


	<p>Summit Meghnaghat Power Company Limited Annual Public Environmental &amp; Social Monitoring Report</p>	
<p>1<sup>st</sup> July'18 – 30<sup>th</sup> June 2019</p>		



## **Annual Public Environmental & Social Monitoring Report**

**Reporting Period: July'2018 – June'2019**



 <b>S U M M I T</b>	<b>Summit Meghnaghat Power Company Limited</b> <b>Annual Public Environmental &amp; Social Monitoring Report</b>	
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## 1.0 Project Status

### 1.1 Project Description:

The Power Project is located at about 3km from the Dhaka-Chittagong Highway to the west, about 28 km south-east of Dhaka and about 16km road distance from Narayanganj river port. Therefore, the power project site can be reached by road from Dhaka or from Narayanganj. Narayanganj is also at close proximity with Dhaka and most readily communicable through inter-district road and railway links.



Pursuant with the Implementation Agreement with the Government of Bangladesh (GOB) and the Power Grid Company of Bangladesh (PGCB), SMPCL had set up a dual fuel (Natural Gas / Liquid Fuel Oil) fired combined cycle power plant (hereinafter called 'Project') at Meghnaghat, Narayanganj in Bangladesh, the capacity of the Project being 335 MW on natural gas and 305 MW on LDO.

### 1.2 Milestone Record:

IA, PPA, GSA, LLA	12 <sup>th</sup> May'2011
FSA & Project effective Date	3 <sup>rd</sup> August'2011
230KV switchyard Charged Date	2 <sup>nd</sup> February'2014
GT-1 First Fire Date	23 <sup>rd</sup> February'2014
Gt-1 First Synchronize to Grid	3 <sup>rd</sup> March'2014
GT-2 First Fire Date	21 <sup>st</sup> March'2014
Gt-2 First Synchronize to Grid	23 <sup>rd</sup> March'2014
Reliability run test of Simple Cycle	21 <sup>st</sup> to 28 <sup>th</sup> May'2014
SC Commercial Operation Date	29 <sup>th</sup> May'2014
CC Commercial Operation Date	1 <sup>st</sup> June'2015
GT First Fire on Natural Gas	11 <sup>th</sup> March'2019

### 1.3 Contact Informations

- i. A.N.M Tariqur Rashid, CEO & DMD, Summit Meghnaghat Power Company Limited.  
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- ii. Md.Reaz Uddin, COO & Director, Summit Meghnaghat Power Company Limited.  
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- iii. Md.Mushfuqur Rahman, DGM, Operaton & Compliance, Summit Meghnaghat Power Company Limited  
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## 2.0 Description of the Environmental Management System

SMPCL has formed a management to achieve the aims of SMPCL EHS policy. Earlier the management system standard of ISO 14001:2004, OSHA 18001:2007 & ISO 9001:2008 have been established and achieved certificates. Later on new version of ISO (14001:2015 and ISO9001:2015) standards have been successfully upgraded, implemented and achieved certificates.

Please see the certificates in the link, [Annexure-1](#)

We recognize that it is important for us to identify and prioritize our significant EHS risks, environmental aspects and safety hazards and to develop programs in order to effectively manage them to the satisfaction of our internal and external stakeholders.



Quarterly Environmental report has been submitted to department of environment as per condition given at environment clearance certificate.

## 2.1 Policy & Procedures

SMPCL Environmental Health & Safety Policy and commitment to maintain compliance prevent pollution and reduce injuries. O&M team, Kepco-KPS follow the EHS policy and procedures which are approved by the board of Director of Summit Meghnaghat Power Company Limited. This policy will be reviewed and revised as per policy time to time or whenever required to comply with the recognized standard for achieving the excellence. Total 17 procedures are approved in EHS category and those are below

1. SMPCL-EHS -001 EHS Policy.
2. SMPCL-EHS -002 Permit to Work.
3. SMPCL-EHS -003 Caustic, Acid & chlorine handling procedure.
4. SMPCL-EHS -004 Emergency response procedure.
5. SMPCL-EHS -005 Electrical Safety Program.
6. SMPCL-EHS -006 First Aid
7. SMPCL-EHS -007 Environmental & Social Management Plan & Procedure
8. SMPCL-EHS -008 Spill Prevention & Response Procedure.
9. SMPCL-EHS -009 Spill & Release Reporting Procedure
10. SMPCL-EHS -010 Waste Management Procedure.
11. SMPCL-EHS -011 Community Development Procedure.
12. SMPCL-EHS -012 Grievance Redress Mechanism Procedure.
13. SMPCL-EHS -013 Noise Exposure Evaluation & Hearing Conservation
14. SMPCL-EHS -014 Compressed Gas Cylinder Management Procedure.
15. SMPCL-EHS-015 Flammable Liquid Handling.
16. SMPCL-EHS -016 Machine Guarding Procedure.
17. SMPCL-EHS -017 Pest Control Procedure.

SMPCL policy to conduct activities in such a way as to take foremost account of the health and safety of ourselves and of other persons and preservation of environment. We will adhere to the highest standards for the safe operation of the plant and protection of ourselves, visitors, contractors, suppliers, contract workers, customers, citizens of the community and the environment in which we do business.

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Inherent in our approach is the commitment to raise awareness of the potential effects of operations of power plant on the health, safety and environment and to ensure that personnel are fully aware of these issues and contribute to their resolution and in instilling responsibility as an intrinsic feature of all its practices and procedures.

We are committed to maintain safe and healthy working conditions to prevent injury and ill health, protection of the environment, equipment and systems of work for all of us including our neighbors', and to provide such information, training, supervision, and allocation of resource as we need for this purpose. We also accept our responsibility for the health and safety of other people who may be affected by our activities along with the environment around us.

These aims will be achieved by:

Complying with applicable local laws, regulations and standards. In absence of appropriate legislation, requirements of corporate and similar industrial good practice, where reasonably pertinent, will be applied;

Communicating openly with employees, contractors, visitors and affected parties to promote a system of enhanced health, safety and environment;

Following a process of risk and impact management that will continuously reduce the health and safety risks and protect the environment associated with the company's business activities;

Monitoring, on a regular basis, the health and safety effects of its activities on employees, and affected parties in the work environment with the view of improving the systems;



Strive to seek opportunities to minimize and/or prevent pollution through the implementation of cost effective new technology and the optimization of existing systems. Ensure safe treatment and disposal of waste.

Implementing health, safety and environment management systems based on ISO and OSHAS standards;

Setting and reviewing of OH&S and environmental objectives and targets, continual improvement and compliance with this policy will be monitored through a process of internal and external auditing and management review.

Quarterly Environmental report was submitted to department of environment as per condition given in environment clearance certificate.

A large Billboard has been constructed at cooling water outfall area to aware of fisherman not to do fishing at certain area where written both in local language and in English with reflective type sticker "Swirling and Heavy current, caused by large volume of flowing water may prove fatal to those who come near to the outfall area. Therefore it is advisable not to go fishing within 80 meter in and around this outfall area.

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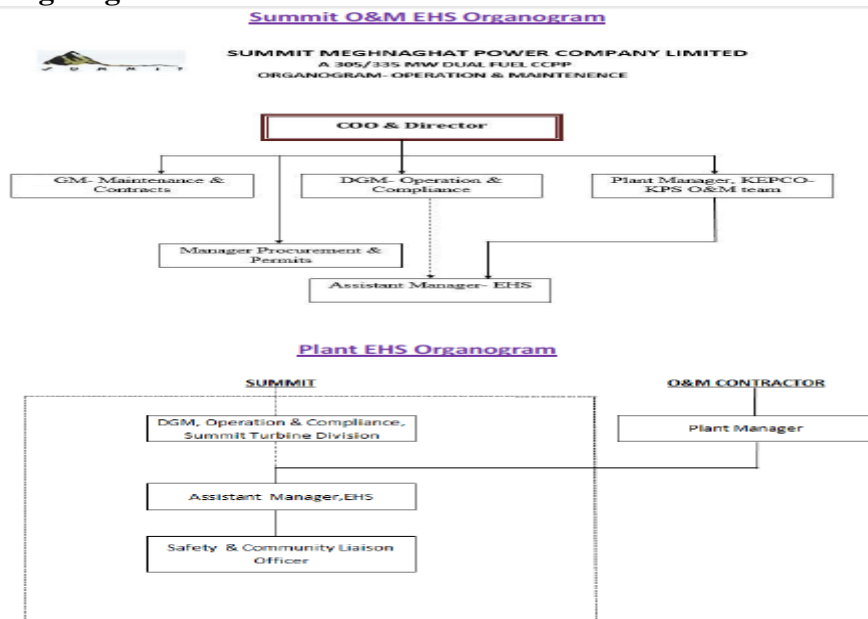
Designated security guard has been deployed with one hand mike to warn surrounding peoples. Railing has been installed in the outfall point to prevent fall. Cooling water outfall temperature is being monitored twice a day.



SMPCL also conducted EHS committee meeting with committee members regarding EHS issues in monthly basis. GRC meeting also conducted as per the schedule. Safety briefing was given to housekeeping contractor to improve awareness level and housekeeping at the site.

## 2.2 Organizational Structure

SMPCL has developed an organizational structure with well-defined roles, responsibilities and authorities. The roles and responsibilities established in SMPCL are assigned in order to facilitate innovation and achieve results by adopting a philosophy of Employee Ownership and Supervisor Accountability. SMPCL has employed a qualified Asst Manager EHS who reports to the plant manager of O&M contractor and DGM of Summit side. One safety and community liaison officer also the member of the plant EHS team. EHS committee has been formed to manage EHS related issues. Monthly EHS meeting has been conducted to address & manage all EHS issues and findings.

### EHS Organogram:



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### **EHS Committee Members**

EHS Committee is headed by Plant Manager, Summit Meghnaghat Power Company Limited and others members are as follows

- Plant Manager.(President)
- DGM-Operation & Compliance, Summit Turbine division. (Member)
- GM-Maintenance & Contracts, Summit Turbine division.(Member)
- General Manager-Operation. (Secretary)
- Asst. Manager-EHS. (Asst. Secretary)
- General Manager-MMD. (Member)
- General Manger-I&C and Electrical. (Member)
- General Manager-A&P.(Member)
- Shift charge Engineers-Operation.(Member)
- Senior Engineer-MMD (Member)
- Senior Engineer-I&C. (Member)
- Senior Engineer-EMD. (Member)
- Officer- Safety & Community liaison (Member)
- Manager- Procurement & Permit.(Member)
- Manager-Accounts.(Member)
- Deputy Manager-Procurement.(Member)
- Asst. Manager-HR.(Member)

### **2.3 Environmental Targets:**

We will promote environmental excellence in our operations and communities, which includes considerations of biodiversity. We still consider biodiversity issues as an important element due diligence environmental assessments and ongoing activities in our power plant. We will continue to review our reporting not only from a timeline standpoint but also from a compliance and quality standpoint. We will continue to comply with all local laws and regulations and all corporate guidelines.



Please see the objective file in the link, [Annexure-2](#)

### **2.4 Environmental Performance**

EHS management approach and performance is continuously evaluated through the auditing tracking and reporting of EHS performance to management. EHS performance for each area related to compliance, pollution and injuries is consolidated periodically for management review. SMPCL is complying the legal legislation as well as term and conditions which are given at environmental clearance certificated.

To date, the project company has not received any formal complaints or claims from neighbors of the project site or any other stakeholders concerning our environmental performance.



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## 2.5 Project Operational Statistics (From July'18 to June'19)

Month	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	YTD
Generation (MWH)	169,845.00	113,349.00	-	-	-	-	-	-	82,064.00	185,861.00	195,619.00	203,958.00	950,696.00
Commercial Availability (%)	99.09	100.00	100.00	100.00	100.00	100.00	100.00	40.58	36.82	95.67	97.37	98.58	88.86%
EFOF (%)	0.91%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.63%	1.42%	0.43%
Capacity Factor (%)	72.67	48.57	0.00	0.00	0.00	0.00	0.00	0.00	31.10	73.70	75.24	81.09	32.97%
Import (MWH)	-	464.55	730.35	515.43	443.76	532.88	456.22	519.38	873.65	54.73	146.88	2.44	4,740.27
Aux. Consumption (MWH)	4,939.50	3,137.03	-	-	-	-	-	-	4,540.70	8,107.70	8,086.12	8,367.77	37,178.82

## 2.6 Project Environment, Health and Safety Statistics

### Health and Safety Statistics (From 1st July'18 to 30th June'19)

Description	Employee	Contractor
Fatality	0	0
First Aid Cases	0	1
Near Miss	2	0
LTA/100, LTA/200,000	0.0	0.0
Days Since Last LTA	1,859 (From SCCOD)	

### Environmental Statistics (From 1st July'18 to 30th June'19)

Description	1st July'18 to 30th June'19
No. of accident (air/effluent/spill)	Nil
Quantity of NOx Emission, Tons	1.8565
Calculated CO2 Emission, Tons	433,155
CO2 equivalent, Total Green House Gas, Tons	434,380.22
CH4, Tons	30.273
Quantity of effluent, M <sup>3</sup>	15,734.88
Quantity of oily cloth (kg)	55
Quantity of used oil filter.(pcs)	40
Quantity of Mud Cake, kg *	593
Quantity of sludge, kg	Nil
Quantity of used oil, (Drum)	Nil
Generation of medical waste, kg	1

\*Mud Cake has been used for landfill.

Please double click on the following icon to find the annual LTA statistic report.

Please see the statistics file in the link, [Annexure-3](#)

### 3.0 EHS Training:

Effective training and education are essential for the success of our environmental health and safety program at SMPCL. Yearly EHS training calendar has been prepared in consultation with KEPCO, O&M Contractor. This training calendar is scheduled on monthly Basis. Monthly Technical training was conducted for the O&M employees. SMPCL also arranged external training for their employees. Target group for EHS training not only employee rather we cover office staffs, kitchen staffs, security guards, office drivers, subcontractor personnel. Training schedule is attached below. Each year this schedule is reviewed and required changes are adopted for continual improvement. Training topic selection is done through training need assessment

### Training Calendar 2018

KEPCO KPS		SUMMIT MEGHNAGHAT POWER COMPANY LTD.		TITLE: EHS TRAINING CALENDAR FOR THE YEAR 2017											
				Schedule											
Month	Target Group	Training Conducted by	January	February	March	April	May	June	July	August	September	October	November	December	Remarks
EHS Policy & Practice & Grievance Procedure	MMT, E&I Team, Operation team, A&P Team & Security Personnel, Office staff, Drivers, Kitchen staff	Nowroze Ahmed													
1) All work related PPE requirement SCBA operating practice Work Permit ( Work permit, Hot work permit, confined work permit, Excavation permit, work at height Etc)	2) MMT, E&I Team, Operation team, A&P	Md. Musfiqur Rahman & Md. Moktar Hossain													
Fire Fighting, prevention & Control	MMT, E&I Team, Operation team, A&P	Md. Saiful Islam (Ope)													
Fall Prevention & Protection & Scaffolding	MMT, E&I Team, Operation team, A&P	Iqbal hossain/Mohammad Sakhawatul Bar													
Compressed Gas Cylinder Safety	MMT, E&I Team, Operation team, A&P	Md. Saiful Islam (MMD)													
Chemical Handling & Waste Management	MMT, E&I Team, Operation team, A&P	Suman Sarkar													
Basic SMS Training	MMT, E&I Team, Operation team, A&P Team	Md. Khurrom Samad Shourvy													
Emergency Response plan	MMT, E&I Team, Operation team, A&P	Md. Musfiqur Rahman (Ope)													
First Aid Training	Security Personnel, Office staff, Drivers, Kitchen staff, MMT, E&I Team, Operation team, A&P Team	N/A													
Hazard Communication & Flammable Materials Handling	MMT, E&I Team, Operation team, A&P	Nowroze Ahmed (EHS)													
Basic Electrical Safety Training	MMT, E&I Team, Operation team, A&P	Muhammad Monowar Hossain													
Behavioral guideline for Personnel handling by security	Security Personnel	N/A													
Chemical & Oil Spill Control	MMT, E&I Team, Operation team, A&P	Nowroze Ahmed (EHS)													

  
Plant Manager  
SMPCL

  
DGM, Operation  
SMPCL

  
Chief Operating Officer & Director  
SMPCL



### Training Calendar 2019

KEPCO KPS		SUMMIT MEGHNAGHAT POWER COMPANY LTD.		TITLE: EHS TRAINING CALENDAR FOR THE YEAR - 2019											
				Schedule											
Month	Target Group	Training Conducted by	January	February	March	April	May	June	July	August	September	October	November	December	Remarks
EHS Policy & Practice, Grievance Redressing Procedure	MMT, E&I Team, Operation team, A&P Team & Security Personnel, Office staff, Drivers, Kitchen staff	Nowroze Ahmed (EHS)													
Emergency Response Plan	MMT, E&I Team, Operation team, A&P Team	Md. Saiful Islam (OPE)													
Fall Prevention & Protection, Scaffolding, clearance A&P team	MMT, E&I Team, Operation team, A&P Team	Kamrul, Shourov, Muntasir (OPE)													
Basic Electrical Safety Training	MMT, E&I Team, Operation team, A&P Team	Ashraful Haque (EHS)													
Work Permit ( Work permit, Hot work permit, confined work permit, Excavation permit, Work at height Etc)	MMT, E&I Team, Operation team, A&P Team	Md. Shahin Omer Chowdhury (OPE)													
1) All work related PPE requirement 2) SCBA operating practice	MMT, E&I Team, Operation team, A&P Team	Nowroze Ahmed (EHS)													
Fire Fighting, prevention & Control	MMT, E&I Team, Operation team, A&P Team	Md. Saiful Islam (OPE)													
Chemical safety & Spill Control	MMT, E&I Team, Operation team, A&P Team	Md. Moktar Hossain (EHS)													
Basic SMS Training	MMT, E&I Team, Operation team, A&P Team	Md. Khurrom Samad Shourvy (OPE)													
First Aid Training	Security Personnel, Office staff, Drivers, Kitchen staff, MMT, E&I Team, Operation team, A&P Team	External Trainer (EHS)													
Chemical Handling & Waste Management	MMT, E&I Team, Operation team, A&P Team	Md. Musfiqur Rahman (OPE)													
Hazard Communication & Flammable Materials Handling	MMT, E&I Team, Operation team, A&P Team	Nowroze Ahmed (EHS)													
Compressed Gas Cylinder Safety	MMT, E&I Team, Operation team, A&P Team	Ashraful Haque (EHS)													
Behavioral guideline for Personnel handling by security	Security Personnel	External Trainer													

  
Plant Manager  
SMPCL

  
DGM, Operation  
SMPCL

  
Chief Operating Officer & Director  
SMPCL

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### EHS Training Details-July'18 to June'19



Sl	Month	Training Topics	Duration of Training Hours	Total Man hour
1	July'18	1) All work related PPE requirement 2) SCBA operating practice 3) Basic IMS Training	1+1+1	123
2	August'18	1) Compressed Gas Cylinder Safety 2) Employee Basic behavioral training	1+6	438
3	September'18	First Aid Training	7 +7	700
		Chemical & Oil Spill Control	1	22
4	October'18	Hazard Communication & Flammable Materials Handling	1	29
5	November'18	1) Work Permit ( Work permit ,Hot work permit, confined work permit, Excavation permit, work at height Etc)	1	32
6	December'18	Security Service Excellence (Behavioral guideline for Personnel handling)	7+7	742
7	January'19	EHS Policy & Practice , Grievance Redressing Procedure	1	28
8	February'19	Emergency Response Plan	1	27
9	March'19	Fall Prevention & Protection, Scaffolding standard and uses.	1	26
10	April'19	Basic Electrical Safety Training	1	28
11	May'19	Work Permit ( Work permit ,Hot work permit, confined work permit, Excavation permit, work at height Etc)	1	28
12	June'19	"1) All work related PPE requirement 2) SCBA operating practice"	1	29
<b>Total Man-hour</b>				<b>2,252</b>

#### 3.1 Scheduled in-house training

##### July'18

EHS training on "1) All work related PPE requirement, 2) SCBA operating practice. 3) Basic IMS Training" & Technical training on "Blackout Management" was conducted on 25/07/2018.

Please see the training report in the link, [Annexure-4](#)

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### **Aug'18**

EHS training on Compressed Gas Cylinder Safety & Technical training on “Single stage pump maintenance” was conducted on 14/08/2018.

Please see the training report in the link, [Annexure-4](#)



### **Sep'18**

Monthly EHS training on “Chemical & Oil Spill Control” & Technical training on “Transformer Basics- Its Protection & Testing” have been conducted on 30/09/2018.



Please see the training report in the link, [Annexure-4](#)



### **Oct'18**

EHS training on “Hazard Communication & Flammable Materials Handling” & Technical training on “Chiller Control & Operation principle” have been conducted on 23/10/2018.

Please see the training report in the link, [Annexure-4](#)

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### **Nov'18**

EHS training on “Work Permit (Work permit, hot work permit, confined work permit, Excavation permit, work at height etc) & Technical training on “Maintenance skill on Rotating Equipment” have been conducted on 18/11/2018.

Please see the training report in the link, [Annexure-4](#)



### **Dec'18**

Monthly Technical training on “Significance of Measurement of Earth Resistance for different Installations” have been conducted on 6/12/2018.

Please see the training report in the link, [Annexure-4](#)



### **Jan'19**

EHS training on “EHS Policy & Practice, Grievance Redressing Procedure” & Technical training on “Blackout Management and Abnormal operation” have been conducted on 21/01/2019

Please see the training report in the link, [Annexure-4](#)



**Feb'19**

EHS training on “Emergency Response Plan” & Technical training on “Multi stage pump maintenance” have been conducted on 06/02/2019.

Please see the training report in the link, [Annexure-4](#)



27/03/2019.



Please see the training report in the link, [Annexure-4](#)



**April'19**

EHS training on “Basic Electrical Safety Training” & Technical training on “RMS control system” have been conducted on 30/04/2019

Please see the training report in the link, [Annexure-4](#)

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### May'19

EHS training on “Permit to work: Hot work permit, confined space permit, Excavation permit, work at height ” & Technical training on “CCPP cold startup in gas mode & Steam Turbine operation” have been conducted on 13/05/2019.

Please see the training report in the link, [Annexure-4](#)



### June'19

EHS training on “1) all work related PPE requirement. 2) SCBA operating practice ” & Technical training on “Maintenance skill on control valves” have been conducted on 25/06/2019.

Please see the training report in the link, [Annexure-4](#)



### Safety Induction training for contractor & Visitors

All contractors and subcontractors & Visitors are trained by SMPCL EHS personnel before going to their job or site visit. Every 6 month interval refresher training also ensured to subcontractors & Visitors. EHS personnel briefly describe about Plant site safety rules and practice.



