

Environmental Monitoring Report

Project No. 42173-013
Semi-Annual Report
July 2021

Bangladesh: Dhaka Environmentally Sustainable Water Supply Project (Part C)

Prepared by Project Management Unit (PMU) & Management Design and Supervision
Consultant (MDSC), DESWSP, DWASA for the Asian Development Bank.

This environmental monitoring report is a document of the borrower. The views expressed herein do not necessarily represent those of ADB's Board of Directors, Management, or staff, and may be preliminary in nature.

In preparing any country program or strategy, financing any project, or by making any designation of or reference to a particular territory or geographic area in this document, the Asian Development Bank does not intend to make any judgments as to the legal or other status of any territory or area.

SAFETY INSPECTIONS

Monthly Fire Extinguisher Inspection (GWT - INTAKE Site Apr 2021)



Inspection for:

- Non- obstructing and appropriate designated location.
- Verifying tamper seal is unbroken.
- Examining for obvious physical damage
- Confirm the pressure gauge or indicator
- Establishing extinguisher is full as required.
- Check the last professional service date on the tag.
- Endorsing the inspection tag

MANAGERS' SITE VISIT (MSV) (WTP – April MSV Report)

Form		Form				
MANAGER SAFETY VISIT		MANAGER SAFETY VISIT				
<p>KEY RULES FOR MSV</p> <ul style="list-style-type: none"> 3 steps: Observe, Discuss/Agree No judgments, reprimands, or disciplinary actions Focus both Positive Points and Points to Improve Give priority to immediate actions over administrative actions Allison must be jointly agreed between MSV and project met. Focus on the 5-Step Safety Rules 		<p>KEY RULES FOR MSV</p> <ul style="list-style-type: none"> 3 steps: Observe, Discuss/Agree No judgments, reprimands, or disciplinary actions Focus both Positive Points and Points to Improve Give priority to immediate actions over administrative actions Allison must be jointly agreed between MSV and project met. Focus on the 5-Step Safety Rules 				
<p>WTP: Abani Shyap</p> <p>WTP: Abani Shyap</p> <p>Site Activity: WTP</p>		<p>WTP: Abani Shyap</p> <p>WTP: Abani Shyap</p> <p>Site Activity: WTP</p>				
Photo	Observation	Severity Rating		Action Taken		Target Date
		Description	Reason	Description	Reason	
	Access was restricted by steel wood and it became slippery due to stagnant water. Instructed to clear the wood and put up support wood.	HC	CANCE	Notify to the site respective person to remove unwanted material from site and ensure to always have obstruction free walkway.	MS/Co	16-Apr-21
	Used insulated 5 feet to hang up cable to avoid cable directly to contact with metal also used padding on the reinforcement rebar's area.	HF	CANCE	No action required	No action required	16-Apr-21
	Proceeding sharp rebar's end posing physical hazard. Rebar's end to be capped the sharp rebar's end and injured. Instructed to provide rebar cap.	HC	CANCE	Work procedures to be review with the team and advise them to follow safe work practice.	MS/Co	16-Apr-21
	Observed worker was taking shortcut to come down through surface (net) as there were no proper safety harness. Instructed to provide access ladder and worker was to safe immediately.	HC	CANCE	Work procedures to be review with the team and advise them to follow safe work practice.	MS/Co	16-Apr-21
	Barrier in between wood and pit, was tripped. Instructed to install back barrier.	HC	CANCE	To maintain safe access at workplace, pit to be backfill.	MS/Co	16-Apr-21
	Rebar's stick placed along the access point area which causes tripping hazard to the pedestrian. Instructed to remove rebar's from the workplace.	HC	CANCE	Informed to remove the same.	MS/Co	16-Apr-21
	Cable tangled with rebar's. Paraggee issued to damage on electrical cable and electricity flow through rebar's. Instructed to remove cable.	HC	CANCE	Immediately instructed to remove cable. Also the team to park workers while remove cable.	MS/Co	16-Apr-21
	Excavated barricade with appropriate signage at the excavated area.	SP	CANCE	No action required	No action required	16-Apr-21

- Involving departmental Managers to be part of Health and safety processes on site

