্র**

**৭। অগ্নি ঝুিকির মাত্রা : (ক) হালকা-১ (খ) হালকা-২ (গ) সাধারণ-১ (ঘ) সাধারণ-২ (ঙ) সাধারণ-৩ (চ) অতিমাত্রা**

**৮। অগ্নি ঝুিকির শ্রেণীবিন্যাস (মোট ফ্লোর এরিয়ার আনুপাত ভিত্তিতে) :**

A.....%, B.....%, C.....%,  
D.....%, K.....%

**প্রতিষ্ঠানের জন্য ০১/০৭/২০১৭ খ্রিঃ হইতে ৩০/০৬/২০১৮ খ্রিঃ পর্যন্ত বার্ষিক লাইসেন্স মাসুল = ১৫৫২/- টাকা নির্ধারণ করা হইল এবং ০৩/০৫/২০১৮ খ্রিঃ হইতে ৩০/০৬/২০১৮ খ্রিঃ পর্যন্ত মোট = ১৫৫২/- টাকা লাইসেন্স মাসুল বাবদ পাওয়া গেল।**

**উপ-পরিচালক/সহকারী পরিচালক উপ-সহকারী পরিচালক**

**ফায়ার সার্ভিস ও সিভিল ডিফেন্স**

**উপ-পরিচালক**  
**ফায়ার সার্ভিস ও সিভিল ডিফেন্স**  
**রাজশাহী বিভাগ, রাজশাহী।**

**লাইসেন্সের শর্তাবলী**

- (১) প্রতি বছর ৩০ জুনের মধ্যে এই লাইসেন্সের অনুকূলে মাসুলের টাকা অগ্রিম লাইসেন্স ফি হিসাবে পরিশোধ করিতে হইবে।
- (২) এই লাইসেন্স হস্তান্তরযোগ্য নহে এবং কেবলমাত্র ক্রমিক ২ এ উল্লেখিত অবস্থানের জন্যই প্রযোজ্য হইবে।
- (৩) লাইসেন্সের শর্তাবলী যথাযথভাবে পালিত হইতেছে কিনা তাহা যাচাই করার জন্য অধিদপ্তরের ক্ষমতাপ্রাপ্ত কর্মকর্তা যে কোন কার্য দিবসে গুদাম বা কারখানা পরিদর্শন করিতে পারিবেন এবং পরিদর্শনকালে সংশ্লিষ্ট কর্তৃপক্ষ ইস্যুকৃত ফায়ার লাইসেন্সটি এদর্শন করিতে বাধ্য থাকিবেন।
- (৪) সার্বিক অগ্নি নিরাপত্তা ব্যবস্থা বাংলাদেশ ন্যাশনাল বিল্ডিং কোড ও অগ্নি প্রতিরোধ ও নিবারণ আইন ২০০৩ এবং সংশ্লিষ্ট বিধির ভিত্তিতে নিশ্চিত করিতে হইবে।
- (৫) অগ্নি প্রতিরোধ ও নিবারণ আইন ২০০৩ মোতাবেক লাইসেন্সের শর্ত ভঙ্গ করিলে শাস্তিযোগ্য অপরাধ হিসাবে গণ্য হইবে।

তারিখ	চালান নং	মাণ্ডলের পরিমাণ	অর্থ বছর (১ জুলাই-৩০ জুন)	নবায়নকারীর স্বাক্ষর ও নামাঙ্কিত সীল
০৬/০৫/১৮	২৫৬ ২৬০	২১৫৫২৮ ৩৮২=২৬৬৮	২০১৭-২০১৮	
০৯/০৯/১৮	২২৯ ২৬০	২৫৫২৮ ৩৮২=২৬৬৮	২০১৬-২০১৭	মোঃ রবিউল আওয়াল ওয়ারহাউজ ইন্সপেক্টর
২৫/৫/১৯	৫২৬ ৩৮১-৫১৯	২৫৫২৮ ২৬৬৮	২০১৯-২০২০	কারার সার্ভিস ও সিভিল ডিফেন্স সিরাাজগঞ্জ
২৬/৫/২০ ২৯/০৫/২০১৯	৬২৬ ৬২৮	২৫৫২৮ ২৬৬৮	২০২০-২১ ২১/৭/২০	মোঃ রবিউল আওয়াল ওয়ারহাউজ ইন্সপেক্টর কারার সার্ভিস ও সিভিল ডিফেন্স সিরাাজগঞ্জ