### **Refresher Training for Security personnel's**

Refresher training was arranged for security personnel's about plant policy, practice, grievance mechanism, first aid procedure etc.



## **3.2 External Training**



### **First Aid (Refresher) Training:**

As per EHS Training schedule first aid (Refresher) training has been conducted by Bangladesh Red Crescent Society on 24 & 25 Sept'2018. Report is attached here for reference.

Please see the training report in the link, [Annexure-5](#)





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### **Employee Basic behavioral & BBS Training:**

As per EHS Training schedule Employee Basic behavioral & BBS training has been conducted on 8<sup>th</sup> Aug'18 by external body (Aim plus)

Please see the training report in the link, [Annexure-5](#)



## **4.0 Management of EHS Practice and Monitoring**

### **4.1 EHS work practice**

SMPCL is regularly monitoring overall site condition such as housekeeping, misuse of water, hot work, Confined space work & work at height. PPE are being strictly maintained inside the plant. PPE zone has been declared inside the plant. Plant security management system has been established.



Hot work and Confined Space work system:

In the site all hot work and confined space work are done through permit to work system. Before performing hot work and confined space work, Summit O&M team take all precautionary measure such as barricading hot work area, keeping fire extinguishers near at hot work area, removing all combustible and flammable types 'materials from hot work area

### **4.2 Ambient parameters and record**

EHS personnel are monitoring overall environmental performance of different items like stack emission quality, ambient air quality, liquid effluent, noise, solid waste. The plant has developed a good waste management procedure for proper segregation disposal of different type of wastes. SMPCL has made an agreement with DoE approved vendor for disposing of different types of wastes in an environment-friendly way.

**Effluent parameter test record:** Analytical test has been carried out by BCSIR

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Parameter	DoE Standard	October'18	April'19
pH	6.0-9.0	7.5	7.7
BOD at 20 <sup>o</sup> C (mg/l)	50	10.2	2.9
TDS (mg/l)	2100	46	699
COD (mg/l)	200	15	7.5
DO (mg/l)	4.5-8	5.72	6.7
TSS (mg/l)	150	Less than 5	14.8



### **Ambient air quality test record:**

Please see the report in the link, [Annexure-6](#)

### **Installed AAQMS Monitoring Record: (July'18~June'19):**

Sample Frequency (e.g. quarterly)	Ambient Air Quality Parameter	World Bank Group/IFC Maximum Levels	Performance In WBG/IFC Units Annual Average	Host Country Regulatory Limits and units	Performance in Host Country units Annual average
<b>Monitoring Location:- Station-1</b>					
<b>Annual arithmetic mean</b>					
24 Hours	Particulate Matter (PM <sub>10</sub> )	50 µg/m <sup>3</sup>	12.65µg/m <sup>3</sup>	50 µg/m <sup>3</sup>	12.65µg/m <sup>3</sup>
24 Hours	Particulate Matter (PM <sub>2.5</sub> )	25 µg/m <sup>3</sup>	11.46 µg/m <sup>3</sup>	15 µg/m <sup>3</sup>	11.46 µg/m <sup>3</sup>
24 Hours	SO <sub>x</sub>	20 µg/m <sup>3</sup>	57.29 µg/m <sup>3</sup>	80 µg/m <sup>3</sup>	57.29 µg/m <sup>3</sup>
Hourly	NO <sub>x</sub>	200 µg/m <sup>3</sup>	39.01 µg/m <sup>3</sup>	100 µg/m <sup>3</sup>	39.01 µg/m <sup>3</sup>
8 Hourly	SPM	Not set by IFC	32.24 µg/m <sup>3</sup>	200 µg/m <sup>3</sup>	32.24 µg/m <sup>3</sup>

Sample Frequency (e.g. quarterly)	Ambient Air Quality Parameter	World Bank Group/IFC Maximum Levels	Performance In WBG/IFC Units Annual Average	Host Country Regulatory Limits and units	Performance in Host Country units Annual average
<b>Monitoring Location:- Station-2</b>					
<b>Annual arithmetic mean</b>					
24 Hours	Particulate Matter (PM <sub>10</sub> )	50 µg/m <sup>3</sup>	13.30µg/m <sup>3</sup>	50 µg/m <sup>3</sup>	13.30µg/m <sup>3</sup>
24 Hours	Particulate Matter (PM <sub>2.5</sub> )	25 µg/m <sup>3</sup>	7.81 µg/m <sup>3</sup>	15 µg/m <sup>3</sup>	7.81 µg/m <sup>3</sup>
24 Hours	SO <sub>x</sub>	20 µg/m <sup>3</sup>	17.35 µg/m <sup>3</sup>	80 µg/m <sup>3</sup>	17.35 µg/m <sup>3</sup>

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Sample Frequency	Ambient Air Quality Parameter	World Bank Group/IFC Maximum Levels	Performance In WBG/IFC Units Annual Average	Host Country Regulatory Limits and units	Performance in Host Country units Annual average
8 Hourly (quarterly)	SPM	Not set by IFC	25.63 µg/m <sup>3</sup>	200 µg/m <sup>3</sup>	25.63 µg/m <sup>3</sup>

Monitoring Location:- Station-3

Annual arithmetic mean					
24 Hours	Particulate Matter (PM <sub>10</sub> )	50 µg/m <sup>3</sup>	11.62 µg/m <sup>3</sup>	50 µg/m <sup>3</sup>	11.62 µg/m <sup>3</sup>
24 Hours	Particulate Matter (PM <sub>2.5</sub> )	25 µg/m <sup>3</sup>	7.63 µg/m <sup>3</sup>	15 µg/m <sup>3</sup>	7.63 µg/m <sup>3</sup>
24 Hours	SO <sub>x</sub>	20 µg/m <sup>3</sup>	19.59 µg/m <sup>3</sup>	80 µg/m <sup>3</sup>	19.59 µg/m <sup>3</sup>
Hourly	NO <sub>x</sub>	200 µg/m <sup>3</sup>	43.29 µg/m <sup>3</sup>	100 µg/m <sup>3</sup>	43.29 µg/m <sup>3</sup>
8 Hourly	SPM	Not set by IFC	26.23 µg/m <sup>3</sup>	200 µg/m <sup>3</sup>	26.23 µg/m <sup>3</sup>

Sample Frequency (e.g. quarterly)	Ambient Air Quality Parameter	World Bank Group/IFC Maximum Levels	Performance In WBG/IFC Units Annual Average	Host Country Regulatory Limits and units	Performance in Host Country units Annual average
8 Hourly (quarterly)	SPM	Not set by IFC	26.23 µg/m <sup>3</sup>	200 µg/m <sup>3</sup>	26.23 µg/m <sup>3</sup>



Monitoring Location:- Station-4 (Village)

Annual arithmetic mean					
24 Hours	Particulate Matter (PM <sub>10</sub> )	50 µg/m <sup>3</sup>	21.20 µg/m <sup>3</sup>	50 µg/m <sup>3</sup>	21.20 µg/m <sup>3</sup>
24 Hours	Particulate Matter (PM <sub>2.5</sub> )	25 µg/m <sup>3</sup>	12.44 µg/m <sup>3</sup>	15 µg/m <sup>3</sup>	12.44 µg/m <sup>3</sup>
24 Hours	SO <sub>x</sub>	20 µg/m <sup>3</sup>	18.67 µg/m <sup>3</sup>	80 µg/m <sup>3</sup>	18.67 µg/m <sup>3</sup>
Hourly	NO <sub>x</sub>	200 µg/m <sup>3</sup>	46.09 µg/m <sup>3</sup>	100 µg/m <sup>3</sup>	46.09 µg/m <sup>3</sup>
8 Hourly	SPM	Not set by IFC	32.56 µg/m <sup>3</sup>	200 µg/m <sup>3</sup>	32.56 µg/m <sup>3</sup>

### Plant underground water quality test Record

This test has been conducted in every three month interval by BCSIR

Parameter	July'18	Oct'18	Jan'19	April'19
pH	6.62	6.92	7.15	6.68
Total Alkalinity (as CaCO <sub>3</sub> ) mg/L	169	140	126	198
Manganese (Mn) mg/L	1.9	1.66	1.31	0.63
Nitrate-Nitrogen (NO <sub>3</sub> -N) mg/L	less than 1.0	less than 3	less than 3	less than 3
Total Hardness as CaCO <sub>3</sub>	264	287	163	205
Chloride (Cl)	280	245	172	97.5

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Arsenic (As) mg/L	0.005	less than 0.005	less than 0.005	less than 0.005
Iron (Fe) mg/L	0.26	less than 0.2	1.12	0.6
(TDS) mg/L	727	625	407	378
Lead (Pb) mg/L	Less than 0.01	Less than 0.01	Less than 0.01	Less than 0.01
Turbidity (NTU)	2.94	2.14	9.92	5.44

**River water quality test record:** River water sample test also carried out three months interval by external accredited laboratory (BCSIR)

Parameter Name	July'18 (intake)	July'18 (Outfall)	Oct'18 (Intake)	Oct'18 (Outfall)	Jan'19 (Intake)	April'19 (Outfall)	April'19 (Intake)	April'19 (Outfall)
pH	6.98	6.9	7.38	7.39	6.79	6.87	6.78	6.88
TSS (mg/L)	19.2	7.6	15.8	Less than 5	11.4	15.6	8.4	5.2
EC(μS/cm)	55	88.7	75	90.8	244	272	171	177
DO (mg/L)	7.2	6.83	7.51	7.07	7.85	4.02	6.08	5.88
COD (mg/L)	5.88	7.84	8.4	7.52	15.4	14.1	12.7	9.4
BOD (mg/L)	3.5	4.03	4.19	3.51	8	6.35	3.2	3.13
Turbidity (NTU)	18.5	14.1	11.7	16.5	5.85	13.4	5.82	2.58
TDS (mg/L)	26.7	43.7	48.4	63	143	159	96.8	108

Test Conducted By:

1) **BCSIR:** Bangladesh Council of Scientific and Industrial Research

**River water temperature Monitoring record:** Please find the day wise river water inlet and outlet temperature tracking record for the year of July'18 to June'19 during plant operation period only.



Please see the report in the link, [Annexure-7](#)

**Noise Monitoring Record:**

Regular ambient noise monitoring is carried out monthly basis, Please find the attached report during the reporting period

Please see the report in the link, [Annexure-8](#)

**Waste generation & disposal Record**

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SMPCL has developed waste management procedure which procedure number (SMPCL-EHS-010). SMPCL has made an agreement with DoE approved contractor for disposing different category of wastes in environment friendly way. The record is maintained for monthly basis. Please double click on the following icon to find the yearly waste generation and disposal record.

Please see the report in the link, [Annexure-9](#)

## 5.0 Site visit details:

During the reporting period OEM personnel's, Bangladesh fire service & civil defense personnel, Govt. officials & several investors visited the plant. They took a site tour after completing the safety induction training.

## 6.0 Emergency Preparedness

In preparation for earthquakes, fires, the leakage of toxic substances, and other emergency situations, we have established emergency response procedures and communication and reporting systems. We also carry out periodic training programs to reinforce our emergency preparedness, while reviewing the response procedures from time to time.

### 6.1 Mock Drill Practices

SMPCL has developed a well-defined emergency response procedure focusing on the many emergency issues such as fire/explosion, medical emergency, hazardous material release, earthquake response, Chlorine release emergency response, severe weather, spill response during transportation and transfer, response. All assembly points have been marked and sign boards have been posted at appropriate places on the site. A yearly mock drill calendar has been developed. As per the Mock drill calendar, all drills have been conducted successfully. A joint fire drill with a collaboration of local fire defense authority has been conducted in December 18, 2018. All reports are attached for reference.

Please see the report in the link, [Annexure-10](#)

### Pictures of drills





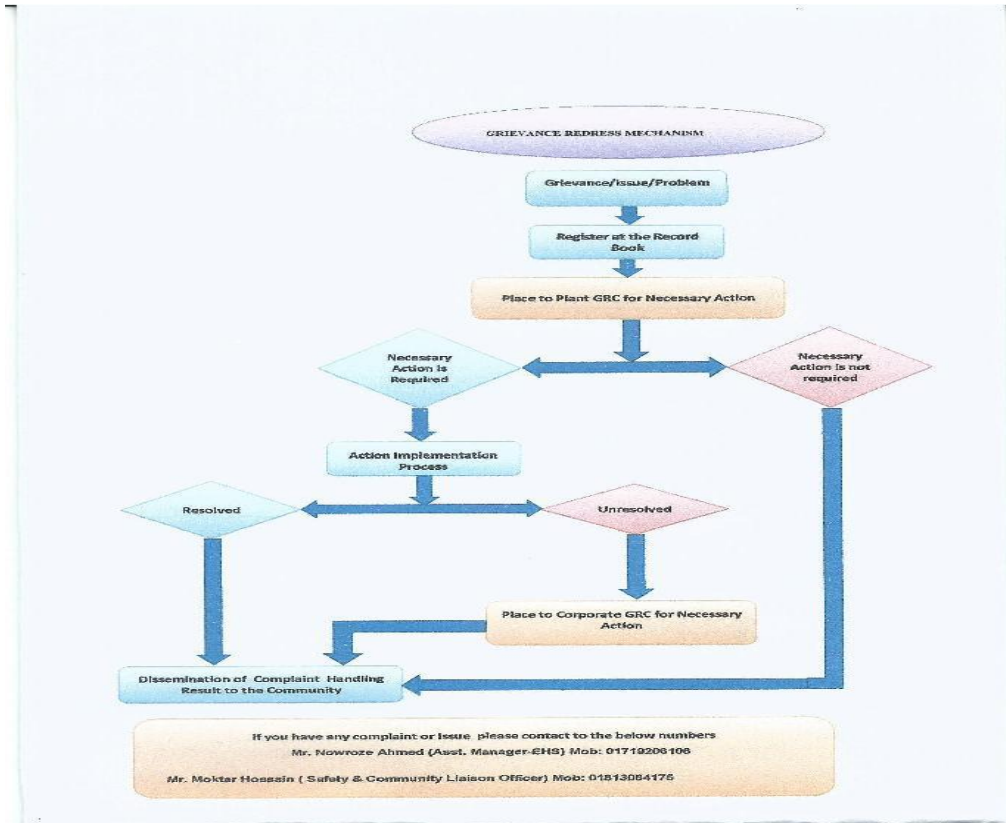
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**7.0 SMPCL Grievance Mechanism.**

A grievance redresses procedure has been developed for taking into account grievance raised by various stakeholder and local neighbors. A suggestion/complaints box and a register book are maintained at the gatehouse, which is always accessible to the neighboring people and the project stakeholders for putting down their comments, suggestions or complaints. Another one grievance register book has been kept in HR department for plant employees.

### Flow Chart of Grievance Redress Mechanism





The objective of a grievance management procedure is to ensure that all comments and complaints from any project stakeholder, including local/regional authorities, SMPCL employees, SMPCL contractors’ staff and other interested parties, are considered and addressed in an appropriate and timely manner. All grievances will be acknowledged and responded to within a reasonable timeframe.

GRC meeting was conducted on half yearly basis. Members of the committee were present during the meeting. Meeting report attached for reference.

Please see the report in the link, [Annexure-11](#)

#### **7.1 Public Consultation & Disclosure**

SMPCL is maintaining a very open and healthy relation with nearby community members. SMPCL conducted a public consultation among the Boilakir Char, Islampur, Dudghata, Kurbanpur, Gongganagor, Ashariar Char, and Pachani villagers. A leaflet was distributed with all environmental parameters monitoring record to community peoples. A leaflet also posted in several places within those villages. Formal and informal meetings were conducted from time to time between the community neighbors and the members of the company’s on different issues.

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A suggestion/complaints book is maintained at the gatehouse, which is always accessible to the neighboring people and the project stakeholders for putting down their comments, suggestions or complaints

**Pictures of the public consultations.**



Please see the report in the link, [Annexure-12](#)

**8.0 Community Development program**

SMPCL has planned for CSR activities as part of the community development program.

**8.1 CSR Activities**

As a part of the Community development work, boundary wall construction work at Kurbanpur primary school and preparation for conducting a free medical camp is ongoing for Islampur Village during the reporting period. SMPCL will take initiatives according to plant CSR implementation schedule based on the Social quantification survey report.



Boundary Wall construction at Kurbanpur Village







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***9.0 Annexure List***

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***9.1 ANNEXURE -1 ISO 14001,9001 & OSHAS18001 CERTIFICATES***



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# CERTIFICATE



Management System as per  
EN ISO 9001 : 2015

In accordance with TÜV AUSTRIA procedures, it is hereby certified that

**SUMMIT MEGHNAGHAT POWER COMPANY LIMITED**  
Char Ramazan Sunaullah, Meghnaghat, Sonargaon  
NARAYANGANJ-1441, BANGLADESH

Applies a Quality Management System in line with the above Standard for the  
following Scope

**GENERATE AND PROVIDE UNINTERRUPTED SUPPLY OF ELECTRICITY  
FROM 335/305MW DUAL FUEL COMBINED CYCLE POWER PLANT.**

Certificate Registration No.: 1617100063897

Valid until: 2021-09-15  
Initial certification: 2017-01-09

Rashid Mehr  
CEO  
Certification Body  
at TÜV AUSTRIA

Lahore, 2018-12-27

This certification was conducted in accordance with TÜV AUSTRIA auditing and certification  
procedures and is subject to regular surveillance audits.

TÜV AUSTRIA HELLAS  
429, Mesogeion Ave.  
GR-153 43 Athens, Greece  
[www.tuvaustriahellas.gr](http://www.tuvaustriahellas.gr)



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Headquarters in Athens bear the responsibility of the Certification decision

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**Summit Meghnaghat Power Company  
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CERTIFICATE | ZERTIFICAT | ΠΙΣΤΟΠΟΙΗΤΙΚΟ | CERTIFICA | شهادة | 证书 | CERTIFICAT

# CERTIFICATE



**Management System as per  
OHSAS 18001 : 2007 / ELOT 1801 : 2008**

In accordance with TÜV AUSTRIA procedures, it is hereby certified that

**SUMMIT MEGHNAGHAT POWER COMPANY LIMITED**  
**Char Ramzan Sunallah, Meghnaghat, Sonargaon,**  
**NARAYANGANJ-1441, BANGLADESH**

Applies an Occupational Health & Safety Management System in line with the above Standards for the following Scope

**GENERATE AND PROVIDE UNINTERRUPTED SUPPLY OF ELECTRICITY  
FROM 335/305 MW DUAL FUEL COMBINED CYCLE POWER PLANT.**

EA Scope / Risk category: 25 / A

Certificate Registration No.: 161799063897

Valid until: 2020-01-08

  
Rashid Mehr  
CEO  
Certification Body  
at TÜV AUSTRIA

Lahore, 2017-01-09

This certification was conducted in accordance with TÜV AUSTRIA auditing and certification procedures and is subject to regular surveillance audits.

TÜV AUSTRIA HELLAS  
429, Mesogeion Ave.  
GR-153 43 Athens, Greece  
[www.tuvaustriahellas.gr](http://www.tuvaustriahellas.gr)



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Headquarters in Athens bear the responsibility of the Certification decision



**TÜV AUSTRIA  
GROUP**

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1<sup>st</sup> July'18 – 30<sup>th</sup> June 2019



# CERTIFICATE



**Management System as per  
EN ISO 14001 : 2015**

In accordance with TÜV AUSTRIA procedures, it is hereby certified that

**SUMMIT MEGHNAGHAT POWER COMPANY LIMITED**  
Char Ramazan Sunaullah, Meghnaghat, Sonargaon  
NARAYANGANJ-1441, BANGLADESH

Applies an Environmental Management System in line with the above Standard for the following Scope

**GENERATE AND PROVIDE UNINTERRUPTED SUPPLY OF ELECTRICITY  
FROM 335/305MW DUAL FUEL COMBINED CYCLE POWER PLANT.**

Certificate Registration No.: **161776063897**

Valid until: 2021-09-14  
Initial certification: 2017-01-09

  
Rashid Mehr  
CEO  
Certification Body  
at TÜV AUSTRIA

Lahore, 2018-12-27

This certification was conducted in accordance with TÜV AUSTRIA auditing and certification procedures and is subject to regular surveillance audits.