MANAGERS' SITE VISIT (MSV) (INTAKE – April MSV Report)

Gandharipur Water Treatment SPC		Form		MSV ID: MSV-2024-016	
SGRE CITY VIDYULA		MANAGER SAFETY VISIT		Version: 01 Date: 01/01/2024	
<p>KEY RULES FOR MSV</p> <ul style="list-style-type: none"> 2. Stop Work/Close off/Tag out 3. No sign-in, no hand-out disciplinary action 4. Take control. Assume blame and fix it to improve 5. Don't play to the crowd. Be professional and firm 6. Always wear your safety gear and follow the rules 7. Focus on the LTV Safety Rules 					
MSV Report Type		Date: 11 April 2024			
System Area: 02/02/01		Accountability: SR - One Person			
Site: 01/01 - 01/01		Event: 01/01/2024 - 01/01/2024			
Item	Observation	Type (H, M, C)	Immediate Action	Responsible	Target Date
01	Electrical panel board (power) open condition.	H	Electrical panel boards to be closed and lock off at all times. Only authorized electrical personnel are to operate.	SGRE	01/04/2024
02	Blocked fire extinguisher fire hose.	H	Fire extinguisher must be inspected and ready for immediate action by competent person.	SGRE	01/04/2024
03	Blocked Storage (Storage) not placed on level.	H	All storage to be on level and all that to be inspected.	SGRE	11 April 2024
04	Storage and single (Storage) safety harness not used.	H	All storage safety harness to be removed and replaced with double harness.	SGRE	11 April 2024
05	No drinking water available at drinking water station.	H	Drinking water to be available at all times.	SGRE	16 April 2024
06	Personnel (Personnel) not wearing safety harness.	M		SGRE	
07	First aid kit with MVA signs, not at site.	M		SGRE	
08	Drugs and first aid kit not available at drinking water station.	M		SGRE	

Gandharipur Water Treatment SPC		Form		MSV ID: MSV-2024-016	
SGRE CITY VIDYULA		MANAGER SAFETY VISIT		Version: 01 Date: 01/01/2024	

Gandharipur Water Treatment SPC		Form		MSV ID: MSV-2024-016	
SGRE CITY VIDYULA		MANAGER SAFETY VISIT		Version: 01 Date: 01/01/2024	



No drinking water available at drinking water station. Drinking water to be available at all times.



Electrical panel board (power) open condition. Authorized electrical personnel only are to operate.



Electrical panel board (power) open condition. Electrical panel boards to be closed and left at all times. Only authorized electrical personnel are to operate.



Blocked fire extinguisher fire hose. Fire extinguisher must be inspected and ready for immediate action by competent person.



Storage and single (Storage) safety harness not used.



Drinking water not available at drinking water station.



Personnel (Personnel) not wearing safety harness.



Storage and single (Storage) safety harness not used.

• Involving departmental Managers to be part of Health and safety processes on site

SAFETY INSPECTIONS

MDSC Weekly Safety & Environmental Site Inspections(GWT - INTAKE Site Apr 2021)

Site safety review	
Project Title: Drinking Water Supply Project	Project No: MDSC-100-2011
Author: H.M. Mahmud Islam	Date: 08/04/2021
Site Safety Review Attendees:	
Name: H.M. Mahmud Islam, Md. Omayy Farooq	Company / Designation: ARE - HDSC, HSE Supervisor / GWT/DC
Item	Comments (Date NA if not relevant)
1. Selection & Preparation	
Is there an accurate record of all persons on site? E.g. signing of log book.	Yes / No
Were you given a site induction / safety briefing on arrival at site?	Yes / No <i>Induction is integral part of the safety briefing</i>
Have all operatives on site had a full HSE induction? Are records of their training available?	Yes / No
Has a safety team and safety briefing been held this week? Is correct available if otherwise?	Yes / No <i>SAFETY briefing is being done weekly.</i>
2. Reporting & Records	
How many safety observations have been recorded today?	3 <i>1) Hand keeping 2) Handing equipment 3) Backhoe for work</i>
Is there a log of safety observations and records available on site?	Yes / No
Are approved method statements in place for all work activities?	Yes / No <i>One detail.</i>
Are permit and approval permits in place for high-risk activities?	Yes / No / N/A <i>One detail.</i>