# ANNEX–F: First Aid Training



North-West Power Generation Company Ltd. (NWPGCL)  
Sirajganj 225 MW Combined Cycle Power Plant (Dual Fuel-2nd Unit)  
Soydabad, Sirajganj

## Training on First Aid

Date: 08.09.2020

Trainer	Dr. Md. Golam Kibria
Time	02:20-03:40 PM & 03:50-05:10 PM
Venue	Zoom Meeting
Participants	All employee of Sirajganj Power Station
Training Session	<ol style="list-style-type: none"><li>i. Discussion on First aid and importance</li><li>ii. Use of First aid Kit</li><li>iii. Question &amp; Answer</li></ol>
Discussion issue	<ol style="list-style-type: none"><li>1. Definition of first aid</li><li>2. Emergency needs</li><li>3. Incident in power plant</li><li>4. First aid after attack<ol style="list-style-type: none"><li>i. Unconsciousness</li><li>ii. Heat stroke</li><li>iii. Burns</li><li>iv. Wounds, Cut injury, Accident Injury</li><li>v. Electric Shock</li><li>vi. Snake bite/Dog bite/Insects bite</li><li>vii. Chemicals burn of eye</li><li>viii. Fracture</li></ol></li><li>5. First aid Items on First Aid Kits</li><li>6. Use of First aid items</li></ol>

### Attachment:

Attendance Sheet

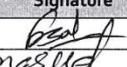
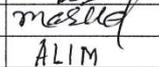
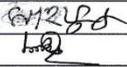
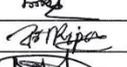
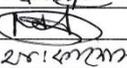
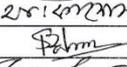
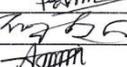
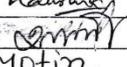
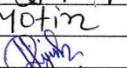
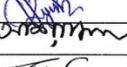
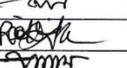
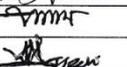
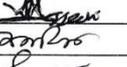
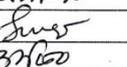
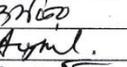
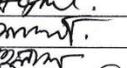
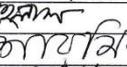
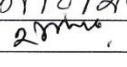
## Attendance Sheet

	<b>NORTH-WEST POWER GENERATION COMPANY LIMITED</b> Training Attendance Sheet	FORM NO: NW-DH-HR-F-005 EFFECTIVE DATE: 21.04.2018 REVISION NO: 00
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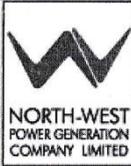
Location: Sirajganj Power Station

Organizer Department	: HR
Course Name and ID	: Primary Management of Incident/Accident (First Aid)
Date	: 08/09/2020
Duration	: 02:20 pm to 03:40 pm & 03:50 pm to 05:10 pm
Total Man Hour	: $2.66 \times 28 = 74.48$
Facilitator	: জনাব ডা. গোলাম কিবরিয়া, মেডিকেল অফিসার

**Office: Office of the Chief Engineer (Sirajganj Power Station)**

Sl. No.	Name of the Participants	Designation and Department/Office	Participant's Signature
1.	MD. Atiqul Kabir Bysal	Medical Assistant	
2.	MD. Masud Rana	DRIVER	
3.	MD. Abdul ALIM	DRIVER	ALIM
4.	Mohfuz Ahmed	DRIVER	
5.	MD. Jahedul Islam	SO	
6.	Romana Sultana	JAM (EHS)	
7.	MD. Mahabubur Rahman	AA	
8.	MD. Abul Karim	JAM (ASP)	
9.	MD. Suman Rahman	SA	
10.	MD. Emrul Haque	C/O	
11.	MD. Abdul Bari	SAE	
12.	Mashour Mahmud Khan	AM (EHS)	
13.	<del>MD. ...</del>	<del>DRIVER</del>	<del>...</del>
14.	MD. Abdul Motin	WIA	MOTIN
15.	Pijush Bhattacharjee	SDE	
16.	MD. Ashadul Haque	see; auel;	
17.	MD. Abur Rahman	SS	
18.	MD. Roqayyeh Islam	SA	
19.	MD. ALAM HOSSAIN	SA	
20.	MD. AKTER HOSSAIN	SS	
21.	MD. Shafiqul	SA	
22.	MD. Saheel Rana	SA	
23.	MD. Rakib	SA	
24.	MD. Aynal Haque	SA	
25.	MD. Shamim	SA	
26.	MD. Helal	SA	
27.	কার্যনির্বাহী (সি.এ.ও.)	কার্যনির্বাহী (সি.এ.ও.)	কার্যনির্বাহী
28.	স্বাক্ষর	স্বাক্ষর	স্বাক্ষর