TÜV AUSTRIA HELLAS  
429, Mesogeion Ave.  
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Headquarters in Athens bear the responsibility of the Certification decision

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<p align="center"><b>1<sup>st</sup> July'18 – 30<sup>th</sup> June 2019</b></p>		

**9.2 ANNEXURE -2 IMS OBJECTIVES**

  <b>SUMMIT MEGHNAGHAT POWER COMPANY LTD.</b> <b>TITLE: SMPCL IMS OBJECTIVES &amp; TARGETS</b>	Document No: SMPCL-IMS-F-002 Revision No.: 01 Effective Date: 10 Oct 16 Page 1 of 4
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- SUMMIT MEGHNAGHAT POWER COMPANY LIMITED (SMPCL) has fixed following Objectives and Targets for the year 2019:
- a. SMPCL will comply with all legal and regulatory requirements of the country.
  - b. To improve the performance of SMPCL the following targets will be achieved:

Sl. No	Details	Unit	Achieved (2018)	Target (2019)	Measures to achieve the target	Responsible Person/Dept.	Evidence Record
1.	Average Availability Factor	%	97.22% (Target : >86.42%)	> 90.00 %	1. Adopt proper operational practice. 2. Carryout PM& PI regularly. 3. Make spares ready on site during emergency. <b>Note:</b> There is a possibility of Gas Commissioning of the Plant in this Calendar year.	Operation & Maintenance	SMPCL-IMS-F-038
2.	Keeping Actual Heat Rate lower than PPA Heat Rate*	%	3.15% Target >2 %	Target >0%	1. Carry out periodic water wash of gas turbines. 2. Ensure periodic maintenance. 3. Ensure no gas leakage. 4. Minimize auxiliary consumption.  <b>*** As per off-taker demand, SMPCL will run on natural gas in the year 2019 for the first time after completion of commissioning work. So, actual consumption of gas is difficult to predict since the plant has already passed around 5 years and Gas turbine performance yet to know that is why actual heat rate target kept same as PPA heat rate for this year.</b>		
3.	Total No. of Trips (GT-1)	Nos.	1	<8	1. Adopt proper operational practice.  <b>Note:</b> Gas Commissioning work will be carried out and during commissioning there is high probability of gas turbine tripping due to various test requirements.		
	Total No. of Trips (GT-2)	Nos.	3	<8			
	Total No. of Trips (ST)	Nos.	1	<6			

Verified by (MR): *MC Parkash*

Approved by (PM):



4.	Reduce auxiliary power consumption	%	Target < 3.5 % Of Energy Delivered Achieved = 3.209 %	< 4.5 % of Total Energy delivered	<ol style="list-style-type: none"> <li>1. Optimum operation of Band Screens.</li> <li>2. Use RWP instead of CWP during Plant S/D condition.</li> <li>3. Both GT 88BT healthy condition</li> <li>4. Use minimum lighting during day time and ensure maximum utilization of sunlight.</li> <li>5. Efficiently Control HVAC as per requirement.</li> <li>6. Ensure efficient operation of all pumps, motors and other devices.</li> <li>7. Ensure continuous monitoring.</li> </ol> <p>***Gas Commissioning work will be carried out. During plant operation in gas mode auxiliary consumption will be more than previous.</p>
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c. To protect environment through conservation of natural resources by reducing the consumption; the following targets will be achieved:

Sl. No.	Details	Unit	Achieved (2018)	Target (2019)	Measures to achieve the target	Responsible Person/Dept.	Evidence Record
1.	Water consumption	M3	155,226.62 m3 Target = <425,000m3	< 400,000	<ol style="list-style-type: none"> <li>1. Ensure no water spillage.</li> <li>2. Ensure proper recycling of water.</li> <li>3. Ensure continuous monitoring.</li> </ol>	EHS	SMPCL-IMS-F-055
2.	Hazardous Waste Generation	KG	55 kg Target = 90 kg	85 kg	<ol style="list-style-type: none"> <li>1. By reusing.</li> <li>2. By recycling.</li> </ol>		
3.	No. of Environmental Incidents	Nos.	0	0	<ol style="list-style-type: none"> <li>1. Provide environmental training to employees.</li> <li>2. Ensure standards operating procedures.</li> <li>3. Conduct Risk Assessment.</li> </ol>		

Verified by (MR): *MC Park et al*

Approved by (PM): *[Signature]*

		Document No: SMPCL-IMS-F-002
<b>SUMMIT MEGHNAGHAT POWER COMPANY LTD.</b>		Revision No.: 01
<b>TITLE: SMPCL IMS OBJECTIVES &amp; TARGETS</b>		Effective Date: 10 Oct 16
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d. SMPCL will restrict occurrence of lost time due to incident in the plant, occurrence of ill health in the plant, of lost time due to ill health in The plant, occurrence of the accidents in plant and the following targets will be achieved:

Sl. No.	Details	Unit	Achieved (2018)	Target (2019)	Measures to achieve the target	Responsible Person/Dept.	Evidence Record
1.	Occurrence of lost time due to accident	Nos.	0	0	1. Ensure Awareness training on Occupational health and safety. 2. Ensure proper use of PPEs.	EHS	SMPCL-IMS-F-056
2.	Occurrence of Fatality	Nos.	0	0	1. Follow safe working practice. 2. Ensure hazard control measure.		
3.	Near Miss	Nos.	2	0	1. Follow safe working practice. 2. Ensure risk control measure.		
4.	First Aid	Nos.	1	0	1. Ensure safe working practice. 2. Ensure proper use of PPEs. 3. Conduct training on occupational health and safety.		

Verified by (MR): *[Signature]*

Approved by (PM): *[Signature]*

e. SMPCL will maintain effective management system by providing training to its entire people on Quality, Environment, OH&S and Social Views and following targets will be achieved:

Sl. No.	Details	Unit	Achieved 2018	Target (2019)	Measures to achieve the target	Responsible Person/Dept.	Evidence Record
1.	Training Man Hours	Hours	Target (600 Man Hours) achieved	630 Man Hours	1. Adaption of official policy (Comfortable schedule making. 2. Improve training quality.	EHS & HR	SMPCL-IP-007

f. These objectives of the system will be circulated throughout the organization and will be reviewed at least half yearly for its continued relevance and effectiveness. These objectives are monitored for its sustained effectiveness at management review meetings.

\* The target has been set out consider plant performance Loss. This also depends on plant factor which is controlled by BPDB.

Verified by (MR): *nic parkat*

Approved by (PM): *[Signature]*

### 9.3 ANNEXURE -3 SAFETY STATISTICS

<b>SUMMIT MEGHNAGHAT POWER COMPANY LIMITED</b> <b>Recordable Injury, Illness &amp; LTA rate calculation (Yearly)</b>			
<b>COMPANY NAME:</b>		SMPCL	
<b>CALENDAR YEAR:</b>		2018-2019	
EMPLOYEE		CONTRACTOR	
Total number of recordable injuries and illnesses		Total number of recordable injuries and illnesses	
0		0	
divided by		divided by	
X 200,000		X 200,000	
165174		67478	
Hours worked by all employees		Hours worked by all employees	
Total recordable cases incidence rates		Total recordable cases incidence rates	
0.00		0.00	
Total number of recordable injuries and illnesses with days away from work & Job transfer or restriction		Total number of recordable injuries and illnesses with days away from work & Job transfer or restriction	
0		0	
divided by		divided by	
X 200,000		X 200,000	
165174		67478	
Hours worked by all employees		Hours worked by all employees	
Cases involving days away from work incidence rate		Cases involving days away from work incidence rate	
0.00		0.00	



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Employee Yearly Manhour (July'2018 to June'19)			Contractor Yearly Manhour (July'2018 to June'19)			Total Yearly Manhours (July'2018 to June'19)		
Month	Hour	Remarks	Month	Hour	Remarks	Month	Hour	Remarks
July	14584		July	5368		July	19952	
August	13252		August	5200		August	18452	
September	13504		September	4208		September	17712	
October	13896		October	4120		October	18016	
November	13472		November	4856		November	18328	
December	13540		December	4507		December	18047	
January	14052		January	11376		January	25428	
February	13192		February	7688		February	20880	
March	14288		March	6328		March	20616	
April	13678		April	5240		April	18918	
May	14366		May	4400		May	18766	
June	13350		June	4187		June	17537	
<b>Total Hour :</b>	<b>165174</b>		<b>Total Hour :</b>	<b>67478</b>		<b>Total</b>	<b>232652</b>	





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*Incident Statistics for the year July'18 to June'19*



Month	Employee Type	Working Hours	Incidents			Days Lost	Incident Rate (L)	Days-away Rate
			Fatal	Losttime	Nearmiss			
July	Employee	14584	0	0	0	0	0	0
	Contractor	5368	0	0	0	0	0	0
August	Employee	13252	0	0	1	0	0	0
	Contractor	5200	0	0	0	0	0	0
September	Employee	13504	0	0	0	0	0	0
	Contractor	4208	0	0	0	0	0	0
October	Employee	13896	0	0	0	0	0	0
	Contractor	4120	0	0	0	0	0	0
November	Employee	13472	0	0	0	0	0	0
	Contractor	4856	0	0	0	0	0	0
December	Employee	13540	0	0	1	0	0	0
	Contractor	4507	0	0	0	0	0	0
January	Employee	14584	0	0	0	0	0	0
	Contractor	11376	0	0	0	0	0	0
February	Employee	13252	0	0	0	0	0	0
	Contractor	7688	0	0	0	0	0	0
March	Employee	13504	0	0	0	0	0	0
	Contractor	6328	0	0	0	0	0	0
April	Employee	13896	0	0	0	0	0	0
	Contractor	5240	0	0	0	0	0	0
May	Employee	13472	0	0	0	0	0	0
	Contractor	4400	0	0	0	0	0	0
June	Employee	13540	0	0	0	0	0	0
	Contractor	4187	0	0	0	0	0	0
Total	Employee	165174	0	0	2	0	0	0
	Contractor	67478	0	0	0	0	0	0
SMPCL		232,652	-	-	2	-	-	-

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***9.4 ANNEXURE -4 EHS TRAINING REPORT***

 SUMMIT	<b>Summit Meghnaghat Power Company Limited</b> <b>Annual Public Environmental &amp; Social Monitoring Report</b>	
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**9.4.1 JULY'2018**

  <b>SUMMIT MEGHNAGHAT POWER COMPANY LTD.</b>	<b>Document No: SMPCL-EHS-F-035</b>
	<b>Revision No.: 00</b>
<b>TITLE: EHS TRAINING REPORT</b>	<b>Effective Date: 10 Jan 16</b>
	<b>Page 1 of 1</b>

**EHS Training Topic:** 1) all work related PPE requirement, 2) SCBA operating practice. 3) Basic IMS Training

**Technical Training Topic:** Blackout Management

**Training Date:** 25.07.2018

**Training Time:** 09:00 am to 1:00 pm (1 hour duration for each training)

**Training Venue:** Conference Room

**Number of participant:** 41 per session (Three sessions) 41X4



**Total Man hour:** 164

**Covers in Areas:** What is PPE, Importance of PPEs, PPE matrix, types of PPE, Hazard elimination hierarchy, Understanding different types of breathing apparatus. Operating procedure of SCBA, limitation of SCBA, basic of IMS & ISO standards requirements, understanding ISO internal auditing system,

**Pictures of the Training**



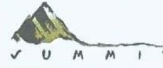


	<p align="center"><b>Summit Meghnaghat Power Company Limited</b></p> <p align="center"><b>Annual Public Environmental &amp; Social Monitoring Report</b></p>	
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**9.4.2 AUGUST'2018**



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TITLE: EHS TRAINING REPORT

Page 1 of 1

**EHS Training Topic:** 1) Compressed Gas Cylinder Safety, 2) Employee Basic behavioural training

**Technical Training Topic:** Single stage pump maintenance

**Training Date:** 14.08.2018

**Training Time:** 10:00 am to 12:00 pm (1 hour duration for each training)

**Training Venue:** Conference Room

**Number of participant:** 26

**Total Man hour:** 52

**Covers in Areas:** Different forms of gases, Types of gases, introduce of Cylinder parts, Safety instruction for safe use of compressed gas cylinder, Safe handling practice, safely storage of compressed gas cylinder, Extra precaution for flammable gas cylinder and poisonous gas cylinder. Some unsafe condition about compressed gas cylinder storage.

**Pictures of the Training**





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**ATTENDANCE SHEET**

Monthly EHS & Technical Training (For the month of Aug, 18)

Date: 14/08/18

S/N	Name of Attendees	Department	Signature
01	Muhammad Sakawatul Bariq	MMD	S. Bar.
02	Sujan Deb Nath	MMD	[Signature]
03	Md. Ismail Hossain	EMD	[Signature]
04	Md. Sawkat Ali Sikder	EMD	[Signature]
05	Md. Abjad Hossain	MMD	[Signature]
06	Md. Moktar Hossain	EHS	[Signature]
07	KH. MONIROZZAMAN	MMD	[Signature]
08	S.M Fahmidur Rahman	I&E	Shoa.f
09	Moufcoze Ahmed.	EHS	[Signature]
10.	Md. Moshfiqur U. Saleheen	EMD	[Signature]
11	CHANICAL.	MMD	[Signature]
12	Suprobhat Kr. Chosh	I & E	[Signature]
13	MD. RANA AZIM	EMD	RANA.
14	Mostafa Meraj Pasha.	I&E	[Signature]
15	Saiful Islam	MMD	[Signature]
16.	SK. NUR ISLAM	I&E	[Signature]
17.	Tannir Chowdhury	A&P	Tannir
18	Md. Nigam Uddin	MMD	[Signature]
19.	Ahmedul Haque	EMD	[Signature]
20	Fujed Ahmed	A&P	[Signature]
21	Md. Rezaul Karim	A&P	[Signature]
22	Md. MIRAZUL RAHMAN	M.M.D	[Signature]
23	Toner Rahman	OPN	[Signature]
24	Zahirul Islam	MMD	[Signature]
25	MD. Mahibur Rahman	EMD	[Signature]



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**9.4.3 SEPTEMBER'18**



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**TITLE: EHS TRAINING REPORT**

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**EHS Training Topic:**Chemical & Oil Spill Control

**Technical Training Topic:**Transformer Basics- Its Protection & Testing

**Training Date:** 30.09.2018

**Training Time:** 09:00 am to11:00am (1 hour duration for each training)

**Training Venue:** Conference Room

**Number of participant:** 22

**Total Man hour:** 44

**Covers in Areas:**Different forms of gases, Types of gases, introduce of Cylinder parts, Safety instruction for safe use of compressed gas cylinder, Safe handling practice, safely storage of compressed gas cylinder, Extra precaution for flammable gas cylinder and poisonous gas cylinder. Some unsafe condition about compressed gas cylinder storage.

**Pictures of the Training**





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**ATTENDANCE SHEET**

Date: 30.09.18



Monthly EHS & Technical Training (Sep-18)

S/N	Name of Attendees	Department	Signature
1	Koushik Ahmed	OPN	
2	Md. Moktar Hossain	EHS	
3	Md. Mozibur Rahman	EMD	
4	Md. Mustafiz Ussaleem	EMD	
5	Ahmedul Haque	EMD	
6	Ashik Ahmed	MMD	
7	KM Shehal	A&P	
8	Mostafa Meraj Hossain	ISC	
9	Asif ul Alam	A&P	
10	Md. Raihan Hossain	OPN	
11	Md. Rezaul Karim	A&P	
12	Fazrul Ahmed	A&P	
13	Md. Ismail Hossain	EMD	
14	Md. Saikat Ali Sikder	EMD	
15	A.S.M. NAZIBULLAH	EHS	
16	Tannir Chowdhury	A&P	
17	Abu Bekar Siddik	A&P	
18	Zahidul Islam	MMD	
19	Nouroze Alam	EMD	
20	Mokhtasur Rahman	ISC	
21	S.M. Fahmidur Rahman	ISC	
22	Md. Rana Azim	EMD	

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**9.4.4 OCTOBER'18**



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**EHS Training Topic:** Hazard Communication & Flammable Materials Handling

**Technical Training Topic:** Chiller Control & Operation principle

**Training Date:** 23.10.2018

**Training Time:** 09:30 am to 11:30am (1 hour duration for each training)

**Training Venue:** Conference Room

**Number of participant:** 29

**Total Man hour:** 58

**Covers in Areas:** Hazard Control Hierarchy, Sources of Hazard Categories, GHS Hazard Communication, OSHA's Hazard Communication standard, chemical labels and safety data sheets (SDS). Key GHS Words, Role of the SDS in the GHS, Guiding principles of GHS Hazard Communication. Detail about flammable materials and handling practice. Plant SOP for flammable materials, PPEs for flammable materials etc

**Pictures of the Training**





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**ATTENDANCE SHEET**

Date: 23/10/18

Monthly EHS & Technical Training (Oct-18)

S/N	Name of Attendees	Department	Signature
01	Muhammad Sakawatul Bari	MMD	S. Bari
02	Md. Salim	MMD	[Signature]
03	Mokhlisur Rahman	ISC	[Signature]
04	KM Shihel	ASP	[Signature]
05	Rohan Uddin	OPN	[Signature]
06	K.M. Ejaz-ul-Ambia	operation	[Signature]
07	KHATRUL ALAM	operation	[Signature]
08	Rashed Muhammad Yaqub	operation	[Signature]
09	MD. ASIF ZAMAN	OPD	[Signature]
10	Abu Bakr Siddik	ASP	[Signature]
11	S.M Fahmidur Rahman	ISC	Sharis
12	Gouram Kumar Nath	ASP	[Signature]
13	SK. NUR ISLAM	ISC	[Signature]
14	Aslam (Md. Aslam)	MMD	[Signature]
15	Sujan debnath	MMD	[Signature]
16	Md. Abjal Hossain	MMD	Abjal
17	Md. Sawkat Ali Sikder	EMD	[Signature]
18	Md. Nizam Uddin	MMD	[Signature]
19	Rezwana Ahmed	EMD	[Signature]
20	Rafi Md. Shamin Hossain	MMD	[Signature]
21	Zahirul Islam	MMD	[Signature]
22	Nawroz Alam	EMD	[Signature]
23	Mastofa Meraj Ashu	ISC	[Signature]
24	Ashis Kumar Das	ASP	[Signature]
25	Md. Ismail Hossain	EMD	[Signature]



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**9.4.5 NOVEMBER'18**



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<b>TITLE: EHS TRAINING REPORT</b>	

**EHS Training Topic:**Work Permit (Work permit, hot work permit, confined work permit, Excavation permit,work at height Etc)

**Technical Training Topic:**Maintenance skill on Rotating Equipment

**Training Date:** 18.11.2018

**Training Time:** 09:00 am to11:00am (1 hour duration for each training)

**Training Venue:** Conference Room

**Number of participant:**32

**Total Man hour:** 64

**Covers in Areas:**refreshing of Plant work permit system, Different types of work permit, Responsible person for approval of work permit, Safety measures before taking work permit. PPEs for safety work practices, PPE matrix, Emergency preparedness plan etc.

**Pictures of the Training**





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Date: 18/11/18

Monthly EHS & Technical Training (Nov-18)

S/N	Name of Attendees	Department	Signature
1	Muhammad Sakawatul Bari	MMD	S. Bari
2	Md. Nizam Uddin	MMD	M. Nizam
3	Md. MIZANUR RAHMAN	MMD	M. Rahman
4	Md. Abjal Hossain	MMD	A. Hossain
5	Suprobhat Kr. Chhosh	I & E	S. Chhosh
6	Md. Ismail Hossain	EMD	I. Hossain
7	Md. Abdolman	MMD	A. Man
8	Sujan debnath	MMD	S. Debnath
9	Md. Hanim Hossain	"	H. Hossain
10	Tanvir Chowdhury	A & P	T. Chowdhury
11	Md. Moktar Hossain	EHS	M. Hossain
12	Faisal Parha	Operation	F. Parha
13	Md. Morisu Rahman	IDL	M. Rahman
14	Mostafa Meraj Parha	I & C	M. Parha
15	Md. Musfiqul-Uz-Zakur	EMD	M. Zakur
16	Md. Mahibul Rahman OPN	EMD	M. Rahman
17	Md. Rana Asim	Emo	R. Asim
18	Goutam Kumar Naha	A & P	G. Naha
19	SK. NUR ISLAM	I & E	S. Islam
20	S.M Fahmidan Rahman	I & C	S. Rahman
21	Rezwana Ahmed	I & C	R. Ahmed
22	MD. ASIF ZAMAN	OPD	A. Zaman
23	RAFIUL HOQUE BHUIYAN	OPD	R. Bhuiyan
24	Najir Chowdhury	OPD	N. Chowdhury
25	Sariful Islam	OPN	S. Islam



26 Khandaker Ashique Rahman OPN




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**9.4.6 DECEMBER'18**



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**Technical Training Topic:**Significance of Measurement of Earth Resistance for different Installations

**Training Date:** 06.12.2018

**Training Time:** 10:30 am to12:30am (1 hour duration)

**Training Venue:** Conference Room

**Number of participant:**19

**Total Man hour:** 19

**Covers in Areas:**What is a ground , What is a ground How Earth Resistivity is Measured, Practical Example of Test Method,Type of Soil Affects Resistivity,Resistivity Decreases with Moisture and Dissolved Salts,Effect of Temperature on Earth Resistivity,Seasonal Variations in Earth Resistivity,Determining a Good Electrode Location,Factors That Can Change Your Minimum Earth Resistance,Factors Influencing Requirements for a Good Grounding system, Nature of an Earth Electrode,Basic Test Methods for Earth Resistance.

**Pictures of the Training**





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*Monthly Technical training (Dec-18)*

Date: 06/12/18

S/N	Name of Attendees	Department	Signature
01	Md. Moniruzzaman	I/O	[Signature]
02	Mostafa Moraj Pasha	ISC	[Signature]
03	Suprabhat Kr. Ghosh	ISC	[Signature]
04	Md. Salim	MMD	[Signature]
05	Md. Mizanur RAHMAN	MMD	[Signature]
06	Md. Aslem	M.M.D.	[Signature]
07	Kaif Md Sharim Hossain	MMP	[Signature]
08	Muhammad Sakawatul Bari	MMD	[Signature]
09	Md. Abjal Hossain	mmd	[Signature]
10	Goutam Kumar Nath	ASP	[Signature]
11	Ashik Ahmed	MMD	[Signature]
12	Zahirul Islam	MMD	[Signature]
13	MD ASIF ZAMAN	OPD	[Signature]
14	Saiful Islam	DPN	[Signature]
15	Md. Musfiqur-Rasheed	EMD	[Signature]
16	Md. Saikat Ali Sikder	EMD	[Signature]
17	Faizal Parha	OPN	[Signature]
18	KH. MONIRUZZAMAN	mmd	[Signature]
19	chance al	mmd	[Signature]


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**9.4.7 JANUARY'19**



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**EHS Training Topic:** EHS Policy & Practice, Grievance Redressing Procedure

**Technical Training Topic:** Blackout Management and Abnormal Operation

**Training Date:** 21.01.2019

**Training Time:** 09:15 am to 11:15 am (1 hour duration for each training)

**Training Venue:** Conference Room

**Number of participant:** 28

**Total Man hour:** 56

**Covers in Areas:** Description of EHS policy, practice and procedures. Emergency response procedure, designated assembly points location. PPE, Confined Space, Fire Hazard, Waste Management, Smoking Prohibition area, Location of First aid kit, Accident reporting procedure, Accident investigation procedure, Grievance management procedure and addressing practice. Blackout conditions, preparation for blackout operation, checklist for blackout operation, Action required, emergency diesel generator operation, power normalization from blackout operation.

**Pictures of the Training**





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**ATTENDANCE SHEET**

Monthly EHS & Technical Training (Jan-19)

Date: 21/01/19

S/N	Name of Attendees	Department	Signature
01	Muhammad Sakawatul Bari	MMD	S. Bari
02	Md. Nizam Uddin	MMD	Md. Nizam Uddin
03	Kamrul Hossain	OPN	Kamrul Hossain
04	Tanjilur Rahman	OPN	Tanjilur Rahman
05	Md. Shamim Hossain	MMD	Md. Shamim Hossain
06	Md. Abu Rayhan Saikat	<del>MMD</del>	<del>Md. Abu Rayhan Saikat</del>
07	Md. Jabbarul Rahman	MMD	Jabbarul Rahman
08	Md. Aslam	MMD	Md. Aslam
09	Md. Moktar Hossain	EHS	Md. Moktar Hossain
10	Nawroz Alam	BIJ	Nawroz Alam
11	K. B. HONG	PM	K. B. HONG
12	MD YIC	MMD	MD YIC
13	MD. RANA AZIM	EMD	MD. RANA AZIM
14	ASHIK AHMED	MMD	ASHIK AHMED
15	ASIF ZAMAN	OPD	ASIF ZAMAN
16	MIZANUR RAHMAN	MMD	MIZANUR RAHMAN
17	Md. Rezau Karim	ASP	Md. Rezau Karim
18	Fajrul Ahmmed	AVV	Fajrul Ahmmed
19	NADIR HOSSAIN	OPD	NADIR HOSSAIN
20	Tanvir Chowdhury	ASP	Tanvir Chowdhury
21	Md. Masrur Rahman	IMC	Md. Masrur Rahman
22	MC PUK	OPN	MC PUK
23	Gouram Kumar Das	ASP	Gouram Kumar Das
24	Ashis Kumar Das	ASP	Ashis Kumar Das
25	Ahmedul Haque	BMD	Ahmedul Haque
26	Konshik Ahmed	OPN	Konshik Ahmed
27	Md. Raham Hossain	OPN	Md. Raham Hossain
28	MD. ASIF AL ALAM	IT-ASP	MD. ASIF AL ALAM


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**9.4.8 FEBRUARY'19**



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**EHS Training Topic:** Emergency Response Plan

**Technical Training Topic:** Multi stage pump maintenance

**Training Date:** 06.02.2019

**Training Time:** 09:00 am to 11:00 am (1 hour duration for each training)

**Training Venue:** Conference Room

**Number of participant:** 27

**Total Man hour:** 54

**Covers in areas:** Definition of emergency. Briefly describe emergency response procedure. Assembly points numbers and locations. Fire emergency procedure, Chlorine emergency procedure, Bomb threat procedure, Oil spill and response procedure, structural collapse emergency, high voltage emergency, community evacuation procedure, emergency response team members, fire fighting & rescue equipments, emergency communication method. Pump & pipe fitting design, multistage pump maintenance, mechanical seal working principle etc.