Environmental Monitoring Checklist		
ESR Approval	Signature:	Date of this Safety Review: 10-April-2021
Engineer's Representative:	Signature:	Contractor's Representative:
Distribution: Original to project file. Copy to BMS Representative. Project Team Distribution: Copy to all present at Review Meeting. Copy to site team members not present at review meeting.		
Signature: H.M. MAHMUD ISLAM ARE (HDS)		
Name & Position:		
Consolidated Remarks if any:		

Environmental Monitoring Checklist	
Project Name: DESIGN	Phase: INTAKE
Contract Number:	Date: 10/04/2021
1. WEATHER CONDITION: <input checked="" type="checkbox"/> Sunny / <input checked="" type="checkbox"/> Cloudy / <input checked="" type="checkbox"/> Rainy / <input checked="" type="checkbox"/> Stormy / <input checked="" type="checkbox"/> Foggy / <input checked="" type="checkbox"/> Snow (Tick Box)	
2. INCIDENTS:	
2.1 Are any major incidents reported and reviewed, and corrective and preventive actions identified and recorded? Yes/No	
2.2 Have there been any incidents this week? Yes, report / Yes, minor / Near miss / No (Tick Box)	
2.3 Nature of incident: Impact on:	
<ul style="list-style-type: none"> • Terrestrial environment: flora, fauna, soil, natural resources • Aquatic environment: aquatic flora, fish, invertebrates, ground water, surface water, ponds, rivers • Air: air quality (e.g. dust) • Human: soil, sediments, fertiliser, farming, historical • Other: soil, toxic, vibration, noise, impacts of residents 	
2.4 How description of the incident, if applicable:	
2.5 Prevention Steps: (for Application / Application (Provide details):	
3. CHECKLIST:	
Item	Comments (Yes/No if not relevant)
1. Storage of Construction Material	
Are storage areas for construction plant, equipment, and materials securely fenced?	✓
Are storage areas clearly marked away from routes and environmentally critical areas, roads, and water bodies?	✓
2. Soil Management - Handling and Excavation	
Is excavation of earth from protective structures back separation from other work?	✓
Are materials designed with slopes not exceeding 1:2?	✓
Are materials covered / protected against erosion?	✓
Is a erosion mitigation plan for each aspect, or used, and approved by the specifier or the DPM?	✓
Are there drainage pipes installed and kept clear?	✓
Is the location of erosion or management plan being recorded?	✓
Is the location of erosion features being stopped or treated?	✓

Site safety review	
Are all tools and equipment in use in good condition?	Yes / No
Give details:	
<i>Dust Control and monitoring system should have to improve and have to spray water frequently.</i>	
Date(s) / Stage(s) of next Site Safety Review(s), if required:	
SSR Approval	
Signature:	Signature:
Engineer's Representative:	Contractor's Representative:
Date of this Safety Review: 08/April/2021	
Distribution: Original to project file. Copy to BMS Representative. Project Team Distribution: Copy to all present at Review Meeting. Copy to site team members not present at review meeting.	

SAFETY INSPECTIONS

MDSC Weekly Safety & Environmental Site Inspections(GWT - WTP Site Apr 2021)