Signature of facilitator:   
 Date: 08.09.2020



**NORTH-WEST POWER GENERATION  
COMPANY LIMITED**

FORM NO: NW-DH-HR-F-005  
EFFECTIVE DATE: 21.04.2018  
REVISION NO: 00

Training Attendance Sheet

Location: Sirajganj Power Station

Organizer Department	: HR
Course Name and ID	: Primary Management of Incident/Accident (First Aid)
Date	: 08/09/2020
Duration	: 02:20 pm to 03:40 pm & 03:50 pm to 05:10 pm
Total Man Hour	: $2.66 \times 19 = 50.54$
Facilitator	: জনাব ডা. গোলাম কিবরিয়া, মেডিকেল অফিসার

**Office: Sirajganj 225 M.W. Combined Cycle Power Plant (Unit-1)**

Sl. No.	Name of the Participants	Designation and Department/Office	Participant's Signature
1.	Md. Masud Rana	SAE (Operation)	
2.	Imran Hossain	SAE (Operation)	
3.	Parvez Hossain	SAE (Operation)	
4.	Md. Shamsur Rahman PK	SDE (Operation)	
5.	Imran Bahar	AE (OP.)	
6.	Al Amin	SAE (MMD)	
7.	Ishrat Ismail	AE (EMD)	
8.	Md. Shikhatul Islam	SAE (EMD)	
9.	Towkir Ahmad	AE (MMD)	
10.	Md. Rowshan Habib	SAE (MMD)	
11.	Amrul Islam	SDE (IVU)	
12.	Abdullah Al Mamun	SDE, MMD, U-1	
13.	Md. Rashidul Alam	A/A	
14.	Md. Saikat Islam	SDE (EMD)	
15.	Md. Anisuzzaman Islam Mondal	C/O	
16.	Sharif Ahmed	O/A	
17.	Md. Nahid Mia	JAM (Admin)	
18.	Md. Pulkit Amin	OS.S	
19.	Foyzal	(ATT)	
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			

Signature of facilitator:   
Date: 08.09.2020



**NORTH-WEST POWER GENERATION  
COMPANY LIMITED**

FORM NO: NW-DH-HR-F-005  
EFFECTIVE DATE: 21.04.2018  
REVISION NO: 00

Training Attendance Sheet

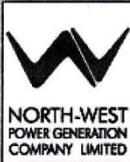
Location: Sirajganj Power Station

Organizer Department	: HR
Course Name and ID	: Primary Management of Incident/Accident (First Aid)
Date	: 08/09/2020
Duration	: 02:20 pm to 03:40 pm & 03:50 pm to 05:10 pm
Total Man Hour	: $20 \times 2.66 = 53.20$
Facilitator	: জনাব ডা. গোলাম কিবরিয়া, মেডিকেল অফিসার

**Office: Sirajganj 225 M.W. Combined Cycle Power Plant (Unit-2)**

Sl. No.	Name of the Participants	Designation and Department/Office	Participant's Signature
1.	শ্রী কামাল হোসেন	সিটি এনালিস্ট	শ্রী কামাল
2.	Fazlul Ahsan	SDE (PM office)	Fazlul
3.	Prof. Nurun Nisrin Siddiq	ATTENDANT	Prof. Nurun
4.	TRJRU/L	Driver	TRJRU/L
5.	Abdul Kader Miah	Instrument mechanic	Abdul Kader
6.	K. Akbarul Haque	AE	K. Akbarul
7.	Sonkoton Barua	AE	Sonkoton
8.	Muhammed Anisur Rahman	Xen (I & C)	Muhammed
9.	Tanvirul Rahman	AE (I & C)	Tanvirul
10.	Md Nahid Hasan	W/A - EMD	Nahid
11.	Md. Arifat Hossain	Electrician	Arifat
12.	Md. Shariful Islam	SAE MMD	Shariful
13.	Md. Meftah Uddin	AE, MMD	Meftah
14.	Md. Saadul Karim (H/O-1)	W/A	Saadul
15.	Md. Rezaul Karim	Instrument mechanic - 02	Rezaul
16.	Mohammad Anisur Rahman	O/A	Anisur
17.	Nasir Ismail Khan	JLM (Admin)	Nasir
18.	Md. Mizanur Rahman	SAE (operation)	Mizanur
19.	Md. Beal Hossain	SAE (OP)	Beal
20.	MP. Aziz Hosen	O. S. S (OP)	Aziz
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			