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Monthly EHS & Technical Training (Feb-19)

Date: 06/02/19

S/N	Name of Attendees	Department	Signature
1	Md. Moniruzzaman	DM	
2	MD. ASIF ul Alam	IT - A&P	
3	MD. RANA AZIM	EMD	
4	Tanvir chowdhury	A & P	
5	Md. Nizam Uddin	MMD	
6	<del>MD. Shamim Hossain</del>	MMD	
7	Zahirul Islam	MMD	
8	Md. Abjal Hossain	MMD	
9	Sujan debnath	MMD	
10	Md. Rezaul Karim	A&P	
11	EM SAIFUL ISLAM	A&P	
12	EM Shkel	A&P	
13	Rohan Uddin	OPN	
14	Saiful Islam	OPN	
15	Khandaker Adul Kader Rahman	OPN	
16	Supriyat Kumar Choudh	ISE	
17	Md. Raikam Hossain	OPN	
18	Md. Moktas Hossain	A&P	
19	Goutam Kumar Das	A&P	
20	M. Sakawatul Bari	MMD	
21	Mousoz Ahmed	EMD	
22	Mokhtasur Rahman	ISE	
23	Fayzul Ahmmed	A&P	
24	MD. ASIF ZAMAN	OPD	
25	KAFIUL HOQUE	OPD	





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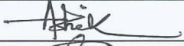





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ATTENDANCE SHEET

Monthly EHS & Technical Training (Feb-19)

Date: 06/02/19

S/N	Name of Attendees	Department	Signature
26	ASHIK AHMED	MMD	
27	Md. Ismail Hossain	EMD	

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**9.4.9 MARCH'19**



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Date: 27/03/19

Monthly EHS & Technical Training (March-19)

S/N	Name of Attendees	Department	Signature
01	Md. Rahat Kishi Dipu	ASP	[Signature]
02	Goutam Kumar Nath	ASP	[Signature]
03	Mostafa Meraj Pasha	ISC	[Signature]
04	Kazi Md. Sharin Hossain	MMD	[Signature]
05	Md. Moktar Hossain	ASP	[Signature]
06	Tanvir Hossain Chakraborty	ASP	[Signature]
07	Fazrul Ahmmed	ASP	[Signature]
08	GM Saikat Islam	ASP	[Signature]
09	Ahmedul Haque	EMD	[Signature]
10	MD. RAZA AZIM	BMD	[Signature]
11	R M Siddiq	ASP	[Signature]
12	Ashur AHMED	MMD	[Signature]
13	MD. ASIF ZAMAN	OPD	[Signature]
14.	SK. MUK ISLAM	ISC	[Signature]
15.	Abu Bakkar Siddik	ISC	[Signature]
16.	Md. Ismail Hossain	EMD	[Signature]
17.	Suprohat Ky. Khatun	ISC	[Signature]
18	chauchal Khondaker	MMD	[Signature]
19	Sujan	MMD	[Signature]
20	Md. Saikat Ali Sikder	EMD	[Signature]
21	Mokhlasur Rahman	ISC	[Signature]
22	Jabaidur	MMD	[Signature]
23	Mowtaze Ahmed.	BMS	[Signature]
24	Md. Abdul Hossain	MMD	[Signature]
25	Md. MIRANUR RAHMAN	MMD	[Signature]
26	Md. Rezaul Karim	ASP	[Signature]


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9.4.10 APRIL'19



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<b>TITLE: EHS TRAINING REPORT</b>	

**EHS Training Topic:** Basic Electrical Safety Training

**Technical Training Topic:** RMS Control System

**Training Date:** 30.04.2019

**Training Time:** 10:00 am to 12:00 pm (1 hour duration for each training)

**Training Venue:** Conference Room

**Number of participant:** 28

**Total Man hour:** 56

**Covers in areas:** Basic Electrical safety training covered to be familiar with electricity fundamental concepts, recognize electrical hazards and familiar with the effects of electricity on the human body.

RMS Control System training control the topology at RMS, to know the control philosophy of RMS equipment according to side requirement, function of each instrument of RMS, metering system of RMS.

**Pictures of the Training**





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**ATTENDANCE SHEET**

Date: 30/04/19

Monthly EHS & Technical Training (April-19)

S/N	Name of Attendees	Department	Signature
01	Md. Sharin Hossain	Maint. Mech.	[Signature]
02	Sujan Deb Nath	MMD	[Signature]
03	Suprochhat Kr. Ghosh	ISC	[Signature]
04	Abhir Ahmed	MMD	[Signature]
05	Anup Paul	Opn	Anup
06	S.M Fahmidur Rahman	ISC	[Signature]
07	Abu Bakar Siddik	ISC	[Signature]
08	Md. Mouruzaman	IN	[Signature]
09	Md. Obaidur Rahman	EMD	[Signature]
10	Md. Raihan Hossain	Opn	Raihan
11	Md. Jabaidur Rahman	MMD	Jabaidur
12	SK. NUR. ISLAM	ISC	[Signature]
13	Md. Moktar Hossain	EHS	[Signature]
14	Mostofa Merya Parsha	ISC	[Signature]
15	Md. Mahibub Rahman opn	EMD	[Signature]
16	Muhammad Sakawatul Bari	MMD	S. Bari
17	Fajal Ahmed	ACP	[Signature]
18	Md. Rezaul Karim	ACP	[Signature]
19	Md. Rauf Azim	EMD	[Signature]
20	Md. Saikat Ali Sikder	EMD	[Signature]
21	Md. Azizul Alam	IT	[Signature]
22	Konstik Ahmed	OPN	[Signature]
23	Tanvin Chowdhury	A&P	Tanvir
24	Q.M SAIFUR ISLAM	A&P	[Signature]
25	Nowroze Ahmed	EHS	[Signature]
26	Ahmedul Haque	EMD	[Signature]
27	Rahat Kazi Dipu	ACP	[Signature]
28	KM Shihel	ACP	[Signature]

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9.4.11 MAY'19



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**Technical Training Topic:** CCPP Cold Startup in Gas mode & Steam Turbine Operation

**Training Date:** 12.05.2019

**Training Time:** 09:00 am to 10:00 am (1 hour duration)

**Training Venue:** Conference Room

**Number of participant:** 29

**Total Man hour:** 29

**Covers in areas:** GBC start up procedure, GT start up, HRSG cold start up, ST cold start up, ST Bypass operation, ST Rolling preparation, ST synchronization etc.

**Pictures of the Training**







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**ATTENDANCE SHEET**

Monthly Technical Training (May-19)

Date: 12/05/19

S/N	Name of Attendees	Department	Signature
01	Koushik Ahmad	OPN	
02	Merij Basha	IXC	
03	Rashed Muhammad Yasub	OPN	
04	Anup Paul	OPN	
05	MD. ASIF ZAMAN	OPN	
06	K.M. Ezzul-Ambia	OPN	
07	Md. Saikat Ali Sikder	EMD	
08	MD. RANA AFI	EMD	
09	Ahmedul Haque	EMD	
10	Fayzul Ahmmed	A&P	
11	MD. Asif ul Alam	IT	
12	S.M Fahmidur Rahman	IXC	
13	Mokhlavur Rahman	IXC	
14	SK. NUR ISLAM	IXC	
15	Zahirul Islam	MMD	
16	Sujan Kumar Deb Nath	MMD	
17	Obaidur Rahman	EMD	
18	Md. Moniruzzaman	IXC	
19	Md. Moktar Hossain	A&P	
20	Hd. Salim.	M.M.D	
21	Muhammad Sakawatul Bari	MMD	
22	Jabbarun	MMD	
23	CHACHAL	MMD	
24	MD. MIZANUR RAHMAN	M.M.D	
25	Md. Aseem	M.M.	
26	Md. Abjal Hossain	MMD	
27	Kutub Uddin Md. Shafiq	A&P	
28	Rabat Kishi Dipu	A&P	
29	Rovan Uddin	OPN	



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<b>TITLE: EHS TRAINING REPORT</b>	

**EHS Training Topic:** Work Permit (Work Permit, Hot Work Permit, Confined work permit, Excavation permit, work at height etc.)

**Training Date:** 13.05.2019

**Training Time:** 09:00 am to 10:00 am (1 hour duration)

**Training Venue:** Conference Room

**Number of participant:** 28

**Total Man hour:** 28

**Covers in areas:** Refreshing of plant work permit system, Different types of work permit, responsible person for approval of work permit, safety measures before taking work permit, PPEs for safety work practices, PPE matrix, emergency preparedness plan etc.

**Pictures of the Training**





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Monthly EHS Training (May-19)

Date: 13/05/19

S/N	Name of Attendees	Department	Signature
01	Md. Saifur Ali Sikdere	EMD	
02	Ahmedul Haque	EMD	
03	Kazi Md. Sharin Hossain	MMD	
04	MD. RANA AZIM	EMD	
05	Md. Moniruzzaman	IN	
06	Md. Obaidur Rahman	EMD	
07	Md. Moktor Hossain	A&P	
08	Abu Bakar Siddik	ISC	
09	Anup Paul	OPD	
10	Spoutam Kumar Nath	A&P	
11	Muhammad Sakawatul Bari	MMD	
12	MD. ASIF ul Alam	IT	
13	Md. Ismail Hossain	EMD	
14	Md. Rezaul Karim	A&P	
15	Jabbarun	MMD	
16	Zahirul Islam	MMD	
17	MIZANUR RAHMAN	M.M.D	
18	Md. Abul Hossain	MMD	
19	Mastafa Merg Basha	ISC	
20	Rahat Kechi Dipu	A&P	
21	KAM (Siba)	A&P	
22	ASHIK AHMED	MMD	
23	Md. Sakim	MMD	
24	MD. ASIF ZAMAN	OPD	
25	Fayyaz Ahmed	A&P	

26. Tannir Chowdhury

A&P



Tannir

27. gm saiful Islam

A&P

28. NADIR

OPD

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**9.4.12 JUNE'19**



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**EHS Training Topic:** (1) All work related PPE requirement (2) SCBA Operating Practice

**Technical Training Topic:** Maintenance Skill on Control Valves

**Training Date:** 25.06.2019

**Training Time:** 09:00 am to 11:00 am (1 hour duration for each training)

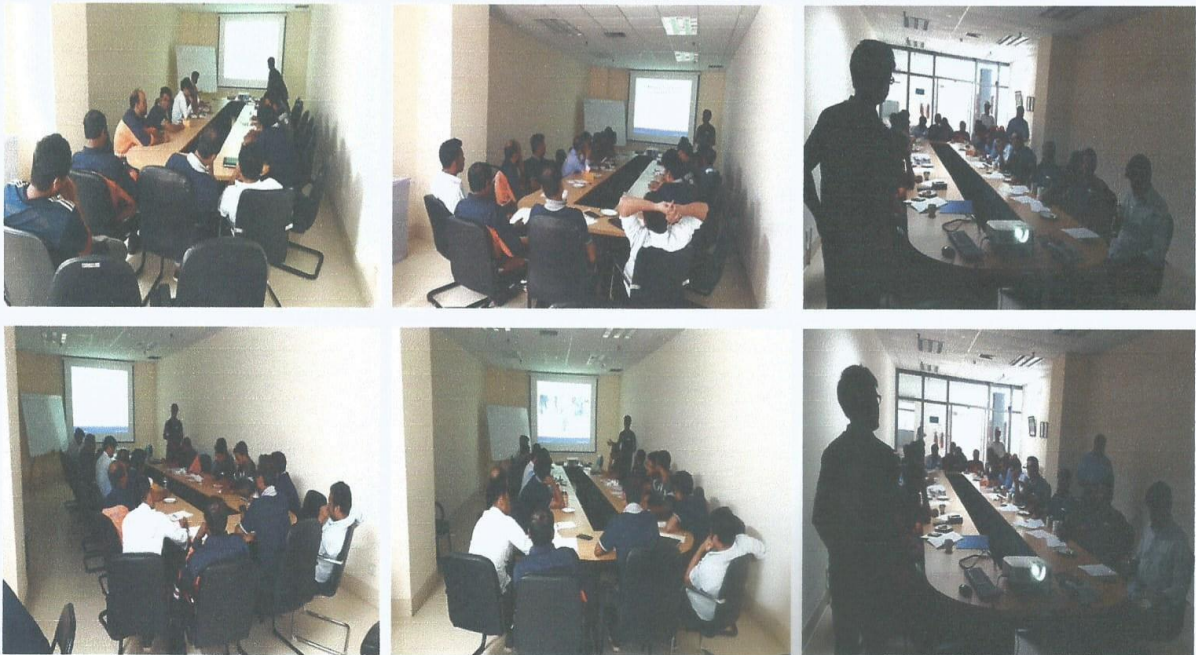
**Training Venue:** Conference Room

**Number of participant:** 29

**Total Man hour:** 58

**Covers in areas:** What is PPE, importance of PPEs, PPE matrix, types of PPE, Hazard elimination hierarchy, understanding different types of breathing apparatus. Operating procedure of SCBA, limitation of SCBA. Definition of control valve, types of control valve, common problem of control valve, maintenance fundamental, maintenance skill and maintenance philosophy of control valve.

**Pictures of the Training**





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**ATTENDANCE SHEET**

Monthly EHS & Technical Training (June-19)

Date: 25/06/19



S/N	Name of Attendees	Department	Signature
01	Suprobhat Kr. Ghosh	I & C	
02	Md. Abjak Hossain	MMD	
03	Goutam Kumar Nath	ASP	
04	SU. NUR ISLAM	I & C	
05	Md. MIZANUR RAHMAN	M.M.D	
06	Md Nizam Uddin	MMD	
07.	Md. Salim.	M.M.D	
08	Sujan Debnath	M.M.D	
09	Muhammad Sakhaatul Bari	MMD	
10.	Abaidur Rehman	EMD	
11.	Md. Moayizur Rahman	EM	
12.	ASHIK AHMED	MMD	
13	Tannir Chowdhury	ASP	
14	Zahirul Islam	MMD	
15	Mokhlakur Rahman	I & C	
16	KM Jabeel	ASP	
17	MD. Asif ul Alam	IT-ASP	
18	Md. Jabeedur Rehman	MMD	
19	S.M Fahmidun Rahman	I & C	
20	Md. Sharim Hossain	MMD	
21	NOVTOZE AHM	EMD	
22	Md. Rezaul Karim	ASP	
23	Md. Rana Azim	EMD	
24	GM SAIFUL ISLAM	ASP	
25	Ahmedul Haque	EMD	



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***9.5 ANNEXURE -5 FIRST AID & BBS TRAINING REPORT***



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**Bangladesh Red Crescent Society**  
**Training Department**

**TRAINING COORDINATOR'S REPORT**

1. **Title of the Training:** Introductory Training on First Aid Refresher.
2. **No. of courses:** 02
3. **Organizer/Host:** Summit Meghnaghat Power Plant Narayangonj.
4. **Venue:** Summit Meghnaghat Power Plant Narayangonj .
5. **Duration:** Day long , 24 & 25 September 2018.
6. **Name of the Facilitators:** Sabina Yasmin, Assistant Director & Course Coordinator  
& Md. Mizanur Rahman Hiron .
7. **No. of participants:** 50  
(a) by gender: Male: 50                      Female: 0                      Total: 50

8. **Pre and Post course evaluation summary:**

Number obtained (%)	
Pre course	Post course
Consolidated	Consolidated

9.
  - 1). Trainer's & participation was well sensitized and very interactive.
  - 2). Good cooperation & well organized by the organizers part.

10. **Constraint/problem/challenges identified (if any):**

If training in the same office- most of participants not fully participate in the session, which may not be appropriate for life safety training, :

11. **Key recommendation by Participants:**

11. **Any other comment:** N/A

(Signature)  
**Ms. Sabina Yasmin**  
**Asstt. Director & Course Coordinator**



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**AimPlus**  
[consultants & trainers]

REPORT: OB & BBS TRAINING



Training date: August 8, 2018

August 9, 2018

Time: 9:30 AM to 4:10 PM

Place: Conference room, Summit Meghnaghat Power Company Ltd.

No. of participants: 59.

Trainers: A I Moqbul Ahmad and Jahangir Hyder of **AimPlus**

Course co-ordinator: Mr. Rezaul Karim, Astt. Manager HR, Summit Meghnaghat Power Company Ltd.

**Training topics discussed (based on the training needs as provided to AimPlus by SMPCL):**

	TOPICS	TRAINER
	<b>Organizational Behavior</b>	
<b>A</b>	<b>KNOW THE WORKPLACE</b>	JH
1	Orientation to work	
2	Organizational structure and change	
3	Organizational culture	
4	Organizational development	
<b>B</b>	<b>KNOW THE PEOPLE</b>	AIMA
1	Characteristics of people/employees	
2	Perception, values and attitudes	
3	People Behavior: Reasons the people behave in different ways	
4	Individual attitude and behavior that bring the change	
<b>C</b>	<b>OVERVIEW OF ORGANIZATIONAL BEHAVIOR</b>	JH
1	Individuals in Organization (Micro-level)	
2	Work groups (Meso-level)	
3	How Organizations behave (Macro-level)	
<b>D</b>	<b>INFLUENCES ON BEHAVIOR AT WORK</b>	AIMA
1	Policies, processes and positions in Organization	
2	Leadership in Organization	
3	Power and politics in organizations	
4	Conflict in Organizations	
<b>E</b>	<b>PATH TO EFFECTIVE ORGANIZATIONAL BEHAVIOR</b>	JH
1	Work motivation	
2	<b>Developing employees' interpersonal relations</b>	
3	Building all round communication	
4	Managing stress and emotions at workplace	
	<b>Behavior Based Safety</b>	
<b>A</b>	<b>KNOW THE PROBLEMS</b>	AIMA
1	Why accidents happen?	
2	Overview of safety performance	
3	Contribution of Human Error to Major Disasters	

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<b>B</b>	<b>KNOW THE SOLUTIONS</b>	JH
1	Safety culture in an organization	
2	Management systems to identify accident causation	
3	Task based risk assessment	
<b>C</b>	<b>PATH TO EFFECTIVE SAFETY</b>	AIMA
1	Understanding behavior based safety	
2	Initiatives that focus on changing the behavior of workers	
3	Methodology for implementation of BBS program	

The objective of the training was to inspire the participants for developing Interpersonal Relations at workplace and have positive attitude & behavior towards using the safety procedures and equipment.

We found the participants highly pleased and appreciated the training and our presentation.

Although it is a big list of topics stated in the Training Needs provided to **AimPlus** by **SMPCL**, we successfully delivered each topic to the understanding of the participants. Many of the participants actively participated in the training and asked questions for their clarification.

There was a group discussion session related to KNOW THYSLEF. The participants identified the Essential Traits required by an employee in **SMPCL**. From that list, the participants identified their own Good Traits that need to be reinforced and use their own behavior/attitude in BBS.

On BBS we have supplied a BBS OBSERVATION CHECK LIST FORM. This CHECK LIST FORM can be customized as per **SMPCL** requirement and should be used on a regular basis.

Training methods we used were, presentation, group discussion, question-answer and a video clip.

**OUR OBSERVATION/RECOMMENDATION:**

Participants were highly pleased with the training program conducted.

This program could be more fruitful if it was a 2-days' program and we could discuss more deeply on each topics to their full understanding and hands on practice.

This sort of training program should consist of number of participants not more than 25, we, however, managed the big audience of around 59.

We have recommended, during the training program, to form BBS Observation Team for regular observation of the BEHAVIOR BASED SAFETY in the workplace. Suggestion came from the audience to include Plant Kitchen in the BBS OBSERVATION CHECK LIST, which we fully support because employees health is the most important part in safety, which many organizations ignore.

Some questions came from the participants that actually relates to Leadership & Supervision. We briefed in short about their queries, and referred to future Leadership Training courses if we are invited to conduct in future.

**THANK YOU NOTE:**

Thanks to Summit Meghnaghat Power Company Ltd. Management for inviting **AimPlus** to conduct such training for its employees. We are pleased to conduct training for this esteemed organization. We sincerely hope, to conduct more training in future including Leadership & Teambuilding, Security



**Summit Meghnaghat Power Company  
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**1<sup>st</sup> July'18 – 30<sup>th</sup> June 2019**



Service Excellence and DRONE LEADERHIP (a high value competency based Leadership program developed by the consultants of **AimPlus**).

Special thanks to Mr. Hong, Ki Bok (Plant Manager) for his presence in the training as well as Mr. Mohammed Mushsinul Alam (DGM, Maint. & Contracts) Mr. Titon Kanti Sen (Manager Procurement & Permits) for their very active participation and Mr. Mohammed Rezaul Karim for successfully organizing this training.



SOME OF THE PICTURES TAKEN DURING THE TRAINING SESSIONS and a copy of certificates.



Long Live **Summit-AimPlus** Cooperation for Advancing Capacity & Effectiveness of Human Capital.