Environmental Monitoring Checklist For P1, P2 P11 and P12 Construction Phase	
Project Name: <u>GWT DESIGN & PC - P11 - P12 - (1st visit)</u> Contract Number: _____ Name of Contractor: <u>GWT SMC</u> On 13-04-2021 Location: <u>WTP</u>	
WEATHER CONDITION: <input checked="" type="checkbox"/> Sunny / <input type="checkbox"/> Cloudy / <input type="checkbox"/> Rainy / <input type="checkbox"/> Stormy / <input type="checkbox"/> Foggy / <input type="checkbox"/> Snowy / <input type="checkbox"/> (Tick Mark)	
INCIDENTS: 1. Are environmental incidents reported and assessed, and corrective and preventive actions identified and recorded? (Yes/No) 2. Have there been any incidents the week? (Yes, major / Yes, minor / None / No) (Tick Mark) 3. Nature of incident - report on: <ul style="list-style-type: none"> Thermal environment: noise, fumes, soil, odour, vibration Aquatic environment: siltation, silt, fat, hydrocarbons, ground water, surface water, ponds, rivers Air quality (e.g. dust) Human use: activities, fires, spraying, fuel/food Others: e.g. noise, vibration accident, complaints of residents 4. Brief description of the incident if applicable. 5. Intervention Steps: Not Applicable / Applicable (Provide details):	
CHECKLIST:	
Item:	Comments (Enter Yes/No/Not observed)
1. Storage of Construction Materials	
Are storage areas for construction plant, equipment and raw materials suitably demarcated?	Y
Are storage areas suitably located away from houses and vulnerability (water pipes, tanks, and water supply)?	Y
2. Soil Management - Stockpiling and Excavated Material	
Is stockpiling of material from productive agriculture, with separation from other uses?	Y
Are stockpiles designed with slopes not exceeding 1:2?	Y
Are stockpiles covered / grassed to prevent erosion?	Y
Are excess materials from the work stored, in case, and disposed of as specified in the EMP?	Y
Are these storage areas maintained and kept clean?	Y
Is the location of material or management level being monitored?	Y
Is the nature of excess material being disposed of recorded?	Y

Environmental Monitoring Checklist		
SDR Approval:		
Signed: <u>[Signature]</u> Engineer's Representative	Signed: <u>[Signature]</u> Contractor's Representative 13-04-2021	Date of this Safety Review:
Declaration: Signed in presence of SDR Representative Project Team Declaration: Copy to all present at Review Meeting, Copy to site with members not present at review meeting.		
Signature: <u>Shahin Akhter</u> HSE Inspector		
Name & Position:		
Circulated Remarks if any:		

Site safety review			
Project File:	Check Environmentally Sensitive Areas Every Project	Project No:	SDP File No. (P11, P12, P13, P14, P15, P16)
Author:	<u>Shahin Akhter</u>	Date:	<u>13-04-2021</u>
Site:	<u>WTP</u>		
Site Safety Review Attention:			
Name:	1. Md. Asif Khan Asst 2. Shahin Akhter HSE Inspector / MPT		
Company:	SWINLEY GROUP ENGINEER		
Item:	Comments (Enter Yes/No/Not observed)		
1. Instruction & Instructions			
Is there an accurate record of all persons on site? (e.g. signing in log book)	Y/No/No		
Were you given a site induction (daily briefing on arrival at site)?	Y/No/No		
Have all operations on site had a full risk reduction? Are records of these training available?	Y/No/No		
Has a weekly health and safety briefing been held this week? Is a record available of attendance?	Y/No/No		
2. Reporting & Records			
How many safety observations have been recorded today?			
Is there a log of safety observations and records available on site?	Y/No/No		
Are approved method statements in place for all work activities?	Observed		
Are signed and approved permit to work in place for high risk activities?	Observed		

Site safety review		
Are all items and equipment in use in good condition?	Yes/No:	
1) Minimum PPE missing 2) Task specific PPE missing 3) First aid kit disposed by a worker 4) Worker needs to be supervised		
Defects / Stages of next Site Safety Review, if required:		
SDR Approval:		
Signed: <u>[Signature]</u> Engineer's Representative	Signed: <u>[Signature]</u> Contractor's Representative 13-04-2021	Date of this Safety Review:
Declaration: Signed in presence of SDR Representative Project Team Declaration: Copy to all present at Review Meeting, Copy to site with members not present at review meeting.		