Signature of facilitator:   
Date: 08.09.2020



**NORTH-WEST POWER GENERATION  
COMPANY LIMITED**

FORM NO: NW-DH-HR-F-005  
EFFECTIVE DATE: 21.04.2018  
REVISION NO: 00

Training Attendance Sheet

Location: Sirajganj Power Station

Organizer Department	: HR
Course Name and ID	: Primary Management of Incident/Accident (First Aid)
Date	: 08/09/2020
Duration	: 02:20 pm to 03:40 pm & 03:50 pm to 05:10 pm
Total Man Hour	: $20 \times 2.66 = 53.2$
Facilitator	: জনাব ডা. গোলাম কিবরিয়া, মেডিকেল অফিসার

**Office: Sirajganj 225 M.W. Combined Cycle Power Plant (Unit-3)**

Sl. No.	Name of the Participants	Designation and Department/Office	Participant's Signature
1.	✓ MD TOZAM MOLLA	DRIVER UNIT 3	
2.	✓ Md. Atiqul Rahman	DRIVER -	
3.	✓ Md. Abul Hasan	DM (AKF)	
4.	✓ Md. Mancef Hossain	WA	
5.	✓ Mohammad Alamgir Miah	JAM (Admin)	
6.	✓ Mohammad Shahidul Alam	AM (Admin)	
7.	✓ <del>Nisarat Jahan</del>	<del>Computer Operator</del>	<del>Nisarat</del>
8.	✓ MD. Mousud Jabbar	O.S.S	
9.	✓ Md. Abdul Hye	GOE (EMD)	
10.	✓ Rachel Mia	SAE (EMD)	
11.	✓ Shahad Bin Alamgir	AE (EMD)	
12.	✓ Shikhir Bordbar	AE (IG)	
13.	✓ MD. Ripon Ali	Instrument Mechanic	
14.	✓ Md. Sali Miah	Fore man EMD-03	
15.	✓ Md. Rahman Uddin Chowdhury	Electrician	
16.	✓ <del>Orfi</del>	<del>O.S.S</del>	<del>Orfi</del>
17.	✓ Md. Tahamid Hossain	Driver	
18.	✓ Md. Nizamur Rehman	X-EN (MMD)	
19.	✓ Md. Sayed Shamim	Assistant Engineer	
20.	✓ Sabbir Ahmed	AE (Oph)	
21.	✓ <del>Intam</del>	<del>CEO</del>	<del>Intam</del>
22.			
23.			
24.			
25.			
26.			
27.			
28.			

Signature of facilitator:   
Date: 08.09.2020

# ANNEX-G: Greenhouse Gas Emissions

## Green House gas Emission Report for Operational Phase of Sirajganj 225 MW CCPP (Duel Fuel- 2nd Unit)

[01 February-2020 to 31 January-2021]

The Kyoto Protocol – United Nations Framework Convention on Climate Change nominates the following GHGs:

- Carbon dioxide (CO<sub>2</sub>);
- Methane (CH<sub>4</sub>);
- Nitrous Oxide (N<sub>2</sub>O);
- Hydro fluorocarbons (HFCs); and
- Per fluorocarbons (PFCs).

Inventories of GHG emissions can be calculated using published emission factors. Different gases have different greenhouse warming effects (referred to as warming potentials) and emission factors take into account the global warming potentials of the gases created during combustion. Typically, greenhouse gas emissions are reported in units of carbon dioxide equivalent (CO<sub>2</sub>e). Gases are converted to CO<sub>2</sub>e by multiplying by the gas global warming potential (GWP). The GWP of gases are as follows<sup>2</sup>:

- GWP for CO<sub>2</sub> = 1
- GWP for CH<sub>4</sub> = 21
- GWP for N<sub>2</sub>O = 310

When the global warming potentials are applied to the estimated emissions then the resulting estimate is referred in terms of CO<sub>2</sub>-equivalent (CO<sub>2</sub>e) emissions.