Best regards,  
A I Moqbul Ahmad  
Chief Executive & Lead Trainer  
**AimPlus** [consultants & trainers]



**Summit Meghnaghat Power Company  
Limited  
Annual Public Environmental & Social  
Monitoring Report  
1<sup>st</sup> July'18 – 30<sup>th</sup> June 2019**



**SUMMIT MEGHNAGHAT POWER COMPANY LTD.**

**TITLE: ATTENDANCE SHEET**

Document No: SMPCL-A&P-F-076

Revision No.: 00

Effective Date: 14 Jan 16

Page 1 of 1

**ATTENDANCE SHEET**

**Date: 08.08.2018**

"Organizational Behavior & Behavior based safety training"

S/N	Name of Attendees	Department	Signature
1	MD. MONIRUZZAMAN	ISC	
2	MD. RAHMAN HOSSAIN	Opn	
3	MOSTOFA MERAJ PASHA	ISC	
4	MUHAMMAD SAKHAWATUL BARI	MMD	
5	ZAHIRUL ISLAM	MMD	
6	SUPRDBHAT KUMAR GHOSH	I & C	
7	MD. NIZAM UDDIN	MMD	
8	KHANDOKER MONIRUZZAMAN	MMD	
9	MD. ASLAM - / MD. ASLAM	MMD	
10	MD. SALIM	MMD	
11	MD. Abjal Hossain	MMD	
12	KAZI MD. SHAMIM HOSSAIN	MMD	
13	MD. Saiful Islam	MMD	
14	MD. Muhsinul Alam	Maintenance	
15	Tannir Chowdhury	Admin Planning	
16	MD. Moktar Hossain	EHS	
17	NOUZOZE AHMED	EHS	
18	A.S.M. NAZIBULLAH	"	
19	ASHIK AHMED	MMD	
20	Goutam Kumar Nath	ARP	
21	Titon Karthy Sen	Procurement	
22	MD. Asif ul Alam	IT-ARP	
23	Ahmedul Haque	EMD	
24	MD. Rahat Koki Dipu	ARP	
25	FAYSAL AHMMED	ARP	



**Summit Meghnaghat Power Company  
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1<sup>st</sup> July'18 – 30<sup>th</sup> June 2019**



Document No: SMPCL-A&P-F-076

Revision No.: 00

Effective Date: 14 Jan 16

Page 1 of 1

**SUMMIT MEGHNAGHAT POWER COMPANY LTD.**

**TITLE: ATTENDANCE SHEET**



**ATTENDANCE SHEET**

Date: 08.08.2018

"Organizational Behavior & Behavior based safety training"

S/N	Name of Attendees	Department	Signature
26	KUTUB UDDIN MOHAMMAD SHOHEL	ALP	
27	Md. Nuze Alam Suson	Admin	
28	MD. JEWEL AHMED	A & P	
29	MD. ABUL KALAM AZAD.	Summit	
30	MD. NORAL	ASP	
31	Mohammed Rezaul Karim	ALP	
32	Tonu Rahman	OPN	
33	Md. Belal Hossain	Summit	
34	Rashed Muhammad Yagub	OPN	
35	MD. MUSHJIME-US-SALEM	EMD	
36	SK. NUR ISLAM	ISE	
37	Md. Saikat Ali Sikdere	EMD	
38	Md. Ismail Hossain	EMD	
39	Mohammad Razuan Momi	OPD	
40	Rakib Hossain Khan	Summit	
41	Chandka Sagar Das	Summit	
42	MONIR	ASP.	
43	MD:- Rubel	A.S.P	
44	S.M Fahmidur Rahman	ISE	
45	MD. ASIF ZAMAN	OPD	
46	MOKHLASUR RAHMAN	ISE	
47	Ashis kumar Das	ASP	
48	Faijal Parsh a	OPD	
49	CHAHCHAL.	MMD	
50	MD.MIZANUR RAHMAN	M.MD	



	<p style="text-align: center;"><b>Summit Meghnaghat Power Company Limited</b></p> <p style="text-align: center;"><b>Annual Public Environmental &amp; Social Monitoring Report</b></p>	
<p style="text-align: center;"><b>1<sup>st</sup> July'18 – 30<sup>th</sup> June 2019</b></p>		

***9.6 ANNEXURE -6 AMBIENT AIR TEST REPORT***





**Summit Meghnaghat Power Company  
Limited**  
**Annual Public Environmental & Social  
Monitoring Report**  
**1<sup>st</sup> July'18 – 30<sup>th</sup> June 2019**



**ADVANCING EXCELLENCE  
IN BANGLADESH**



**AMBIENT AIR QUALITY ANALYSIS REPORT**

**Name of the Client** : Summit Meghnaghat Power Company Ltd.  
**Factory Address** : Meghnaghat, Sonargaon, Narayanganj 1441, Bangladesh  
**GPS Location** : N 23°36'42.10' ' & E 90°36'02.90' '  
**Sample collector** : B-ADVANCY Monitoring Team  
**Description of Sample** : Ambient Air Quality Analysis Report (Different Sides of the Plant including a village area)  
**Sampling Date** : October 03, 2018  
**Reporting Date** : October 09, 2018

**Description of Analysis**


Sl. No.	Sample Locations	Concentration present different parameter in Ambient Air ( $\mu\text{g}/\text{m}^3$ )						
		PM <sub>2.5</sub>	PM <sub>10</sub>	SPM	SO <sub>2</sub>	NO <sub>2</sub>	CO	VOC
1	Station-1 (CWS Area)	21	34	33	17	41	427	38
2	Station-2 (Station Area)	16	15	28	15	37	435	42.5
3	Station-3 (Gate Area)	5	7	27	16	45	457	66
4	Station-4(Village)	13	18	24	18	43	489	16
Units		$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
Test Duration (Hours)		24	24	8	24	1	8	24
Method of Analysis		Gravimetri c	Gravimetri c	Gravimetri c	West- Gaeke	Jacob and Hochheiser	Electro- Chemical Sensor	VOC Analyz er
Bangladesh (DoE) Standard		65	150	200	365	100	10,000	500
IFC/ WB Standard		25(24H) <sup>a</sup>	50(24H) <sup>a</sup>	NF	20(24H) a	200(1H)	NF	480
Remark								


Note: CWS: Central Weathering Station

<sup>a</sup> Air Emission and ambient air quality, IFC/ World Bank, 30 April 2007,

<sup>c</sup>Ambient Air Quality in Thermal Power Plant, World Bank Group, 1998

Note: This ambient air monitoring report was usually accomplished by- Respirable Dust Sample (Mode: - Lata Envirotech 860NL), and Combined Dust Sampler ( Model APM250)

  
**Prepared By**  
 Md. Rezaul Karim Khan  
 MS & B.Sc. in Environmental Science(JU)  
 Environmental Services Manager

  
**Reviewed By**  
 Engr. Md. Rubel Miah  
 MS in Environmental Science  
 B.Sc. Engr in IPE (KUET)  
 Technical Manager





Summit Meghnaghat Power Company  
Limited  
Annual Public Environmental & Social  
Monitoring Report  
1<sup>st</sup> July'18 – 30<sup>th</sup> June 2019



ADVANCING EXCELLENCE  
IN BANGLADESH



Appendix:





**Summit Meghnaghat Power Company  
Limited  
Annual Public Environmental & Social  
Monitoring Report  
1<sup>st</sup> July'18 – 30<sup>th</sup> June 2019**



ADVANCING EXCELLENCE  
IN BANGLADESH



**AMBIENT AIR QUALITY ANALYSIS REPORT**

**Name of the Client** : Summit Meghnaghat Power Company Ltd.  
**Factory Address** : Meghnaghat, Sonargaon, Narayanganj 1441, Bangladesh  
**GPS Location** : N 23°36'42.10" & E 90°36'02.90"  
**Sample collector** : B-ADVANCY Monitoring Team  
**Description of Sample** : Ambient Air Quality Analysis Report (Different sides of the plant including a village area)  
**Sampling Date** : 19<sup>th</sup> May, 2019  
**Reporting Date** : 26<sup>th</sup> May, 2019

**Description of Analysis**

Sl. No.	Sample Locations	Concentration present different parameter in ambient air (µg/m <sup>3</sup> )						
		PM <sub>2.5</sub>	PM <sub>10</sub>	SPM	SO <sub>2</sub>	NO <sub>2</sub>	CO	VOC
1	CWP area	19	22	98	18	41	437	41
2	Dormitory Building area	17	42	105	16	36	459	35
3	Jetty Area	15	19	86	17	30	438	44
4	Village Area, Mongolar Gao	18	30	110	18	44	729	29
Units		µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>
Test Duration (Hours)		24	24	8	24	24	8	24
Method of Analysis		Gravimetric	Gravimetric	Gravimetric	West-Gaeke	Jacob and Hochheiser	Electro-Chemical Sensor	VOC analyzer
Bangladesh (DoE) Standard for Ambient Air		65 (24H) <sup>a</sup>	150 (24H) <sup>a</sup>	200 (8 H)	365 (24H) <sup>a</sup>	100 (Annual)	10,000 (8 H)	NF
IFC Standard		25 (24H) <sup>a</sup>	50 (24H) <sup>a</sup>	NF	20 (24H) <sup>a</sup>	200 (1H) <sup>a,b</sup>	NF	NF
Remark		Good	Good	Good	Good	Good	Good	Good

<sup>a</sup> Air Emission and ambient air quality, IFC/ World Bank, 30 April 2007.

<sup>b</sup> available evidence for the future update of the WHO Global Air Guidelines (AQGs) Meeting report, Germany 29, September-1 October 2015.

<sup>c</sup> Ambient Air Quality in Thermal Power Plant, World Bank Group, 1998



Note : This ambient air monitoring report was usually accomplished by- Repairable Dust Sample (Model; - Lata Envirotech 860NL), and Combined Dust Sampler ( Model APM250)

  
**Prepared By**  
 Md. Rezaul Karim Khan  
 MS & B. Sc. in Environmental Science (JU)  
 Environmental Services Manager





  
**Reviewed By**  
 Engr. Md. Rubel Miah  
 MS in Environmental Science  
 B.Sc. Engr in IPE (KUET)  
 Technical Manager

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 www.b-advancy.com

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<p style="text-align: center;"><b>1<sup>st</sup> July'18 – 30<sup>th</sup> June 2019</b></p>		

**9.7 ANNEXURE -7 RIVER WATER TEMP. MONITORING RECORD**

	<b>Summit Meghnaghat Power Company Limited</b> <b>Annual Public Environmental &amp; Social Monitoring Report</b>	
	<b>1<sup>st</sup> July'18 – 30<sup>th</sup> June 2019</b>	

**JULY'18**



		Document No: SMPCL-EHS-F-033
		Revision No.:00
<b>SUMMIT MEGHNAGHAT POWER COMPANY LIMITED</b>		Effective Date: 10 Jan 16
TITLE: RIVER WATER TEMPERATURE MEASUREMENT LOG SHEET		Page 1 of 1

Date	Time	River Water Inlet	River water outlet	Temp Diff	Remarks
01.07.18	8:45am	31.88	33.65	1.77	On GT 2 & ST
	4.25 pm	32.1	33.5	1.4	On GT 2 & ST
02.07.18	8:40am	32.15	33.75	1.6	On GT 2 & ST
	3.30 pm	31.94	34.5	2.56	
03.07.18	8:15am	31.65	34.25	2.6	
	4.25 pm	31.5	34.15	2.65	
04.07.18	8.45am	31.35	33.75	2.4	
	3.30 pm	30.75	33.25	2.5	
05.07.18	8:45am	30.52	33	2.48	
	3.25 am	30.65	33.15	2.5	
06.07.18	8.50 pm	30.78	33.25	2.47	
	3.30 pm	31.25	33.85	2.6	
07.07.18	8:45am	31.38	34	2.62	
	3.20 pm	31.32	33.85	2.53	
08.07.18	9:20am	31.45	33.95	2.5	
	3.30 pm	31.65	34.1	2.45	
09.07.18	8:45am	31.85	34.35	2.5	
	3.30 pm	31.9	34.3	2.4	
10.07.18	8:45am	32.25	34.5	2.25	
	4.15 pm	31.85	34.25	2.4	
11.07.18	9:10am	31.55	33.9	2.35	
	4.25 pm	31.5	33.95	2.45	
12.07.18	9:00am	31.85	34.35	2.5	
	3.30 pm	31.75	34.3	2.55	
13.07.18	8:30am	32.05	34.5	2.45	
	3.40 pm	32.15	34.65	2.5	
14.07.18	8:45am	32.09	34.5	2.41	
	3.30 pm	32.08	34.45	2.37	
15.07.18	8:45am	32	34.35	2.35	
	3.50 pm	32.1	34.5	2.4	
16.07.18	8:30am	32	34.45	2.45	
	3.30 pm	32.06	34.55	2.49	
17.07.18	8:30am	31.95	34.3	2.35	
	3.40 pm	32.15	34.45	2.3	
18.07.18	8:30am	32.2	34.55	2.35	
	3.30 pm	32.05	34.5	2.45	
19.07.18	8:30am	31.95	34.35	2.4	
	3.30 pm	32.15	34.5	2.35	
20.07.18	9:00am	31.88	34.45	2.57	
	4.25 pm	32.45	34.75	2.3	
21.07.18	8:30am	33.15	35.5	2.35	
	3.30 pm	33.25	35.65	2.4	
22.07.18	9:00am	33.15	35.5	2.35	
	3.50 pm	32.28	34.75	2.47	
23.07.18	8:30am	31.75	34.2	2.45	
	4.25 pm	31.5	33.85	2.35	
24.07.18	8:35am	31.45	33.85	2.4	
	3.30 pm	31.28	33.65	2.37	
25.07.18	9:00am	31.15	33.5	2.35	
	3.40 pm	31.48	33.75	2.27	
26.07.18	8:45am	30.88	33.25	2.37	
	4.25 pm	31	33.5	2.5	
27.07.18	8:30am	30.9	33.25	2.35	
	3.30 pm	30.85	33.3	2.45	
28.07.18	9:00am	30.78	33.25	2.47	
	4.25 pm	30.75	33.25	2.5	
29.07.18	8:30am	31.16	33.5	2.34	
	3.30 pm	30.85	33.15	2.3	
30.07.18	8:45am	30.98	33.45	2.47	
	4.25 pm	30.88	33.55	2.67	
31.07.18	8:45am	30.35	33.2	2.85	
	4.25 pm	30.35	33.1	2.75	

**AUG'18**

 	<b>Document No: SMPCL-EHS-F-033</b> <b>Revision No.:00</b> <b>Effective Date: 10 Jan 16</b>
<b>SUMMIT MEGHNAGHAT POWER COMPANY LIMITED</b> <b>TITLE: RIVER WATER TEMPERATURE MEASUREMENT LOG SHEET</b>	<b>Page 1 of 1</b>

Date	Time	River Water Inlet temp	River water outlet temp	Temp Diff	Remarks	Remarks
01.08.18	8:45am	30.55	33.3	2.75		
	4.25 pm	30.45	33.15	2.7		
02.08.18	8:40am	30.55	33.35	2.8		
	3.30 pm	30.56	33.25	2.69		
03.08.18	8:15am	30.65	33.3	2.65		
	4.25 pm	30.7	33.45	2.75		
04.08.18	8:45am	30.5	33.3	2.8		
	3.30 pm	30.66	33.35	2.69		
05.08.18	8:45am	30.85	33.65	2.8		
	3.25 am	30.8	33.5	2.7		
06.08.18	8.50 pm	30.88	33.45	2.57		
	3.30 pm	30.82	33.55	2.73		
07.08.18	8:45am	30.66	33.5	2.84		
	3.20 pm	30.75	33.55	2.8		
	9:20am	30.7	33.45	2.75		
08.08.18	3.30 pm	30.8	33.6	2.8		
09.08.18	8:45am	30.65	33.5	2.85		
	3.30 pm	30.85	33.65	2.8		
10.08.18	8:45am	31.2	33.85	2.65		
	4.15 pm	31.65	34.25	2.6		
11.08.18	9:10am	31.85	34.5	2.65		
	4.25 pm	32.6	35.3	2.7		
12.08.18	9:00am	32.7	35.35	2.65		
	3.30 pm	32.5	35.2	2.7		
13.08.18	8:30am	32.42	35	2.58		
	3.40 pm	32.65	35.25	2.6		
14.08.18	8:45am	32.88	35.35	2.47		
	3.30 pm	33.06	35.5	2.44		
15.08.18	8:45am	33.03	35.55	2.52		
	3.50 pm	33.12	35.66	2.54		
16.07.18	8:30am	33.08	35.6	2.52		
	3.30 pm	33	35.45	2.45		
17.07.18	8:30am	33.25	35.65	2.4		
	3.40 pm	33.08	35.58	2.5		
18.07.18	8:30am	33.15	35.62	2.47		
	3.30 pm	33.05	35.6	2.55		
19.07.18	8:30am	33.25	35.75	2.5		
	3.30 pm	33.16	35.6	2.44		
20.07.18	9:00am	33.22	35.68	2.46		
	4.25 pm	33.18	35.65	2.47		
21.07.18	8:30am	0	0	0		Shutdown
	3.30 pm	0	0	0		Shutdown
22.07.18	9:00am	0	0	0		Shutdown
	3.50 pm	0	0	0		Shutdown
23.07.18	8:30am	0	0	0		Shutdown
	4.25 pm	0	0	0		Shutdown
24.07.18	8:35am	0	0	0		Shutdown
	3.30 pm	0	0	0		Shutdown
25.07.18	9:00am	0	0	0		Shutdown
	3.40 pm	0	0	0		Shutdown
26.07.18	8:45am	0	0	0		Shutdown
	4.25 pm	0	0	0		Shutdown
27.07.18	8:30am	0	0	0		Shutdown
	3.30 pm	0	0	0		Shutdown
28.07.18	9:00am	0	0	0		Shutdown
	4.25 pm	0	0	0		Shutdown
29.07.18	8:30am	0	0	0		Shutdown
	3.30 pm	0	0	0		Shutdown
30.07.18	8:45am	0	0	0		Shutdown
	4.25 pm	0	0	0		Shutdown
31.07.18	8:45am	0	0	0		Shutdown
	4.25 pm	0	0	0		Shutdown

	<p style="text-align: center;"><b>Summit Meghnaghat Power Company Limited</b></p> <p style="text-align: center;"><b>Annual Public Environmental &amp; Social Monitoring Report</b></p>	
<p style="text-align: center;"><b>1<sup>st</sup> July'18 – 30<sup>th</sup> June 2019</b></p>		

**SEP'18**

Plant was shut down condition as there was no demand from BPDB

**OCT'18**

Plant was shut down condition as there was no demand from BPDB

**NOV'18**

Plant was shut down condition as there was no demand from BPDB

**DEC'18**



Plant was shut down condition as there was no demand from BPDB

**JAN'19**



Plant was shut down condition as there was no demand from BPDB

**FEB'19**



Plant was shut down condition as there was no demand from BPDB

	<b>Summit Meghnaghat Power Company Limited</b> <b>Annual Public Environmental &amp; Social Monitoring Report</b>	
	<b>1<sup>st</sup> July'18 – 30<sup>th</sup> June 2019</b>	



MAR'19



				<b>Document No: SMPCL-EHS-F-033</b> <b>Revision No.:00</b> <b>Effective Date: 10 Jan 16</b>	
<b>SUMMIT MEGHNAGHAT POWER COMPANY LIMITED</b>				<b>Page 1 of 1</b>	
<b>TITLE: RIVER WATER TEMPERATURE MEASUREMENT LOG SHEET</b>					
Date	Time	River Water Inlet temp	River water outlet temp	Temp Diff	Remarks
01.3.19		0	0	0	Shutdown
		0	0	0	Shutdown
02.3.19		0	0	0	Shutdown
		0	0	0	Shutdown
03.3.19		0	0	0	Shutdown
		0	0	0	Shutdown
04.3.19		0	0	0	Shutdown
		0	0	0	Shutdown
05.3.19		0	0	0	Shutdown
		0	0	0	Shutdown
06.3.19		0	0	0	Shutdown
		0	0	0	Shutdown
07.3.19		0	0	0	Shutdown
		0	0	0	Shutdown
08.3.19		0	0	0	Shutdown
		0	0	0	Shutdown
09.3.19		0	0	0	Shutdown
		0	0	0	Shutdown
10.3.19		0	0	0	Shutdown
		0	0	0	Shutdown
11.3.19		0	0	0	Shutdown
	3.30 pm	24.3	24.9	0.6	on GT 1
12.3.19	8:45am	0	0	0	Shutdown
	3.45 pm	0	0	0	Shutdown
13.3.19	8:45am	24.2	24.8	0.6	on GT 1 & ST
	4.00 pm	0	0	0	Shutdown
14.3.19	9:00am	25	27.8	2.8	
	3.45 pm	25.8	28.5	2.7	
15.3.19	9:00am	25.6	28.2	2.6	on GT 1 & ST
	3.50 pm	25.8	28.5	2.7	
16.3.19	9:00am	25.7	28.5	2.8	
	3.45 pm	25.7	28.4	2.7	
17.3.19	8:35am	25.8	28.5	2.7	
	4.15 pm	26.2	29	2.8	
18.3.19	8:45am	25.8	28.5	2.7	
	4.15 pm	25.5	28	2.5	on GT 1 & ST
19.3.19	9:00am	25.8	28.4	2.6	on GT 1 & ST
	4.00 pm	25.7	28.3	2.6	on GT 1 & ST
20.3.19	9:00am	26.4	29.2	2.8	
	3.45 pm	26.5	29.2	2.7	
21.3.19	9:00am	26.8	29.2	2.4	on GT 1 & ST
	4.00 pm	26.7	29.3	2.6	on GT 1 & ST
22.3.19	8:45am	26.2	28.8	2.6	on GT 1 & ST
	4.00 pm	26.3	28.7	2.4	on GT 1 & ST
23.3.19	9:00am	26.4	28.9	2.5	on GT 1 & ST
	3.45 pm	26.5	29.3	2.8	
24.3.19	8:45am	27.2	29.5	2.3	on GT 2 & ST
	3.45 pm	27	29.4	2.4	on GT 2 & ST
25.3.19	8:45am	27.1	29.6	2.5	on GT 2 & ST
	3.45 pm	27.2	29.5	2.3	on GT 2 & ST
26.3.19	9:00am	27.3	29.8	2.5	on GT 2 & ST
	4.00 pm	27	29.3	2.3	on GT 2 & ST
27.3.19	8:45am	27.3	29.7	2.4	on GT 1 & ST
	4.00 pm	27.2	29.5	2.3	on GT 1 & ST
28.3.19	9:00am	27.3	29.6	2.3	on GT 1 & ST
	3.45 pm	27	29.5	2.5	on GT 1 & ST
29.3.19	9:00am	27.2	29.8	2.6	on GT 1 & ST
	8:45am	27	29.5	2.5	on GT 1 & ST
30.3.19	8:45am	27.2	29.6	2.4	on GT 1 & ST
	4.00 pm	26.8	29.4	2.6	on GT 1 & ST
31.3.19	8:45am	27	29.5	2.5	on GT 1 & ST
	4.00 pm	26.8	29.4	2.6	on GT 1 & ST





 <b>SUMMIT</b>	<b>Summit Meghnaghat Power Company          Limited</b> <b>Annual Public Environmental &amp; Social          Monitoring Report</b>	
	<b>1<sup>st</sup> July'18 – 30<sup>th</sup> June 2019</b>	