SAFETY INSPECTIONS

First Aid Box & Ambulance Inspections- WTP Site 25-Apr-2021)



Inspecting the first aid box and Ambulance medical supplies is to organize, prepare for replenishment medical supplies

Inspections for:

- Check for Unsafe/Damaged Products
- Check for expiration dates of medical supplies
- Review & Observe the usage and available inventory.
- Arrange & organize the product to it's appropriate location in the ambulance cabinets and first aid boxes

SAFETY INSPECTIONS

First Aid Box & Ambulance Inspections- INTAKE Site 21-Apr-2021)



Inspecting the first aid box and Ambulance medical supplies is to organize, prepare for replenishment medical supplies

Inspections for:

- Check for Unsafe/Damaged Products
- Check for expiration dates of medical supplies
- Review & Observe the usage and available inventory.
- Arrange & organize the product to it's appropriate location in the ambulance cabinets and first aid boxes

SAFETY INSPECTIONS

GWT WTP Monthly Plant & Equipment Inspection (Apr-2021)



Monthly Plant & Equipment Inspection

- Monthly plant and equipment inspection is a preventive way to make sure equipment is safe for use and that all systems are working properly. Inspection identifies whether the plant or equipment can be operated, adjusted and maintained safely and that any deterioration (e.g. defect; damage; wear) can be detected and remedied before it results in unacceptable health and safety risk

SAFETY INSPECTIONS

GWT INTAKE / RWP Monthly Plant & Equipment Inspection Apr-2021)



Monthly Plant & Equipment Inspection

- Monthly plant and equipment inspection is a preventive way to make sure equipment is safe for use and that all systems are working properly. Inspection identifies whether the plant or equipment can be operated, adjusted and maintained safely and that any deterioration (e.g. defect; damage; wear) can be detected and remedied before it results in unacceptable health and safety risk

SAFETY INSPECTIONS

Tower Crane Inspections – WTP Site 21-Apr-2021)



Tower Crane Inspection

Inspections for:

- Properly torque or replace nuts and bolts
- Inspect components for cracks and wear
- Inspection of safety devices functionality

SAFETY INSPECTIONS Tower Crane Maintenance Logs (April 21)

Design and Build of Intake, Raw Water Pipeline, and 500 MLD Water Treatment Plant at Gandharipur under Dhaka Environmentally Sustainable Water Supply Project (DEWSWP)						
PLANT & EQUIPMENT MAINTENANCE LOG						
Name of Plant / Equipment		Manufacturer's Contact details	Manufacturer's Name and Contact details	Date of Purchase	Plant Responsible for Plant / Equipment	Page 1/1
Tower		CSURE	CSURE	17/04/2021	17/04/2021	
Date	Maintenance Description	Action Required	Maintenance performed by	Date of completion (Date and Time)	Validation performed by	Next Maintenance Due Date
17/04/2021	1. Tower inspection (11:30 AM to 12:30 PM) 2. Tower inspection (12:30 PM to 1:30 PM)	Visual inspection of tower and all parts and components. Check for any loose bolts, nuts, and washers. Check for any damage to the tower structure.	CSURE	17/04/2021	CSURE	17/04/2021
17/04/2021	3. NUT & BOLT	Check for any loose nuts and bolts. Tighten any loose nuts and bolts.	CSURE	17/04/2021	CSURE	17/04/2021
17/04/2021	4. Tower Inspection and Load Limit	Check for any damage to the tower structure. Check for any loose bolts, nuts, and washers. Check for any damage to the tower structure.	CSURE	17/04/2021	CSURE	17/04/2021
17/04/2021	5. Lubrication	Check for any oil leaks. Lubricate all moving parts.	CSURE	17/04/2021	CSURE	17/04/2021
17/04/2021	6. Check tower & crane	Check for any damage to the tower structure. Check for any loose bolts, nuts, and washers. Check for any damage to the tower structure.	CSURE	17/04/2021	CSURE	17/04/2021
17/04/2021	7. Safety inspection	Check for any safety hazards. Check for any loose bolts, nuts, and washers. Check for any damage to the tower structure.	CSURE	17/04/2021	CSURE	17/04/2021
17/04/2021	8. Safety inspection	Check for any safety hazards. Check for any loose bolts, nuts, and washers. Check for any damage to the tower structure.	CSURE	17/04/2021	CSURE	17/04/2021