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<sup>2</sup>Source: Intergovernmental Panel on Climate Change (IPCC) (1995), Second Assessment Report

The combustion of natural gas produces GHGs. The amount of GHGs emitted by a power plant is a measure of its contribution to global warming and can be estimated based on fuel consumption. In order to estimate GHG emissions, the IFC recommended Carbon Emission Estimation Tool (CEET model – Version February 2014)<sup>3</sup> has been used as set out below.

Data from:

1. Net Heat rate: Gas: 8249.73 KJ/KWH (considering HHV)
2. HSD: N/A
3. Gross Generation: 228500 KW (for Gas and HSD)
4. Operating Days: 230.51 days (for Gas), 0 days (for HSD)
5. Daily Operating hour: 24 hrs (As per NLDC demand)
6. Power Produced: 965.61 GWh

### GHG Emission data:

SL#	Particular	Value		Unit
		Gas	HSD	
A.	Net Heat Rate (Combined Cycle)	8249.73	-	KJ/KWH
B.	Gross Generation Capacity (Combined Cycle)	228500	-	KW
C.	Operating Days	230.51	-	days
D.	Daily Operating Hours	24	-	Hours/day
E.	Total Annual Output(= B x C x D)	1,264,116,840	-	KWH
F.	Annual Fuel Consumption (= E x A)	10,428,622,618,453.2	-	KJ
		10428.622	-	TJ
G.	Annual GHG Emission	595,253		tCO2e/year

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<sup>3</sup>[http://www.ifc.org/wps/wcm/connect/Topics\\_Ext\\_Content/IFC\\_External\\_Corporate\\_Site/CB\\_Home/Measuring+Reporting/](http://www.ifc.org/wps/wcm/connect/Topics_Ext_Content/IFC_External_Corporate_Site/CB_Home/Measuring+Reporting/)

# **ANNEX-H: Updated ESAP & CS**

S. No.	Elements	Gaps	Recommendation	Timeline	Deliverables	Frequency	Responsibility	Status upto Feb 2018	Status upto Jan 2019	Status upto Jan, 2020	Status upto Jan 2021
1	Environment and Social Management System (ESMS) and Policy	A formal EHS and Social policy at company level and dedicated ESMS for the Sirajganj complex has not been formulated by NWPGL.	(a) Formulate a company level Environment, Health & Safety and Social policy statement duly endorsed by senior management of NWPGL and communicated.	CP to first utilization	EHSS Policy by senior management	One time	NWPGL Management	It has already been done before Financial Closing	Done	Done	Done
			(b) Submission of annual compliance certificate	Continuous Monitoring	Annual Compliance Certificate	Annual	NWPGL Management	Submitted to SCB on February 2017 & November 2017	Continuous ANNEX J	Annex J	Annex J
			(c) Develop an Environment and Social Management System for whole site (considering operational Unit 1, proposed Unit 2 and other Planned Units). This should also include Stakeholder engagement plan, supply chain and grievance redress procedure. ESMS should also have elements pertaining to human resources management for direct and indirect employees for the project life cycle.	CP to first utilization	ESMS with all the procedures to the satisfaction of E&S Advisor of the investor (s)	One time	NWPGL Management/ Consultant appointed by NWPGL Management	It has already been done before Financial Closing	Done	Done	Done
			(d) Legal Register to be developed for the entire Sirajganj Complex (as part of ESMS)	CP to first utilization	Legal Register is a part of the ESMS being developed	One time	NWPGL Management/ Consultant appointed by NWPGL Management	It has already been done before Financial Closing	Done	Done	Done
			(d) Organisation structure to include deployment of dedicated EHS and Social officer during the construction and operation phase. The compliance requirements to HR policies and procedures to be part of contract documents of contractor including compliance with accommodation standards.	CP to first utilization	Organogram for EHS & Social Management before contract sign with formal consent of EPC Contractor	One time	NWPGL Management	It has already been done before Financial Closing	Done	Done	Done
			(e) Procedure for monitoring, review and reporting to be developed.	CP to first utilization	Procedure development  Implementation is continuous	Monthly Internal Audits	NWPGL Management	It has already been done before Financial Closing	Done	Done	Done
			(f) GHG emissions disclosure	Continuous Monitoring	Report GHG emissions from the facility	Annual	NWPGL Management	NWPGL declare possible GHG emission during operational phase in ESIA report.	Submitted in AMR ( Jan 2019) and ANNEX G	Submitted in AMR ( Jan 2020) and ANNEX G	Submitted in AMR(Jan, 2021) & Annex G
			(g) Engage a suitably qualified independent consultant to help develop and implement the ESMS.	CP to first utilization	Appointment letter of consultant	One time	NWPGL Management	It has already been done before Financial Closing	Done	Done	Done