**APRIL'19**

				<b>Document No: SMPCL-EHS-F-033</b> <b>Revision No.:00</b> <b>Effective Date: 10 Jan 16</b>	
<b>SUMMIT MEGHNAGHAT POWER COMPANY LIMITED</b> <b>TITLE: RIVER WATER TEMPERATURE MEASUREMENT LOG SHEET</b>					
Date	Time	River Water Inlet	River water outlet	Temp Diff	Remarks
01.4.19		0	0	0	Shutdown on GT 2 & ST (Startup preparation )
	4.0 pm	28	28.8	0.8	
02.4.19	9.00 am	28.2	29.8	1.6	
	4.15 pm	28.5	30	1.5	
03.4.19	4.15 pm	27.3	30	2.7	
	9.15 am	27.4	30.2	2.8	
04.4.19	9.00 am	27.5	30.3	2.8	
	4.0 pm	27.8	30.5	2.7	
05.4.19	9.15 am	27.7	30.4	2.7	
	3.30 pm	27.8	30.5	2.7	
06.4.19	8.45 am	28	30.8	2.8	
	3.40 pm	28.2	31	2.8	
07.4.19	9.00 am	28.5	31.2	2.7	
	3.45 pm	28.4	31.1	2.7	
08.4.19	9.15 am	28.3	31	2.7	
	3.30 pm	28.4	31.2	2.8	
09.4.19	8.45 am	28.5	31.3	2.8	
	3.20 pm	28.3	31	2.7	
10.4.19	9.15 am	27.6	30.4	2.8	
	3.45 pm	27.5	30.2	2.7	
11.4.19	9.00 am	28	30.8	2.8	
	3.30 pm	28.4	31.1	2.7	
12.4.19	9.15 am	28.2	31	2.8	
	3.30 pm	28.1	30.9	2.8	
13.4.19	9.00 am	28.3	31	2.7	
	3.30 pm	28.2	31	2.8	
14.4.19	9.15 am	28.1	30.9	2.8	
	3.15 pm	28.3	31	2.7	
15.4.19	9.00 am	28.3	31.1	2.8	
	3.00 pm	28.4	31.2	2.8	
16.4.19	9.15 am	28.3	31	2.7	
	3.30 pm	28.5	31.3	2.8	
17.4.19	9.00 am	28.7	31.4	2.7	
	3.15 pm	28.8	31.5	2.7	
18.4.19	9.15 am	29	31.8	2.8	
	3.30 pm	29.6	32.4	2.8	
19.4.19	9.00 am	29.5	32.2	2.7	
	3.15 pm	29.2	31.9	2.7	
20.4.19	9.15 am	29.3	32	2.7	
	3.15 pm	29.4	32.2	2.8	
21.4.19	9.00 am	29.5	32.3	2.8	
	3.30 pm	29.6	32.4	2.8	
22.4.19	9.15 am	29.7	32.5	2.8	
	3.15 pm	29.4	32.1	2.7	
23.4.19	9.00 am	30	32.8	2.8	
	3.30 pm	29.8	32.5	2.7	
24.4.19	9.15 am	30.2	33	2.8	
	3.15 pm	30.6	33.4	2.8	
25.4.19	9.00 am	30.5	33.3	2.8	
	3.15 pm	30.6	33.4	2.8	
26.4.19	9.15 am	30.7	33.5	2.8	
	3.15 pm	30.4	33.1	2.7	
27.4.19	9.00 am	30.5	33.2	2.7	
	3.30 pm	30.4	33.2	2.8	
28.4.19	9.00 am	30.6	33.4	2.8	
	3.15 pm	30.4	33.2	2.8	
29.4.19	9.15 am	30.5	33.2	2.7	
	3.30 pm	31	33.7	2.7	
30.4.19	9.00 am	30.8	33.6	2.8	
	3.30 pm	31.2	34	2.8	



	<b>Summit Meghnaghat Power Company Limited</b> <b>Annual Public Environmental &amp; Social Monitoring Report</b>	
	<b>1<sup>st</sup> July'18 – 30<sup>th</sup> June 2019</b>	

MAY'19

				<b>Document No: SMPCL-EHS-F-033</b>	
<b>SUMMIT MEGHNAGHAT POWER COMPANY LIMITED</b>				<b>Revision No.:00</b>	
<b>TITLE: RIVER WATER TEMPERATURE MEASUREMENT LOG SHEET</b>				<b>Effective Date: 10 Jan 16</b>	
				<b>Page 1 of 1</b>	
Date	Time	River Water Inlet temp	River water outlet temp	Temp Diff	Remarks
01.5.19	9.00 am	30.8	33.6	2.8	
	3.30 pm	31	33.7	2.7	
02.5.19	9.15 am	31.2	34	2.8	
		0	0	0	Shutdown
03.5.19		0	0	0	Shutdown
		0	0	0	Shutdown
04.5.19		0	0	0	Shutdown
		0	0	0	Shutdown
05.5.19		0	0	0	Shutdown
	3.30 pm	31	33.2	2.2	On GT 1
06.5.19	9.00 am	31.2	34	2.8	
	3.15 pm	31.1	33.8	2.7	
07.5.19	9.15 am	31.2	34	2.8	
	2.00 pm	31.1	34	2.9	
08.5.19	9.00 am	31.3	34.1	2.8	
	2.15 pm	31.2	34	2.8	
09.5.19	9.15 am	31.4	34.2	2.8	
	2.00 pm	31.3	34	2.7	
10.5.19	9.00 am	31.4	34.2	2.8	
	2.00 pm	31.3	34.1	2.8	
11.5.19	9.00 am	31.5	34.2	2.7	
	2.00 pm	31.3	34	2.7	
12.5.19	9.15 am	31.5	34.3	2.8	
	2.00 pm	31.4	34.2	2.8	
13.5.19	9.00 am	31.3	34	2.7	
	2.15 pm	31.5	34.3	2.8	
14.5.19	9.15 am	30.4	33.2	2.8	
	2.00 pm	30.8	33.5	2.7	
15.5.19	9.00 am	30.5	33.2	2.7	
	2.15 pm	30.7	33.5	2.8	
16.5.19	9.15 am	31	33.7	2.7	
	2.00 pm	30.9	33.6	2.7	
17.5.19	9.00 am	31.1	33.8	2.7	
	2.15 pm	30.8	33.6	2.8	
18.5.19	9.00 am	30.8	33.5	2.7	
	2.00 pm	30.7	33.5	2.8	
19.5.19	9.15 am	30.6	33.4	2.8	
	2.15 pm	30.5	33.2	2.7	
20.5.19	9.15 am	30.6	33.3	2.7	
	2.15 pm	30.5	33.3	2.8	
21.5.19	9.00 am	30.7	33.5	2.8	
	2.00 pm	30.8	33	2.2	On GT 1
22.5.19	9.15 am	30.7	33.5	2.8	
	2.00 pm	30.6	33.3	2.7	
23.5.19		0	0	0	Shut down
		0	0	0	Shut down
24.5.19	9.00 am	30.5	33.2	2.7	
	2.00 pm	30.8	33.5	2.7	
25.5.19	9.00 am	30.7	33.5	2.8	
	2.00 pm	30.5	33.3	2.8	
26.5.19	9.15 am	30.8	33.6	2.8	
	2.00 pm	30.6	33.3	2.7	
27.5.19	9.00 am	30.9	33.6	2.7	
	2.15 pm	30.8	33.5	2.7	
28.5.19	9.15 am	30.7	33.5	2.8	
	2.00 pm	30.9	33.6	2.7	
29.5.19	9.00 am	31	33.8	2.8	
	2.15 pm	30.9	33.7	2.8	
30.5.19	9.15 am	31	33.7	2.7	
	2.00 pm	31.2	34	2.8	
31.5.19	9.15 am	31.1	33.8	2.7	
	2.00 pm	31.2	33.9	2.7	

	<b>Summit Meghnaghat Power Company Limited</b> <b>Annual Public Environmental &amp; Social Monitoring Report</b>	
	<b>1<sup>st</sup> July'18 – 30<sup>th</sup> June 2019</b>	

**JUNE'19**

				<b>Document No: SMPCL-EHS-F-033</b> <b>Revision No.:00</b> <b>Effective Date: 10 Jan 16</b>	
<b>SUMMIT MEGHNAGHAT POWER COMPANY LIMITED</b>				<b>Page 1 of 1</b>	
<b>TITLE: RIVER WATER TEMPERATURE MEASUREMENT LOG SHEET</b>					<b>Page 1 of 1</b>
Date	Time	River Water	River water	Temp Diff	Remarks
01.06.19	9.00 am	30.8	33.6	2.8	
	2.00 pm	30.7	33.4	2.7	
02.06.19	9.00 am	30.6	33.4	2.8	
	2.00 pm	30.5	33.3	2.8	
03.06.19	8.45 am	30.8	33.6	2.8	
	2.00 pm	30.7	33.5	2.8	
04.06.19	8.45 am	31	33.7	2.7	
	2.00 pm	31	33.8	2.8	
05.06.19	8.45 am	30.5	33.2	2.7	
	2.00 pm	30.8	33.6	2.8	
06.06.19	9.00 am	30.9	33.7	2.8	
	4.00 pm	31	33.7	2.7	
07.06.19	9.00 am	30.8	33.5	2.7	
	3.45 pm	31	33.8	2.8	
08.06.19	9.00 am	30.9	33.7	2.8	
	3.45 pm	31	33.7	2.7	
09.06.19	9.00 am	30.5	33.3	2.8	
	3.45 pm	30.7	33.4	2.7	
10.06.19	9.00 am	31	33.7	2.7	
	4.00 pm	30.8	33.6	2.8	
11.06.19	8.45 am	31	33.8	2.8	
	4.00 pm	30.8	33.5	2.7	
12.06.19	9.00 am	31	33.7	2.7	
	3.45 pm	31.5	34.2	2.7	
13.06.19	9.00 am	31.4	34.2	2.8	
	4.00 pm	31.2	34	2.8	
14.06.19	9.00 am	31.3	34.1	2.8	
	3.45 pm	31.2	34	2.8	
15.06.19	9.00 am	31.5	34.2	2.7	
	3.45 pm	31.4	34.2	2.8	
16.06.19	8.45 am	31.3	34.1	2.8	
	4.00 pm	31.5	34.2	2.7	
17.06.19	9.00 am	31.2	34	2.8	
	4.00 pm	31.4	34.2	2.8	
18.06.19	8.45 am	31.3	34	2.7	
	3.45 pm	31.5	34.3	2.8	
19.06.19	9.00 am	30.8	33.5	2.7	
	4.00 pm	31.2	34	2.8	
20.06.19	8.15 am	31.5	34.2	2.7	
	3.45 pm	31	32.8	1.8	On GT 1
21.06.19	8.45 am	31.6	34.3	2.7	
	4.00 pm	31.5	34.3	2.8	
22.06.19	8.45 am	31.8	34.5	2.7	
	3.45 pm	31.7	34.5	2.8	
23.06.19	8.15 am	31.8	34.6	2.8	
	3.45 pm	32	34.7	2.7	
24.06.19	8.45 am	32.1	34.8	2.7	
	4.00 pm	32.2	35	2.8	
25.06.19	8.15 am	32.3	35	2.7	
	3.45 pm	32	34.8	2.8	
26.06.19	8.30 am	32.1	34.8	2.7	
	4.00 pm	32.2	35	2.8	
27.06.19	8.45 am	32.4	35.2	2.8	
	3.45 pm	32.5	35.3	2.8	
28.06.19	8.15 am	32.4	35.1	2.7	
	4.00 pm	32.3	35	2.7	
29.06.19	8.15 am	32.2	35	2.8	
	3.45 pm	32.4	35.2	2.8	
30.06.19	8.45 am	32.5	35.3	2.8	
	4.00 pm	32.4	35.1	2.7	



### 9.8 ANNEXURE -8 NOISE MONITORING RECORD

#### RESIDENTIAL AND MIXED ZONE



SN	Summit Meghnaghat Power Company Limited	Running		ShutDown		ShutDown		ShutDown		ShutDown		ShutDown		ShutDown		Running		Running		Running		Running			
	Nearby 450 MW Old Plan	Running		Running		Running		ShutDown		Running		Running		Running		Running		Running		Running		Running			
		Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
	IFC Limit Value (Mixed Zone)	55	45	55	45	55	45	55	45	55	45	55	45	55	45	55	45	55	45	55	45	55	45	55	45
	DOE Limit Value (Mixed Zone)	60	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50
	DOE Limit Value	55	45	55	45	55	45	55	45	55	45	55	45	55	45	55	45	55	45	55	45	55	45	55	45
	Date of Record	30-Jul-18		28-Aug-18		29-Sep-18		26-Oct-18		20-Nov-18		19-Dec-18		29-Jan-19		22-Feb-19		27-Mar-19		22-Apr-19		22-May-19		22-Jun-19	
1	Dudghata Village	41.5	41	40.3	40	41.4	40.5	37.2	36.8	37.5	37	37.8	37.2	37.5	37	38.5	38	39.8	39.2	40.8	40	46	40.2	39.8	39.4
3	Ganga Nagar Village (Mixed Zone)	49.4	48.8	48.3	48	48.5	48	41.5	41	41.6	41.2	40.8	40.4	40.5	40.2	41.6	41.1	42.6	42.2	43.8	43.2	42.7	42.3	42.8	42.4



#### INDUSTRIAL ZONE



SN	Summit Meghnaghat Power Company Limited	Running		Shutdown		Shutdown		Shutdown		Shutdown		Shutdown		Shutdown		Running		Running		Running		Running			
	Nearby 450 MW Old Plan	Running		Running		Running		Shutdown		Running		Running		Running		Running		Running		Running		Running			
		Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
	IFC Limit Value (Industrial)	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
	DOE Limit Value (Industrial)	75	70	75	70	75	70	75	70	75	70	75	70	75	70	75	70	75	70	75	70	75	70	75	70
	Date of Record	28-Jul-18		27-Aug-18		30-Sep-18		25-Oct-18		18-Nov-18		13-Dec-18		28-Jan-19		21-Feb-19		24-Mar-19		17-Apr-19		26-May-19		24-Jun-19	
1	North - East (Boundary 01)	51.2	50.8	50	49.8	50.8	50	40.5	40.2	51.4	51	57.6	57	57.5	57.2	53.5	53.1	53.8	53.5	54.7	54.2	55.5	55.2	55.1	54.7
2	North - East (Boundary 02)	53	52.8	52.3	52	52.4	52	40	39.8	52.5	52.1	55.7	55.2	55.5	55	55.5	55.2	56.6	56.2	57.8	57.2	58.5	58.3	59	58.2
3	South - East	57.2	57	56.8	56.2	57	56.4	40.4	40	57.5	57.2	58.7	58.2	59.5	59	60.6	60.3	62.6	62.2	62.8	62.2	62.5	62	61.8	62.3
4	South Boundary 01	47	46.8	45.2	44.8	45	44.7	40.5	39.9	46.8	46	48.7	48.3	48.5	48.2	48.6	48.2	49.8	49.5	50.5	50	51.3	51	49.9	50.1
5	South Boundary 02	46.58	46	44.3	43.8	44.5	44	41.8	41	45	44.7	47.6	47.2	44.8	44.5	46.5	46.1	46.5	46.1	47.8	47.2	49.4	49.1	50.3	49.7
6	West Boundary	57.8	57.5	50.8	50.2	51	50.5	42.5	42.1	42.4	42	45.5	45.1	46.5	46.2	47	46.8	60.6	60.2	61.8	61.2	60.4	60	60.7	61.5
7	North - west Boundary	60.8	60.2	47.2	46.8	47.5	47	43.5	43	41.4	41.1	43.5	43.2	58.5	58	57.6	57.2	65.6	65.3	66.8	66.3	65.8	65.3	66.5	67

	<b>Summit Meghnaghat Power Company Limited</b> <b>Annual Public Environmental &amp; Social Monitoring Report</b>	
	<b>1<sup>st</sup> July'18 – 30<sup>th</sup> June 2019</b>	



### 9.9 ANNEXURE -9 WASTE GENERATION AND DISPOSAL RECORD

		<b>SUMMIT MEGHNAGHAT POWER COMPANY LTD.</b> <b>TITLE: WASTE GENERATION &amp; DISPOSAL RECORD</b>												Document No: SMPCL-EHS-F-039 Revision No: 00 Effective Date: 10 Jan 16
<b>Amount of waste Generated in Operation Phase July'18 to June'19</b>														
Month	Paper (Drum)	Intake waste (Drum)	plastic (Drum)	Kitchen waste (Drum)	Mud Cake (kg)	Sludge (Kg)	Remarks/Disposal Mechanism	Syringe/ Medicine/ bandage etc	Remarks	Used Oil/Fuel	Air/Oil/Fuel Filters (pcs)	Fuel/Oil soaked Cloth (Kg)	Remarks	
1 July'18	5	nil	nil	123	15	nil	Mud cake has been used for landfilling	nil		nil	nil	nil		
2 August'18	2	nil	nil	73	39	nil	Mud cake has been used for landfilling	nil		nil	nil	nil		
3 September'18	5	nil	nil	109	16	nil	Mud cake has been used for landfilling	nil		nil	nil	nil		
4 October'18	3	nil	nil	102	15	nil	Mud cake has been used for landfilling	nil		nil	nil	nil		
5 November'18	2	nil	nil	93	55	nil	Mud cake has been used for landfilling	nil		nil	nil	nil		
6 December'18	3	nil	nil	74	50	nil	Mud cake has been used for landfilling	nil		nil	nil	nil		
7 January'19	3	Nil	Nil	100	50	Nil	Mud cake has been used for landfilling	Nil		Nil	Nil	Nil		
8 February'19	1	Nil	Nil	81	78	Nil	General waste has been handed over to contractor	1		Nil	Nil	Nil		
9 March'19	4	Nil	Nil	102	120	Nil	General waste has been handed over to contractor	Nil		Nil	Nil	Nil		
10 April'19	2	Nil	Nil	89	40	Nil	General waste has been handed over to contractor	Nil		Nil	Nil	Nil		
11 May'19	2	Nil	Nil	103	60	Nil	General waste has been handed over to contractor	Nil		Nil	Nil	Nil		
12 June'19	1	Nil	Nil	76	50	Nil	General waste has been handed over to contractor	Nil		Nil	Nil	Nil		

		<b>SUMMIT MEGHNAGHAT POWER COMPANY LTD.</b> <b>TITLE: WASTE GENERATION &amp; DISPOSAL RECORD</b>												Document No: SMPCL-EHS-F-039 Revision No: 00 Effective Date: 10 Jan 16
<b>Amount of waste Generated in Operation Phase July'18 to June'19</b>														
Month	Paper (Drum)	Intake waste (Drum)	plastic (Drum)	Kitchen waste (kg)	Mud Cake (kg)	Sludge (kg)	Remarks/Disposal Mechanism	Syringe/ Medicine/ bandage etc	Remarks	Used Oil/Fuel	Filters-- Air/Oil/Fuel (pcs)	Liquid soaked Cloth (kg)	Remarks	
1 July'18	5	nil	nil	123	nil	nil	Sanitary dumping in Municipality by approved contractor	nil		nil	Used oil Filter 40 pcs	55	used oil filters were kept in designated place to reuse, Presently the conditions of filters are not suitable for reuse, for this reason all used filters have been disposed through Yar	
2 August'18	2	nil	nil	73	nil	nil	Sanitary dumping in Municipality by approved contractor	nil		nil	nil	nil		
3 September'18	5	nil	nil	109	nil	nil	Municipality by approved contractor	nil		nil	nil	nil		
4 October'18	3	nil	nil	102	nil	nil	Sanitary dumping in Municipality by approved contractor	nil		nil	nil	nil		
5 November'18	2	nil	nil	93	nil	nil	Sanitary dumping in Municipality by approved contractor	nil		nil	nil	nil		
6 December'18	3	nil	nil	74	nil	nil	Municipality by approved contractor	nil		nil	nil	nil		
7 January'19	3	Nil	Nil	100	Nil	Nil	Sanitary dumping in Municipality by approved contractor	Nil		Nil	Nil	Nil		
8 February'19	1	Nil	Nil	81	Nil	Nil	Sanitary dumping in Municipality by approved contractor	1	incineration by Prism B	Nil	Nil	Nil	Expired items were kept in designated place and disposed in Feb'19 to Prism Bangladesh	
9 March'19	4	Nil	Nil	102	Nil	Nil	Sanitary dumping in Municipality by approved contractor	Nil		Nil	Nil	Nil		
10 April'19	2	Nil	Nil	89	Nil	Nil	Municipality by approved contractor	Nil		Nil	Nil	Nil		
11 May'19	2	Nil	Nil	103	Nil	Nil	Municipality by approved contractor	Nil		Nil	Nil	Nil		
12 June'19	1	Nil	Nil	76	Nil	Nil	Sanitary dumping in Municipality by approved contractor	Nil		Nil	Nil	Nil		

	<p align="center"><b>Summit Meghnaghat Power Company Limited</b></p> <p align="center"><b>Annual Public Environmental &amp; Social Monitoring Report</b></p>	
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***9.10 ANNEXURE -10 MOCK DRILL REPORT***

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**Date: 19.08.2018**

## Earthquake, Explosion & Sstructure Collapse Emergency

### Description of Emergency Scenario

12:15 hrs: Mr. Rafiq (field supervisor) informed to control room that there is an structural collapse happened beside the HRSG -1

12:17 hrs : After verifying the situation As per section no. 2.4.2.1 of SMPCL-EHS-004 procedure. Emergency siren was activated & Emergency situation was declared by Incident commander and announced by emergency coordinator via PA system & walkie-talkie.

12:21 hrs : As per section 2.2.5 of SMPCL-EHS-004 procedure, All KPS employees, drivers, contractors labors, kitchen staffs, office staffs were gathered at designated assembly point. Head count was done by assembly point coordinator and informed to emergency coordinator.

12:24 hrs: As per section no. 2.4.3 of SMPCL-EHS-004 procedure, Emergency response coordinator checked the number of person with the last updated entry and exit record & found no person was missing

12:26 hrs: Emergency response team mobilized as per Incident commander's instruction.

12:32 hrs : The affected area was barricaded using caution tape.

12:36 hrs : Final Head count of all assembly points was done & informed to incident commander that nobody was found missing.

12:38 hrs: Emergency withdrawn by PA system & walkie-talkie

**Incident Area**      Beside HRSG2 (Overhead cable trench)

**Date and Time**      **19 -Aug-2018      12:15 am**

### Number of people counted in the assembly points

	Total People inside Plant	Assembly Point -1	Assembly Point -2	Assembly Point -3	Assembly Point -4	Total	Number of Person Missing
<b>Plant Person</b>	11	01	04	04	02	11	00
<b>EPC Contractor</b>	00	00	00	00	00	00	00
<b>Security</b>	06	00	01	02	03	06	00
<b>Driver</b>	00	00	00	00	00	00	00
<b>Sub contractor/BPC</b>	00	00	00	00	00	00	00
<b>Total</b>	17	01	05	06	07	17	00
<b>First Man Reporting Time</b>		12:17:00 hrs	12:18:11 hrs	12: 18:25 hrs	12:18:30hrs		
<b>Last Man Reporting Time</b>		12:17:05 hrs	12:20:12 hrs	12:19:30 hrs	12:19:33 hrs		



**Point person of Assembly Points**

**Assembly Point-1: Md. Rokon (CRE)**

**Assembly Point-3: Mr. Moni**

**Assembly Point-2 – Mr. Tanjil**

**Assembly Point -4 Mr. Rafiq**



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Search & Rescue Team Member's Name		Emergency Response Team Member's Name	
Name	Dept	Name	Dept
		Mr. Rafiq	OPERATION
		Mr. Tanjil	OPERATION
		Mr. Moni	OPERATION
<b>Description of Emergency Response Team Activities</b>			
<p>APlant personnel's were gathered at designated assembly point after hearing the emergency declaration. In the assembly point head count was done and confirmed that no person missing . Eemergency response team immediately reached with appropriate PPE to the affected area as per the incident commander's instruction. They barricaded the affected area using yellow caution tape. Finally again head count carried out and found no body was missing. The mock drill was carried out for about 23 minutes. Preparation was taken for calling Ambulance,</p>			
<b>End Time</b>	<b>12:38 hrs.</b>		
<b>Observation:</b> <ul style="list-style-type: none"> <li>• <b>Communication:</b> Emergency situation was declared via PA system &amp; walkie-talkie and Communication was effective and responsive during the drill.</li> <li>• <b>Medical and Handling of injured person:</b> All personnel's were found safe. No injury occurred during drill.</li> <li>• <b>Utility Failure:</b> No Failure Occurred.</li> </ul> <p style="text-align: center;">Finally, a meeting was held after completion of the drill about the observation of the drill.</p> <ul style="list-style-type: none"> <li>• <b>Area of Improvement:</b> Head count time should be less.</li> </ul>			
<b>Group #</b>	<b>B</b>	<b>SCE Name</b>	<b>Md. Shabuddin Biswas</b>
<b>Emergency Response Coordinator Name</b>			<b>Mr. Rokon</b>





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### Pictures of the Drill



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**Date: 30.10.2018**

## High Voltage Emergency Mock Drill

### Description of Emergency Scenario

11:03 hrs: Fire alarm appeared in Central Fire Control Panel in CCR for GSUT-02(14.5KV/230KV)

11:04 hrs On duty PBE reached at the incident area and informed to CCR that fire occurred in GSUT-02. On duty SCE informed the situation to the Incident Commander

11:04 hrs: After checking the affected area. As per section no. 2.4.2.1 of SMPCL-EHS-004 procedure. Emergency siren was activated & Emergency situation was declared by Incident commander and announced by emergency coordinator via PA system & walkie-talkie.

11:07 hrs: As per section 2.2.5 of SMPCL-EHS-004 procedure, after reporting all employees at designated assembly point head count was done by assembly point coordinator and informed to emergency response coordinator.

11:09 hrs: As per section no. 2.4.3 of SMPCL-EHS-004 procedure, Emergency coordinator checked the number of person with the last updated entry and exit record & found no person was missing.

11:10 hrs: From 6.6 KV Switchgear Room, 6.6 KV Bus-B was manually Transferred to A from HSBT panel. Bus-B incomer Opened and Bus Coupler Closed. From CCR SAS panel, GTG Bay-02 Breaker 52L made open. Thus, Power Transformer GSUT-02 isolated during emergency



11:11 hrs: Fire extinguished (While fire occurred, deluge system automatically operated and water sprayed thereby. after that)

11:12 hrs Emergency withdrawn by PA system after confirming everything was normal.

<b>Incident Area</b>	<b>GT Transformer-2</b>
<b>Date and Time</b>	<b>30 -Oct-2018      11:03 am</b>

### Number of people counted in the assembly points

	Total People inside Plant	Assembly Point -1	Assembly Point -2	Assembly Point -3	Assembly Point -4	Total	Number of Person Missing
Plant Person	47	04	16	19	8	47	00
EPC	00	00	00	00	00	00	00
Security	14	00	02	08	04	14	00
Driver	04	00	02	02	00	04	00
Subcontractor/Service provider	45	00	30	10	05	45	00
<b>Total</b>	<b>110</b>	<b>04</b>	<b>50</b>	<b>39</b>	<b>17</b>	<b>110</b>	<b>00</b>
<b>First Man Reporting Time</b>		11:04:23 hrs	11:04:55 hrs	11:04:42 hrs	11:05:43 hrs		
<b>Last Man Reporting Time</b>		11:04:44 hrs	11:06:12 hrs	11:06:00 hrs	02:06:54 hrs		
<b>Point person of Assembly Points</b>	<b>Assembly Point-1: Md. Raihan Hossain</b>			<b>Assembly Point-3: Mr. Moktar Hossain</b>			
	<b>Assembly Point-2 – Mr. Rana Azim</b>			<b>Assembly Point -4 Mr. Ripon</b>			
<b>Search &amp; Rescue Team Member's Name</b>				<b>Emergency Response Team Member's Name</b>			

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Name	Dept	Name	Dept
		Mr.Kamrul	OPERATION
		Mr. Suprovat Ghos	I&C
		Mr.Sawkat Hossain	EMD
<b>Description of Emergency Response Team Activities</b>			
<p>From 6.6 KV Switchgear Room, 6.6 KV Bus-B was manually Transferred to A from HSBT panel. Bus-B incomer Opened and Bus Coupler Closed. From CCR SAS panel, GTG Bay-02 Breaker 52L made open. Thus, Power Transformer GSUT-02 isolated during emergency. Preparation was taken to call Local Fire Brigade-Narayangonj &amp; Local Ambulance Service. Total 30 minutes taken to complete the drill.</p>			
<b>End Time</b>	<b>11:12 hrs</b>		
<b>Observation:</b>			
<ul style="list-style-type: none"> <li>• <b>Communication:</b> Emergency situation was declared via PA system &amp; walkie-talkie.</li> <li>• <b>Medical and Handling of injured person:</b> All employees were found safe. No injury occurred during drill.</li> <li>• Finally, a meeting was held after completion of the drill about the observation of the drill.</li> </ul>			
<b>Group #</b>	A	<b>SCE Name</b>	Mr. Sourov
<b>Emergency Response Coordinator Name</b>			Mr. Raihian Hossain

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## Pictures of the Drill





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Severe Weather Mock Drill							
Description of Emergency Scenario							
14:29 hrs: Weather update communicated through Group KAKAO Talk							
14:32 hrs: Cyclone "Anastasia" impact results increased heavy rain, strong wind and large storms at plant site.							
14:56 hrs: Loose objects have been tied up. All buildings Shutters, doors made closed.							
14:57 hrs: CAPP s/d given as per NLDC Due to abnormal hi grid frequency.							
15:02 hrs- On duty PBE informed to CCR that outside weather became extremely severe.							
15:04 hrs- As per section no. 2.4.2.1 of SMPCL-EHS-004 procedure emergency situation declared via PA system, Walkie-Talkie & Group KAKAO Talk.							
15: 09: Plant personnel took resorts in designated cyclone shelters 1) CCB ground floor, 2) Water treatment building. 3) Fire station building.							
15:14 hrs: As per section 2.2.5 of SMPCL-EHS-004 procedure, after reporting all employees at designated shelter points head count was and informed to emergency response coordinator.							
15: 15 hrs: As per section no. 2.4.3 of SMPCL-EHS-004 procedure, Emergency coordinator checked the number of person with the last updated entry and exit record & found no person was missing.							
15:16 hrs: From local informed to CCR that outside weather became normal.							
15:17 hrs-Emergency Withdrawn.							
15:20 hrs: After the mock drill finish a damage assessment was carried out through site visit							
<b>Incident Area</b>	<b>Plant premises</b>						
<b>Date and Time</b>	<b>30 -Oct-2018      14:29 hrs</b>						
Number of people counted in the assembly points							
	Total People inside Plant	Assembly Point -1	Assembly Point -2	Assembly Point -3	Assembly Point -4	Total	Number of Person Missing
Plant Person	47	04	16	19	8	05	00
EPC	00	00	00	00	00	00	00
Security	14	00	02	08	04	14	00
Driver	04	00	02	02	00	04	00
Subcontractor/Service provider	45	00	30	10	05	00	00
<b>Total</b>	<b>110</b>	<b>04</b>	<b>50</b>	<b>39</b>	<b>17</b>	<b>110</b>	<b>00</b>
<b>First Man Reporting Time</b>		15:04:23 hrs	15:05:55 hrs	15: 04:00 hrs	15:05:43 hrs		
<b>Last Man Reporting Time</b>		15:04:44 hrs	15:08:12 hrs	15:08:23 hrs	15:09:00 hrs		
<b>Point person of Assembly Points</b>	Assembly Point-1: Md. Raihan Hossain			Assembly Point-3: Mr. Sumon			
	Assembly Point-2 – Mr. Kamrul			Assembly Point –4 Mr. Ripon			
<b>Search &amp; Rescue Team Member's Name</b>				<b>Emergency Response Team Member's Name</b>			

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Name	Dept	Name	Dept
		Mr.Kamrul	OPERATION
		Mr. Sumon	OPERATION
		Mr.Nur Islam	I&C
<b>Description of Emergency Response Team Activities</b>			
<p>It was assumed that Cyclone "Anastasia was coming to hit in the southern part of Bangladesh. The weather condition was getting more severe in the SMPCL area. From CCR update information was informed to all employees and staffs time to time. To observe the current weather condition the emergency situation was declared and requested to gather in designated shelter points. Head count was done. After observing the weather condition the emergency situation was withdraw.</p>			
<b>End Time</b>	<b>15:20 hrs</b>		
<b>Observation:</b>			
<ul style="list-style-type: none"> <li>• <b>Communication:</b> Emergency situation was declared via PA system &amp; walkie-talkie.</li> <li>• <b>Medical and Handling of injured person:</b> All employees were found safe. No injury occurred during drill.</li> <li>• Finally, a meeting was held after completion of the drill about the observations</li> </ul>			
<b>Group #</b>	A	<b>SCE Name</b>	Mr. Sourov
<b>Emergency Response Coordinator Name</b>			Mr. Raihian Hossain



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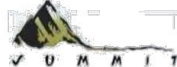
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### Pictures of the Drill



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18 - Dec-2018

## Joint fire mock drill

### Description of Emergency Scenario

11:10 hrs : Mr Ezaz (Operation) of KPS informed to control room through Walki talki, there is a Fire near dormitory building.

11:12 hrs : After verifying the situation, as per section no. 2.4.2.1 of SMPCL-EHS-004 procedure. Emergency siren was activated & Emergency situation was declared by Incident commander and announced by emergency coordinator via PA system & walkie-talkie.20

11:13 hrs : Immediately emergency response coordinator was called for external help from Bangladesh fire service & civil defense. (**Note:** Fire service & civil defense team took 27 minutes to reach SMPCL site form Gojaria fire station.

11:19 hrs : As per section 2.2.5 of SMPCL-EHS-004 procedure, All KPS employees, drivers, contractor's labors, kitchen staffs, office staffs were gathered at designated assembly point. Head count was done by assembly point coordinator and informed to emergency coordinator.

11:22 hrs : As per section no. 2.4.3 of SMPCL-EHS-004 procedure, Emergency response coordinator checked the number of person with the last updated entry and exit record & found one person was missing.

11:25 hrs : As per the incident commander instruction SMPCL Emergency Response & rescue team rushed to the affected area & started firefighting with the help of hydrant water. Fire service & civil defense team also rushed to the affected spot & connected fire hose with nearby water source.

11:27 hrs : Injured person was rescued from the affected area.

11:30 hrs : Emergency response team jointly extinguished fire.



11:32 hrs : First aid was provided to injured person.


11:35 hrs: Final Head count of all assembly points was done & informed to incident commander that nobody was found missing.

11:36 hrs: Emergency withdrawn by PA system & walkie-talkie after confirming everything was normal.

<b>Incident Area</b>	<b>Near Dormitory Building.</b>						
<b>Date and Time</b>	<b>18- Dec-2018</b>		<b>11:10 hrs</b>				
<b>Number of people counted in the assembly points</b>							
	Total People inside Plant	Assembly Point –1	Assembly Point –2	Assembly Point –3	Assembly Point –4	Total	Number of Person Missing
<b>Plant Person</b>	45 (employee)	02	20	22	01	45	01
<b>Sub Contractor</b>	16	00	00	12	04	16	00
<b>Security</b>	12	00	03	05	04	12	00
<b>Driver</b>	07	00	02	05	00	07	00
<b>EPC contractor</b>	00	00	00	00	00	00	00
<b>Total</b>	80	02	25	44	09	80	01
<b>First Man Reporting Time</b>		11:12:00 hrs	11:13:24 hrs	11:13:11 hrs	11:12:30 hrs		






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Last Man Reporting Time	11:13:00 hrs	11:18:00 hrs	11:17:30 hrs	11:17:00 hrs			
Point person of Assembly Points	Assembly Point-1 (Mr. Delowar)		Assembly Point-3 (Mr. Ezaj)				
	(Assembly Point-2: Mr. Saiful)		Assembly Point:4 .Mr. Nur				
<b>Search &amp; Rescue Team Member's Name</b>				<b>Emergency Response Team Member's Name</b>			
Name	Dept		Name	Dept			
Mr. Ismail	MMD		Mr. Khairul.	OPE			
1 persons of Fire service team	MMD		Mr. Ezaj	OPE			
	I&C		Mr. Nizam	MMD			
			Mr. Sujon	MMD			
			Mr. Sowkot	EMD			
			Mr. Ismail	EMD			
			Mr. Pasa	I&C			
			7 persons of fire service team.				
<b>Description of joint Emergency Response Team Activities</b>							
<p>Fire was initiated in a drum with combustible material as per plan, after receiving fire incident information, incident commander declared emergency situation. In the assembly point all KPS staff, security, drivers &amp; contractors labors gathered immediately after getting the emergency declaration. Head count was done and found 1 person were missing. Incident commander asked for external help, Bangladesh Fire service &amp; civil defense team rushed to the affected area, by this time plant emergency response team rushed to the affected spot as per the incident commander's instruction. Local Fire service &amp; SMPCL response team jointly fight with fire and rescued missing personnel from the affected area. After ensuring first aid victim person was moved to plant first aid room it was informed to the incident commander that the situation was under control after successfully completion of extinguishing fire and rescue. Finally again head count carried out and found okay. The mock drill was carried out for about 26 minutes. Finally, a meeting was held jointly after completion of the drill about the observation of the drill.</p>							
<b>End Time</b>	<b>11:36 pm</b>						
<b>Observation:</b>							

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- **Communication:** Emergency situation was declared via PA system & walkie-talkie.
- **Medical and Handling of injured person:** For drill purpose it was assume that, one person was injured in the affected area. After rescue immediately those persons were moved to safe area and first aid was given.
- **Utility Failure:** No Failure Occurred.
- **Utility Failure:** No Failure Occurred.
- Finally, a joint meeting was held after completion of the drill about the observation of the drill.

<b>Group #</b>	C	<b>SCE Name</b>	Mr. Saiful Islam
<b>Emergency Response Coordinator Name</b>			<b>KPS Personnel : Mr. Delawar</b>



## Picture of the Drill





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**Date: 28.12.2018**



Bomb Threat Emergency Drill							
Description of Emergency Scenario							
22:10 hrs : Bomb threat was received by control room phone that there is a bomb kept in the switchyard control room. (Mr. Delawar CRE received the phone).							
22:11 hrs : After receiving details of threat, immediately informed to Plant Manager as per section no 8.1 of SMPCL-EHS-004 procedure							
22:13 hrs : Local police station & BPDP numbers were checked and preparation was taken for calling to them . If required.							
22: 15 hrs: As per section no. 2.4.2.1of SMPC –EHS-004 Procedure Emergency siren was activated & Emergency situation was declared by Incident commander and announced by emergency coordinator via PA system and walkie-talkie							
22:20 hrs: As per section 8.5 of SMPCL-EHS-004 procedure, All KPS employees, drivers, contractor’s labors, kitchen staffs, office staffs were gathered at assembly point number 2 only. Head count was done by assembly point coordinator and informed to emergency coordinator. ( <b>N.B:</b> As per section 8.5, All personnel were stayed at assembly point 2 (Main security gate) for 75 minutes after the announced bomb detention time.)							
22:25 hrs : As per section no. 2.4.3 of SMPCL-EHS-004 procedure, Emergency response coordinator checked the number of person with the last updated entry and exit record & found no person were missing.							
22:28 hrs : As per section 8.1 of SMPCL-EHS-004 procedure & Incident commander instruction two person from operation dept checked any package that is not normally found in the area, door are normally locked but now open or unlocked from outside the control room.							
22:32 hrs: Confirmed that no unusual device, package or anything in the area.							
22:36 hrs : Final Head count was done & informed to incident commander.							
22:38 hrs: Emergency withdrawn by PA system & walkie-talkie							
<b>Incident Area</b>		<b>Waste water treatment Control Room</b>					
<b>Date and Time</b>		<b>28 -Dec-2018</b>		<b>22:10 hrs</b>			
Number of people counted in the assembly points							
	Total People inside Plant	Assembly Point –1	Assembly Point –2	Assembly Point –3	Assembly Point –4	Total	Number of Person Missing
Plant Person	05	02	03	00	00	05	00
Subcontractor/ BPC	00	00	00	00	00	00	00
Security	14	00	14	00	00	14	00
Driver	04	00	04	00	00	04	00
EPC Contractor	00	00	00	00	00	00	00
<b>Total</b>	<b>21</b>	<b>01</b>	<b>21</b>	<b>00</b>	<b>00</b>	<b>21</b>	<b>00</b>
<b>First Man Reporting Time</b>		22:15:00 hrs	22:16:12 hrs				

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<b>Last Man Reporting Time</b>	23:18:00 hrs	11:19:33 hrs			
<b>Point person of Assembly Points</b>	Assembly Point-1: (Mr. Delawar Hossain)		Assembly point-3: No personnel gathered		
	Assembly Point-2 –(Mr. Ezaz)		Assembly Point –4 No personnel gathered		
<b>Search &amp; Rescue Team Member's Name</b>			<b>Emergency Response Team Member's Name</b>		
<b>Name</b>	<b>Dept</b>	<b>Name</b>	<b>Dept</b>		
		Mr. Khairul	OPERATION		
		Mr. Momin	OPERATION		
		Mr. Ezaz	OPERATION		
		Mr. Rashed	OPERATION		
<b>Description of Emergency Response Team Activities</b>					
<p>A bomb threat was received that there is a bomb kept in the switchyard control room through phone. Immediately the details of the threat were informed to plant manager. Emergency was declared through PA and walky-talky. All plant and contractor employees gathered in the main gate assembly point. Two operation persons were checked switchyard control room as per Incident Commander Instruction. They confirmed that there is no unusual thing in that area. They also check others buildings from outside. After confirming from the Incident commander Plant Manager informed to withdraw the emergency. All plant employees and contractor were stayed at assembly point for 75 minutes after the announced bomb detention time. The drill was consumed 28 minutes to complete the drill.</p>					
<b>End Time</b>	<b>22:38 hrs</b>				
<b>Observation:</b>					
<ul style="list-style-type: none"> <li>• <b>Communication:</b> Emergency situation was declared via PA system &amp; walkie-talkie.</li> <li>• <b>Medical and Handling of injured person:</b> All employees were found safe. No injury occurred during drill.</li> <li>• Finally, a meeting was held after completion of the drill about the observations.</li> </ul>					
<b>Group #</b>	<b>B</b>	<b>SCE Name</b>	<b>Mr. Rakon</b>		
<b>Emergency Response Coordinator Name</b>			<b>Mr. Delawar Hossain</b>		



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## Pictures of the Drill





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Fire mock drill							
Description of Emergency Scenario							
21:20 hrs: Field Engineer informed to CCR that a minor fire occurred at Cyclone Separator delivery point at GBC area and assessed that it's a gas fire.							
21:21 hrs: As per section no. 2.4.2.1 of SMPCL-EHS-004 procedure. Emergency siren was activated & Emergency situation was declared by Incident commander and announced by emergency coordinator via PA system & walkie-talkie.							
21:25 hrs: As per section 2.2.5 of SMPCL-EHS-004 procedure, after reporting all employees at designated assembly point head count was done by assembly point coordinator and informed to emergency coordinator.							
21:26 hrs: As per section no. 2.4.3 of SMPCL-EHS-004 procedure, Emergency coordinator checked the number of person with the last updated entry and exit record & found no person was missing							
21:28: hrs: As per section no. 2.2.7 of SMPCL-EHS-004 procedure, Emergency response team rush to the affected area as per Incident commander's instruction. As well as Fire Truck was sent immediately at the incident area.							
21:28:05 hrs: Emergency Pushbutton (EPB) pressed for GT1 & GT2, NG1/NG2, GBC and Both GT tripped, running GBC units tripped & GBC inlet ESD Shut Off.							
21:29 hrs: Cyclone Separator along with affected point was isolated with relevant valves were closed.							
21:31 hrs: Adjacent area of GBC boundary was made wet with water spray to restrict propagation of fire towards others area of plant.							
21: 33 hrs: Fire was extinguished successfully.							
21:35 hrs: Final Head count of all assembly points was done & informed to incident commander that no person was found missing.							
21:36 hrs: Emergency withdrawn by PA system & walkie-talkie after confirming everything was normal.							
<b>Incident Area</b>	<b>GBC (Gas Booster Compressor Station)</b>						
<b>Date and Time</b>	<b>18 -Feb-2019                      21:20 hrs</b>						
Number of people counted in the assembly points							
	Total People inside Plant	Assembly Point –1	Assembly Point –2	Assembly Point –3	Assembly Point –4	Total	Number of Person Missing
<b>Plant Person</b>	18	02	00	15	01	18	00
<b>EPC</b>	00	00	00	00	00	00	00
<b>Security</b>	14	00	03	05	06	14	00
<b>Driver</b>	02	00	00	02	00	02	00
<b>Subcontractor labor</b>	16	00	00	00	00	16	00
<b>Total</b>	50	02	03	22	07	50	00
<b>First Man Reporting Time</b>		21: 21:33 hrs	21:23:40 hrs	21: 22:4 hrs	21:22:09 hrs		



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<b>Last Man Reporting Time</b>	21:21:40 hrs	21:25:00 hrs	21:24:30 hrs	21:24:30 hrs		
<b>Point person of Assembly Points</b>	<b>Assembly Point-1: Mr. Raihan</b>		<b>Assembly Point-3: Mr. Sumon</b>			
	<b>Assembly Point-2 – Mr. Karmul</b>		<b>Assembly Point –4 Mr. (Mr. Ripon)</b>			
<b>Search &amp; Rescue Team Member's Name</b>			<b>Emergency Response Team Member's Name</b>			
<b>Name</b>	<b>Dept</b>	<b>Name</b>				<b>Dept</b>
		Mr. Karmul				OPE
		Mr. Ripon				OPE
<b>Description of Emergency Response Team Activities</b>						
<p>It was assumed that fire was initiated in the GBC station from gas, after receiving fire incident information, incident commander declared emergency situation. In the assembly point all KPS staff, security, drivers &amp; contractors labors reached immediately after getting the emergency declaration. Head count was done and found no persons were missing. Emergency response team rushed to the affected spot as per the incident commander's instruction. After successfully extinguished fire in that area, it was informed to the incident commander that the situation was under control. Finally again head count carried out and found okay. The mock drill was carried out for about 15 minutes. Finally, a meeting was held jointly after completion of the drill about the observation of the drill.</p>						
<b>End Time</b>	<b>21:36 hrs</b>					
<b>Observation:</b>						
<ul style="list-style-type: none"> <li>• <b>Communication:</b> Emergency situation was declared via PA system &amp; walkie-talkie.</li> <li>• <b>Medical and Handling of injured person:</b> All employees were found safe. No injury occurred during drill.</li> <li>• Finally, a meeting was held after completion of the drill about the observation of the drill.</li> </ul>						
<b>Group #</b>	A	<b>SCE Name</b>	<b>Mr. Sourov</b>			
<b>Emergency Response Coordinator Name</b>			<b>Mr. Raihan</b>			





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### Pictures of the Drill



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**Date: 21.04.2019**

## Chlorine leakage & Medical emergency

### Description of Emergency Scenario

21:00 hrs: Mr. Khairul (BOPE) of KPS informed to control room that chlorine gas cylinder leaked during handling from vehicle in the chlorine storage room. Incident commander get details information about the incident.