2	Identification of Risks and Impacts	ESIA Report needs to be updated to incorporate the following elements - HAZOP for plant equipments and utilities - Job Safety Analysis and Risk assessment - Social Baseline information - Updation of baseline and impacts of Jetty on Jamuna Eco Park	(a) Obtain prior permission from the Bangladesh Bridge authority before starting any up gradation works of Jetty.	CS	Before jetty upgradation	One time	NWPGCL Management	Done at August 2016 and document has been shared with SCB	Done	Done	Done
			(b) The baseline conditions updation for of the Jamuna Eco Park, social baseline with land use map of the project site covering 5 km around the site.	CP prior to first utilization	Updated ESIA Report	One time	NWPGCL Management / EAL engaged by NWPGCL Management	It has already been done before Financial Closing	Done	Done	Done
			(c) HAZOP for plant equipment and utilities to be included	CP prior to first utilization	HAZOP - will be a part of updated ESIA	One time	NWPGCL Management / EAL engaged by NWPGCL Management	It has already been done before Financial Closing	Done	Done	Done
			(d) Job Safety Analysis and Risk assessment procedure to be included	CP to first utilization	JSA/HIRA for plant to be covered in the updated ESIA	One time	NWPGCL Management / EAL engaged by NWPGCL Management	It has already been done before Financial Closing	Done	Done	Done
			(e) ESIA to include air quality dispersion modelling and water balance (considering emissions from Sirajganj 1 and 2)	CP prior to first utilization	Updated ESIA Report	One time	NWPGCL Management / EAL engaged by NWPGCL Management	It has already been done before Financial Closing	Done	Done	Done
			(f) ESIA to include Environmental Management Plans for construction and operations phase including the following - - Traffic Safety Management Plan - Security Policy - Construction Labour Management Plan - Stakeholder Engagement Plan	CP prior to first utilization	Updated ESIA Report	One time	NWPGCL Management / EAL engaged by NWPGCL Management	It has already been done before Financial Closing	Done	Done	Done
			(g) Environment and Social Management Plan to be developed based on the risks and impacts for Jetty upgradation	CS	Develop ESMP for within 60 days before Jetty upgradation	One time	NWPGCL Management / EAL engaged by NWPGCL Management	It has been done and report has been shared in June 2016 with SCB	Done	Done	Done

3	Occupational Health and Safety	NWP GCL has not developed occupational health and safety procedures for construction and operation phase for compliance to legal requirements, IFC performance standards and World Bank EHS and Thermal Power Sector guidelines. Emergency response procedures has not been developed and implemented.	As part of the ESMS develop a comprehensive occupational health and safety procedures in line with applicable regulations and World Bank EHS Guidelines, for operation and construction phase of the project and ensure compliance.	CP to first utilization	Develop procedures in one month and implement throughout the project life cycle  Emergency Preparedness to be developed as a part of the ESMS	One time	NWP GCL Management / Consultant appointed by NWP GCL Management	It has already been done before Financial Closing	Done	Done	Done
4	Environment Management	Environment management procedures for the construction and operation phase have not been developed.	(a) Ensure Contractor formulate an intensive environment monitoring programme during construction and operation phase of the project comprising of frequency of monitoring permitting comparison with the General Worldbank/IFC Environmental, Health and Safety Guidelines und EHS Guidelines for Thermal Power Plants.	CP to first utilization	Develop Procedure and formally communicated and agreed by EPC contractor	One time	NWP GCL	It has already been done before Financial Closing	Done	Done	Done
			(b) Install pollution control facilities during construction and operation phase of the project.	Continuous Monitoring	Implementation during construction and operation phase	Continuous	NWP GCL and Contractor	During Construction phase, all kind of EMP measurement has been taken	Done	Done	Done
			(c) Environmental Monitoring Programme to be developed	CS - 60 days to first utilization	Development of environmental monitoring plan to the satisfaction of the E&S advisor of the investors	One time	NWP GCL and Contractor	CMC has been following Environmental Monitoring Plan as per ESIA report	Now NWP GCL has been following Environmental Monitoring Plan as per ESIA report ( Operational Phase)	Now NWP GCL has been following Environmental Monitoring Plan as per ESIA report ( Operational Phase)	Following Environmental Monitoring Plan as per ESIA report ( Operational Phase)