21:02 hrs: As per section no. 2.4.2.1 of SMPCL-EHS-004 procedure, Emergency siren was activated & Emergency situation was declared by Incident commander and announced by emergency coordinator via PA system & walkie-talkie.

As per section 7.1.5 of SMPCL-EHS-004 procedure It was assumed that the condition of the emergency was level III due to major release of chlorine gas during handling in the chlorination room. During the emergency the wind direction was north to west and the areas located in the downwind direction was more vulnerable. As per section 7.2.2 of SMPCL-EHS-004 Safety & respective personnel from CCR communicated with the villagers and nearby plants authority on the emergency situation located in the north –west zone.

21:07: As per section 2.2.5 of SMPCL-EHS-004 procedure, During the situation wind direction was North to west. Plant personnel's were observed the wind direction seeing wind sock and then moved quickly to the safe area (assembly point-3 & 4). Head count was done by assembly point coordinator and informed to emergency coordinator.

21:10 As per section no. 2.4.3 of SMPCL-EHS-004 procedure, Emergency coordinator checked the number of person with the last updated entry and exit record & found no person was missing

21:11 hrs: Emergency response team mobilized as per Incident commander's instruction.

21:13 hrs: Emergency response team (one entrant and one standby persons) reached at the affected area using SCBA



21:25 hrs: Both of them came out from affected area after rectifying the leakage and Informed that leakage stopped, neutralization system in service, chlorine concentration becoming less..

21:35 hrs: Final Head count was done.

<b>Incident Area</b>	<b>Chlorine Storage Building.</b>
<b>Date and Time</b>	<b>21-April-2019      21:00 hrs</b>

### Number of people counted in the assembly points



	Total People inside Plant	Assembly Point –1	Assembly Point –2	Assembly Point –3	Assembly Point –4	Total	Number of Person Missing
<b>Plant Person</b>	10	02	00	4	04	10	00
<b>EPC</b>	07	00	00	07	00	07	00
<b>Security</b>	15	00	00	08	07	15	00
<b>Driver</b>	03	00	00	03	00	03	00
<b>Subcontractor labor</b>	00	00	00	00	00	00	00

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<b>Total</b>	<b>35</b>	<b>02</b>	<b>00</b>	<b>22</b>	<b>11</b>	<b>35</b>	<b>00</b>
<b>First Man Reporting Time</b>		21:02:00 hrs	21:03:00 hrs	21: 04:01 hrs	21:03:11 hrs		
<b>Last Man Reporting Time</b>		21:02:00 hrs	21:06:05 hrs	21:06:00 hrs	21:06:13 hrs		
<b>Point person of Assembly Points</b>	<b>Assembly Point-1: Mr.Delwar Hossain</b>			<b>Assembly Point-3: Mr.Khairul</b>			
	<b>Assembly Point-2 – No person gathered</b>			<b>Assembly Point –4 Mr. Ejaz</b>			
<b>Search &amp; Rescue Team Member's Name</b>				<b>Emergency Response Team Member's Name</b>			
<b>Name</b>	<b>Dept</b>			<b>Name</b>	<b>Dept</b>		
				Mr. Khairul	OPERATION		
				Mr. Ezaj	OPERATION		
				Mr. Nizam	MMD		
				Mr. Opu	EMD		
				Mr. Salim	MMD		
<b>Description of Emergency Response Team Activities</b>							
<p>After raising emergency siren all the plant personnel were gathered in safe area assembly point-3 &amp; 4 after seeing the wind sock direction. During the emergency situation wind direction was north to west. Respective personnel form CCR immediately informed to nearby plant and villagers (to community representative) to move safe area and rush to the nearby villages. After head count the emergency response team immediately put on SCBA and rush to the affected area as per incident command instruction. They ensured the situation was under control. Plant authority informed earlier to Fire service and civil defense about the mock drill. Finally again head count was done and found no person was missing. Total 37 minutes were consumed to complete the drill.</p> <p>A chlorine cylinder contains max 750 kg chlorine. After rectifying the leakage, the cylinder was measured and found that 680 kg chlorine was in the cylinder. 70 kg chlorine was released it is goes condition with Level III and require evacuating nearby plant &amp; villagers mentioned in the Emergency response plan. After confirming the amount of release it was suspected that nearby village and plants will involved with risk due to the occurrence. Then Emergency withdrawn by PA system after confirming everything was normal and at the same time EHS personnel informed to the nearby villages and plans that, the emergency withdrawn and everything was normal.</p>							
<b>End Time</b>	<b>21:35 hrs</b>						
<b>Observation:</b>							

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<ul style="list-style-type: none"> <li>• <b>Communication:</b> Emergency situation was declared via PA system &amp; walkie-talkie.</li> <li>• <b>Medical and Handling of injured person:</b> All employees were found safe. No injury occurred during drill.</li> <li>• Finally, a meeting was held after completion of the drill about the observations.</li> <li>• <b>Areas of Improvement:</b></li> </ul>			
<b>Group #</b>	<b>B</b>	<b>SCE Name</b>	<b>Mr. Rokon Uddin</b>
<b>Emergency Response Coordinator Name</b>			<b>Mr. Delwar Hossain.</b>

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## Hazardous Material Release Emergency

### Description of Emergency Scenario

11:15 hrs: BoP engineer (Mr. Ezaz) informed that there is a leakage found in the acid tank area

11:22 hrs: As per section no. 2.4.2.1 of SMPCL-EHS-004 procedure. After assessing the incident area by operation person, emergency siren was activated & emergency situation was declared by Incident commander and announced by emergency coordinator via PA system & walkie-talkie.

11:27: As per section 2.2.5 of SMPCL-EHS-004 procedure, after reporting all employees at designated assembly point head count was done by assembly point coordinator and informed to emergency coordinator.

11:31 As per section no. 2.4.3 of SMPCL-EHS-004 procedure, Emergency coordinator checked the number of person with the last updated entry and exit record & found no person was missing

11:37 hrs: Emergency response team (PBE & BOPE) rushed to the affected area after wearing Chemical suits, musk, boots, chemical gloves, etc as per Incident commander's instruction.

11:42 hrs: Acid tank delivery line upstream valve was made close

11:44 hrs: Neutralized all spillage acid by neutral

11:47 hrs: Final Head count was done.



11:48 hrs Emergency withdrawn by PA system after confirming everything was normal.

Incident Area	<b>Acid &amp; Caustic Storage Tank</b>
Date and Time	<b>28 -June-2019                      11:15 am</b>

### Number of people counted in the assembly points

	Total People inside Plant	Assembly Point –1	Assembly Point –2	Assembly Point –3	Assembly Point –4	Total	Number of Person Missing
Plant Person	38	04	12	22	00	38	00
EPC	00	00	00	00	00	00	00
Security	12	00	03	05	04	12	00
Driver	03	00	00	03	00	03	00
Subcontractor labor	09	00	05	04	00	09	00
<b>Total</b>	<b>62</b>	<b>04</b>	<b>20</b>	<b>34</b>	<b>04</b>	<b>62</b>	
<b>First Man Reporting Time</b>		11:22:00 hrs	11:24:00 hrs	11: 24:17 hrs	11:23:25 hrs		
<b>Last Man Reporting Time</b>		11:26:33 hrs	11:26:21 hrs	11:26:22 hrs	11:26:43 hrs		



Point person of Assembly Points	Assembly Point-1: Mr. Saiful Islam (SCE)	Assembly Point-3: Mr. Ashik (Sr. Engineer-MMD)
	Assembly Point-2 – Mr. Mr. Ejaj (PBE)	Assembly Point –4 Mr. Nur (Field Supervisor)

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Search & Rescue Team Member's Name		Emergency Response Team Member's Name	
Name	Dept	Name	Dept
		Mr. Ejaj	OPERATION
		Mr. Asif	OPERATION
		Mr. Nur	MMD
<b>Description of Emergency Response Team Activities</b>			
<p>BoP engineer informed that acid storage tank delivery line valve joint gasket damaged and acid spilled the acid tank area. Immediately PB engineer, Field Supervisor rushed to the affected area according to incident commander instruction. Necessary PPEs such as Chemical suits, musk, boots, chemical gloves taken from emergency room and the acid tank delivery line upstream valve was made close. Total 33 minutes were consumed to complete the drill.</p>			
<b>End Time</b>	<b>11:48 hrs</b>		
<b>Observation:</b>			
<ul style="list-style-type: none"> <li>• <b>Communication:</b> Emergency situation was declared via PA system &amp; walkie-talkie.</li> <li>• <b>Medical and Handling of injured person:</b> All employees were found safe. No injury occurred during the drill.</li> <li>• Finally, a meeting was held after completion of the drill about the observation of the drill</li> <li>• Low sound observed in some PA stations mic.</li> </ul>			
<b>Group #</b>	<b>C</b>	<b>SCE Name</b>	<b>Mr. Saiful Islam</b>
<b>Emergency Response Coordinator Name</b>			<b>Mr. Momin</b>



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## Pictures of the Drill





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***9.11 ANNEXURE -11 GRC REPORT***



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<b>SUMMIT MEGHNAGHAT POWER COMPANY LTD.</b> <b>TITLE: GRC MEETING MINUTES</b>		

Date: 30.12.2018

Time: 11:00 am to 12:30 pm



Venue: Conference Room



**Attendance:** Mr. Hong Ki Bok, Mr. Jinuk Park, Mr. Chang sum jang, Mr. cheol young choi, Mr. Musfuqur Rahman, Mr. Muhsinul Alam, Mr. Nowroze Ahmed, Mr. Moktar,

**Absence:**

Sl No.	Communication Media	Discussion	Remarks
01	Grievance Box	Grievance box has been checked. No grievance raised.	From July'18 to Dec'18 No grievance has raised.
02	Grievance Register Books	All grievance register books have been checked. No grievance registered.	
03	Cell phone & Email	No grievance raised	



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**Date:** 27.06.2019



**Time:** 10:00 am to 11:00 pm

**Venue:** Conference Room



**Attendance:** Mr. Hong Ki Bok, Mr. Chulsoo Kim, Mr. cheol young choi, Mr. Musfuqur Rahman, Mr. Muhsinul Alam, Mr. Nowroze Ahmed, Mr. Moktar Hossain

Sl No.	Communication Media	Discussion	Remarks
01	Grievance Box	Grievance box has been checked. No grievance raised.	From Jan'19 to June'19 No grievance has raised.
02	Grievance Register Books	All grievance register books have been checked. No grievance registered.	
03	Cell phone & Email	No grievance raised	



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***9.12. ANNEXURE -12 PUBLIC CONSULTATION REPORT***

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<b>TITLE: PUBLIC CONSULTATION REPORT</b>	<b>Page 1 of 1</b>

**Consultation Date:** December 18<sup>th</sup> 2018

**Village Name:** Ashariar Char

**Consultation Agenda:** 1) Disclose of Plant environmental parameters monitoring results. 2) IMS policy 3) Grievance redress procedure 4) Emergency response procedure and contact numbers



An open discussion and consultation was held on December 18<sup>th</sup> 2018 at Aashariar Char Village. At the beginning, SMPCL Representative highlighted the need of this Consultation. A leaflet was distributed among the participants for disseminating the information about the result of different environmental parameters as well as cooling water temperature measurement. SMPCL representative described the IMS policy, Grievance redress procedure. It was informed that, SMPCL have well prepared emergency response procedure, required equipment's for engaging in response and appropriate training of all personnel. If any situation arises which is uncontrollable then community Lisaon officer will inform them about their next course of action. SMPCL representative also invited villagers' representative to witness the operation so that their understanding regarding this makes them clear.


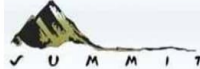
SMPCL representative highlighted the grievance mechanism and importance of interaction with the community. It was informed to community representatives that all the complaints will be registered and record shall be maintained in the register book which is available at the Main Gate of the plant or can be dropped in a box placed at the main gate. The contact numbers were shared of SMPCL representatives.

**Picture of the Consultation**





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**Consultation Date:** December 18<sup>th</sup> 2018

**Village Name:** Char Balaki

**Consultation Agenda:** 1) Disclose of Plant environmental parameters monitoring results. 2) IMS policy 3) Grievance redress procedure 4) Emergency response procedure and contact numbers

An open discussion and consultation was held on December 18<sup>th</sup> 2018 at Char Balaki Village. At the beginning, SMPCL Representative highlighted the need of this Consultation. A leaflet was distributed among the participants for disseminating the information about the result of different environmental parameters as well as cooling water temperature measurement. SMPCL representative described the IMS policy, Grievance redress procedure. It was informed that, SMPCL have well prepared emergency response procedure, required equipment's for engaging in response and appropriate training of all personnel. If any situation arises which is uncontrollable then community Liaison officer will inform them about their next course of action. SMPCL representative also invited villagers' representative to witness the operation so that their understanding regarding this makes them clear.



SMPCL representative highlighted the grievance mechanism and importance of interaction with the community. It was informed to community representatives that all the complaints will be registered and record shall be maintained in the register book which is available at the Main Gate of the plant or can be dropped in a box placed at the main gate. The contact numbers were shared of SMPCL representatives.


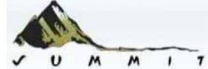
**Picture of the Consultation**







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**Consultation Date:** December 18<sup>th</sup> 2018

**Village Name:** Dudghata

**Consultation Agenda:** 1) Disclose of Plant environmental parameters monitoring results. 2) IMS policy 3) Grievance redress procedure 4) Emergency response procedure and contact numbers



An open discussion and consultation was held on December 18<sup>th</sup> 2018 at Dudghata Village. At the beginning, SMPCL Representative highlighted the need of this Consultation. A leaflet was distributed among the participants for disseminating the information about the result of different environmental parameters as well as cooling water temperature measurement. SMPCL representative described the IMS policy, Grievance redress procedure. It was informed that, SMPCL have well prepared emergency response procedure, required equipment's for engaging in response and appropriate training of all personnel. If any situation arises which is uncontrollable then community Liaison officer will inform them about their next course of action. SMPCL representative also invited villagers' representative to witness the operation so that their understanding regarding this makes them clear.


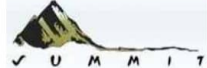
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**Picture of the Consultation**





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**Consultation Date:** December 18<sup>th</sup> 2018

**Village Name:** Ganganagor Village

**Consultation Agenda:** 1) Disclose of Plant environmental parameters monitoring results. 2) IMS policy 3) Grievance redress procedure 4) Emergency response procedure and contact numbers

An open discussion and consultation was held on December 18<sup>th</sup> 2018 at Ganganagor Village . At the beginning, SMPCL Representative highlighted the need of this Consultation. A leaflet was distributed among the participants for disseminating the information about the result of different environmental parameters as well as cooling water temperature measurement. SMPCL representative described the IMS policy, Grievance redress procedure. It was informed that, SMPCL have well prepared emergency response procedure, required equipment's for engaging in response and appropriate training of all personnel. If any situation arises which is uncontrollable then community Lisaon officer will inform them about their next course of action. SMPCL representative also invited villagers' representative to witness the operation so that their understanding regarding this makes them clear.

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**Picture of the Consultation**





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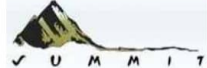
TITLE: ATTENDANCE SHEET

ATTENDANCE SHEET

\* Consultation with Ganga Nagar Villagers. Date: 18/12/2018

S/N	Name of Attendees	Department	Signature
1	Mr. Kishore Kumar	Villagers	[Signature]
2	Mr. Rajendra Kumar	"	[Signature]
3	SAMSU	"	[Signature]
4	Mr. Prakash Kumar	"	[Signature]
5	Mr. Anand Kumar	"	[Signature]
6	Mr. Anand Kumar	"	[Signature]
7	Mr. Anand Kumar	"	[Signature]
8	Mr. Anand Kumar	"	[Signature]
9	Mr. Anand Kumar	"	[Signature]
10	Mr. Anand Kumar	"	[Signature]
11	Mr. Anand Kumar	"	[Signature]
12	Mr. Anand Kumar	"	[Signature]
13	Mr. Anand Kumar	"	[Signature]
14	Mr. Anand Kumar	"	[Signature]
15	Mr. Anand Kumar	"	[Signature]
16	Mr. Anand Kumar	"	[Signature]
17	Mr. Anand Kumar	"	[Signature]
18	Mr. Anand Kumar	"	[Signature]
19	Mr. Anand Kumar	"	[Signature]
20	Mr. Anand Kumar	"	[Signature]
21	Mr. Anand Kumar	"	[Signature]
22	Mr. Anand Kumar	"	[Signature]

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**Consultation Date:** December 18<sup>th</sup> 2018

**Village Name:** Islampur Village

**Consultation Agenda:** 1) Disclose of Plant environmental parameters monitoring results. 2) IMS policy 3) Grievance redress procedure 4) Emergency response procedure and contact numbers

An open discussion and consultation was held on December 18<sup>th</sup> 2018 at Islampur Village. At the beginning, SMPCL Representative highlighted the need of this Consultation. A leaflet was distributed among the participants for disseminating the information about the result of different environmental parameters as well as cooling water temperature measurement. SMPCL representative described the IMS policy, Grievance redress procedure. It was informed that, SMPCL have well prepared emergency response procedure, required equipment's for engaging in response and appropriate training of all personnel. If any situation arises which is uncontrollable then community Liaison officer will inform them about their next course of action. SMPCL representative also invited villagers' representative to witness the operation so that their understanding regarding this makes them clear.

SMPCL representative highlighted the grievance mechanism and importance of interaction with the community. It was informed to community representatives that all the complaints will be registered and record shall be maintained in the register book which is available at the Main Gate of the plant or can be dropped in a box placed at the main gate. The contact numbers were shared of SMPCL representatives.

**Picture of the Consultation**





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ATTENDANCE SHEET

\* Consultation with Islampur villagers & school. Date: 18/12/2018

S/N	Name of Attendees	Department	Signature
১	কন: সত্যজিৎ	Villagers	[Signature]
২	কন: যুবদা	"	[Signature]
৬	কন: হুমায়ুন	"	[Signature]
৪	কন: কামরুল	"	[Signature]
৫	কন: নব্বীন হুমায়ুন	"	[Signature]
৬	কন: হুমায়ুন	"	[Signature]
৭	কন: মনির হুমায়ুন	"	[Signature]
৮	কন: মনির হুমায়ুন	"	[Signature]
৯	কন: মনির হুমায়ুন	"	[Signature]
১০	কন: মনির হুমায়ুন	"	[Signature]
১১	কন: মনির হুমায়ুন	"	[Signature]
১২	কন: মনির হুমায়ুন	"	[Signature]
১৩	কন: মনির হুমায়ুন	"	[Signature]
১৪	কন: মনির হুমায়ুন	"	[Signature]
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২২	কন: মনির হুমায়ুন	"	[Signature]
২৩	কন: মনির হুমায়ুন	"	[Signature]
২৪	কন: মনির হুমায়ুন	"	[Signature]
২৫	কন: মনির হুমায়ুন	"	[Signature]
২৬	কন: মনির হুমায়ুন	"	[Signature]
২৭	কন: মনির হুমায়ুন	"	[Signature]
২৮	কন: মনির হুমায়ুন	"	[Signature]
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৩০	কন: মনির হুমায়ুন	"	[Signature]
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৩২	কন: মনির হুমায়ুন	"	[Signature]
৩৩	কন: মনির হুমায়ুন	"	[Signature]
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৪১	কন: মনির হুমায়ুন	"	[Signature]
৪২	কন: মনির হুমায়ুন	"	[Signature]
৪৩	কন: মনির হুমায়ুন	"	[Signature]
৪৪	কন: মনির হুমায়ুন	"	[Signature]
৪৫	কন: মনির হুমায়ুন	"	[Signature]
৪৬	কন: মনির হুমায়ুন	"	[Signature]
৪৭	কন: মনির হুমায়ুন	"	[Signature]
৪৮	কন: মনির হুমায়ুন	"	[Signature]
৪৯	কন: মনির হুমায়ুন	"	[Signature]
৫০	কন: মনির হুমায়ুন	"	[Signature]

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**Consultation Date:** December 18<sup>th</sup> 2018

**Village Name:** Pachani

**Consultation Agenda:** 1) Disclose of Plant environmental parameters monitoring results. 2) IMS policy 3) Grievance redress procedure 4) Emergency response procedure and contact numbers

An open discussion and consultation was held on December 18<sup>th</sup> 2018 at Pachani Village. At the beginning, SMPCL Representative highlighted the need of this Consultation. A leaflet was distributed among the participants for disseminating the information about the result of different environmental parameters as well as cooling water temperature measurement. SMPCL representative described the IMS policy, Grievance redress procedure. It was informed that, SMPCL have well prepared emergency response procedure, required equipment's for engaging in response and appropriate training of all personnel. If any situation arises which is uncontrollable then community Liaison officer will inform them about their next course of action. SMPCL representative also invited villagers' representative to witness the operation so that their understanding regarding this makes them clear.

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**Picture of the Consultation**