			(d) Implementation of the programs developed	Continous Monitoring	Implementation during construction and operation phase	Continous	NWPGCL and Contractor	Shared with SCB continuously	AMR, Annual Public and Social Report has been shared with SCB	AMR, Annual Public and Social Report has been shared with SCB	AMR, Annual Public and Social Report has been shared with SCB
			(e ) Identify DoE approved vendors and starts initiate signing an agreement with them for disposal of oily sludge to the vendors.	CS -Within 60 days of first utilization	Contract with the vendors	One time	NWPGCL	Done and shared with SCB on February 2016	Done	Done	Done
			(f) Inventorize hazardous materials to be used during construction and operation of the project.	CS -Within 60 days of first utilization	Inventorisation and risk assessment	One time	NWPGCL	Done and shared with SCB on December 2016	Done	Done	Done
			(f ) Adequate labels, secondary containment and spill response kit should be provided wherever the hazardous material (HAZMAT) is used and workers should be trained to respond to accidental spills and emergencies due to hazardous material.	CP to first utilization	Development of HAZMAT procedure as part of ESMS and implement	One time	NWPGCL	It has already been done before Financial Closing	Done	Done	Done
5	Community Health and Safety	Studies for identification of community health and safety impacts, ensuring infrastructure design and safety and offsite emergency management has not been identified and implemented.	(a) Adequate studies for existing and proposed infrastructure, design and equipments should be undertaken by engaging a third party consultant should be undertaken.	CS - 60 days to first utilization	Infrastructure design and safety report by engaging third party	One time	NWPGCL Management		Done	Done	Done
			(b) Offsite emergency preparedness plan should be developed.	CP to first utilization	Offsite Emergency preparedness and response plan to the satisfaction of Investor E&S Advisor	One time	NWPGCL Management	It has already been done before Financial Closing	Done	Done	Done
			(c ) Assist and collaborate with the potentially affected Communities (see Performance Standard 4) and the local government agencies in their preparations to respond effectively to emergency situations.	Continous Monitoring		Annual	NWPGCL Management	Done	Continuous ANNEX B	Annex B	Annex B
			(d) Document emergency preparedness and response activities, resources, and responsibilities, and should provide appropriate information to potentially affected Community and relevant government agencies.	Continous Monitoring	Emergency preparedness and response Plan and its implementation to the satisfaction of Investor E&S Advisor	Continous	NWPGCL Management	Done	Continuous ANNEX B	Annex B	Annex B



# **ANNEX-I: Development Effectiveness Indicators**



Memo No. 27.28.0000.301.99.001.20.243

Date: 22/09/2020

**Sirajganj 225 MW Combined Cycle Power Plant Project (2<sup>nd</sup> Unit- Dual Fuel)**  
**Development Effectiveness Indicators**

**Section One: General Indicators**

Key Impact Area	Result	Indicator	Status
Financial Performance	Return to all capital Providers	Financial rate of return	2.56% (From July, 2019 to June, 2020)
Economic Performance	Employment	Percentage of Female Employment (%)	Female Employee: 36 Percentage: 4.33% (Up to June, 2020)
	Employment	Temporary jobs during construction; permanent jobs	Total Employee: 830 Permanent Employee: 760 Temporary Employee: 70 (Up to June, 2020)
	Contribution to government	Taxes and Fees (US\$/year)	USD 4,150,441 (From July, 2019 to June, 2020)
Environmental and Social Performance	Improved E&S conditions	E&S Management Systems: (y/n)	Yes
Private Sector Development	Supports for domestic businesses	Purchases from domestic suppliers (US\$/year)	USD 27,502,134 (From July, 2019 to June, 2020)

**Definitions**

**Taxes and Fees:** All transfers to all levels of the government made by the Project Enterprise or its parent on its behalf, including: income or profit taxes, sales, and excise taxes, and VAT receipts. Other payments collected by the government include royalties, bonuses, dividends, management/concession fees, share of profit, licensing, permitting, etc. Specific subsidies to the Project Enterprise should be deducted.

**E&S Management Systems:** The indicator refers to the Project Enterprise's E&S Management System ("ESMS") and tracks whether the Project Enterprise is compliant with MIGA's Performance Standard 1 and has an ESMS active and in place.

Purchases from domestic suppliers: The annual purchase of goods and services of the Project Enterprise from local suppliers (including raw materials, civil works, engineering and installation, security, gardening, cleaning, and marketing and research from local companies). This will exclude utility bills, government-provided services and imports handled through a local facilitating agent.

Direct Employment: Total number of employees working directly for the Project Enterprise as of the end of its fiscal year. The unit of account is a permanent full-time equivalent paid job. To be treated as permanent, the job should have a life expectancy of at least one year at the time of forecast. Part-time jobs are converted to full-time equivalent jobs on a pro rata basis with anything over 30 hours/week treated as full time. If the information is not available the rule-of-thumb is two part-time jobs equal a full-time job. Seasonal jobs are incidental to the operation. However, if the Investment Project relies heavily on seasonal jobs, as in the tourism sector for example, they should be included on a pro rata basis, a 3-month job becoming 0.25 of a full-time equivalent job (i.e., 4 jobs for 3 months equals one job on an annual basis).

Female Employment: Total female employment as a percentage of total employees in the Project Enterprise. This is a sub category of employment and so definition of total direct employment as described above should be used in this calculation. Subcontractor employment should not be reported.

**Section Two: Sector - Specific Indicators**

Power Produced	691.821 GWhs (July, 2019 to June, 2020)
Improved Occupational Health and Safety	No Injury
Minimize Green House Gas Emission	4,23,456 tCO <sub>2</sub> equivalent (July, 2019 to June, 2020)
Water efficiency	(During operations, 40,25,763 m <sup>3</sup> consumed/ unit of production for S2&S3) (July, 2019 to June, 2020)

*Mashuda Parvin*  
22.09.2020  
**Mashuda Parvin**  
Manager (EHS)  
NWPGL, Dhaka

*Md. Abdus Samad*  
22.09.2020  
**Md. Abdus Samad**  
Chief Engineer  
Planning and Design, Corporate Office  
NWPGL, Dhaka

## **ANNEX-J: Compliance Certificate**



"শেখ হাসিনার উদ্যোগ, ঘরে ঘরে বিদ্যুৎ"  
নর্থ-ওয়েস্ট পাওয়ার জেনারেশন কোম্পানি লিমিটেড  
NORTH-WEST POWER GENERATION COMPANY LIMITED  
ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified  
(An Enterprise of Bangladesh Power Development Board)  
UTC Building (Level- 4), 8 Parthapath, Kawranbazar, Dhaka- 1215, Bangladesh  
Phone: 9145291-92, 9145427-28 Fax: 9143745, e-mail: info@nwpgcd.gov.bd, web: www.nwpgcd.gov.bd



Memo No. 27.28.0000.300.99.001.21.040

Date: 02/02/2021

### CERTIFICATE OF COMPLIANCE

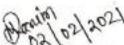
To: Standard Chartered Bank- as Intercreditor Agent

From: North-West Power Generation Company Ltd- as Borrower

Dear Sirs,

**North-West Power Generation Company Limited–Common Terms Agreement dated 27-October, 2015 (the "Common Terms Agreement")**

1. We refer to the Common Terms Agreement. This is a Compliance Certificate. Terms defined in the Common Terms Agreement have the same meaning as used in the Compliance Certificate unless given a different meaning.
2. On the basis of Annual Environmental Audit, Environmental Health and Safety (EHS) condition has been improved. We confirm that EHS condition will be improved continuously in future.

  
(Mashuda Parvin)

Manager (EHS), Corporate Office  
North-West Power Generation Co. Ltd

  
(Md. Abdus Samad)

Chief Engineer  
Planning & Design, Corporate Office  
North-West Power Generation Co. Ltd