Design and Build of Intake, Raw Water Pipeline, and 500 MLD Water Treatment Plant at Gandharipur under Dhaka Environmentally Sustainable Water Supply Project (DEWSWP)						
PLANT & EQUIPMENT MAINTENANCE LOG						
Name of Plant / Equipment		Manufacturer's Contact details	Manufacturer's Name and Contact details	Date of Purchase	Plant Responsible for Plant / Equipment	Page 1/1
Tower		CSURE	CSURE	17/04/2021	17/04/2021	
Date	Maintenance Description	Action Required	Maintenance performed by	Date of completion (Date and Time)	Validation performed by	Next Maintenance Due Date
17/04/2021	1. Tower inspection (11:30 AM to 12:30 PM) 2. Tower inspection (12:30 PM to 1:30 PM)	Visual inspection of tower and all parts and components. Check for any loose bolts, nuts, and washers. Check for any damage to the tower structure.	CSURE	17/04/2021	CSURE	17/04/2021
17/04/2021	3. NUT & BOLT	Check for any loose nuts and bolts. Tighten any loose nuts and bolts.	CSURE	17/04/2021	CSURE	17/04/2021
17/04/2021	4. Tower Inspection and Load Limit	Check for any damage to the tower structure. Check for any loose bolts, nuts, and washers. Check for any damage to the tower structure.	CSURE	17/04/2021	CSURE	17/04/2021
17/04/2021	5. Lubrication	Check for any oil leaks. Lubricate all moving parts.	CSURE	17/04/2021	CSURE	17/04/2021
17/04/2021	6. Check tower & crane	Check for any damage to the tower structure. Check for any loose bolts, nuts, and washers. Check for any damage to the tower structure.	CSURE	17/04/2021	CSURE	17/04/2021
17/04/2021	7. Safety inspection	Check for any safety hazards. Check for any loose bolts, nuts, and washers. Check for any damage to the tower structure.	CSURE	17/04/2021	CSURE	17/04/2021
17/04/2021	8. Safety inspection	Check for any safety hazards. Check for any loose bolts, nuts, and washers. Check for any damage to the tower structure.	CSURE	17/04/2021	CSURE	17/04/2021

Design and Build of Intake, Raw Water Pipeline, and 500 MLD Water Treatment Plant at Gandharipur under Dhaka Environmentally Sustainable Water Supply Project (DEWSWP)						
PLANT & EQUIPMENT MAINTENANCE LOG						
Name of Plant / Equipment		Manufacturer's Contact details	Manufacturer's Name and Contact details	Date of Purchase	Plant Responsible for Plant / Equipment	Page 1/1
Tower		CSURE	CSURE	17/04/2021	17/04/2021	
Date	Maintenance Description	Action Required	Maintenance performed by	Date of completion (Date and Time)	Validation performed by	Next Maintenance Due Date
17/04/2021	1. Tower inspection (11:30 AM to 12:30 PM) 2. Tower inspection (12:30 PM to 1:30 PM)	Visual inspection of tower and all parts and components. Check for any loose bolts, nuts, and washers. Check for any damage to the tower structure.	CSURE	17/04/2021	CSURE	17/04/2021
17/04/2021	3. NUT & BOLT	Check for any loose nuts and bolts. Tighten any loose nuts and bolts.	CSURE	17/04/2021	CSURE	17/04/2021
17/04/2021	4. Tower Inspection and Load Limit	Check for any damage to the tower structure. Check for any loose bolts, nuts, and washers. Check for any damage to the tower structure.	CSURE	17/04/2021	CSURE	17/04/2021
17/04/2021	5. Lubrication	Check for any oil leaks. Lubricate all moving parts.	CSURE	17/04/2021	CSURE	17/04/2021
17/04/2021	6. Check tower & crane	Check for any damage to the tower structure. Check for any loose bolts, nuts, and washers. Check for any damage to the tower structure.	CSURE	17/04/2021	CSURE	17/04/2021
17/04/2021	7. Safety inspection	Check for any safety hazards. Check for any loose bolts, nuts, and washers. Check for any damage to the tower structure.	CSURE	17/04/2021	CSURE	17/04/2021
17/04/2021	8. Safety inspection	Check for any safety hazards. Check for any loose bolts, nuts, and washers. Check for any damage to the tower structure.	CSURE	17/04/2021	CSURE	17/04/2021

Design and Build of Intake, Raw Water Pipeline, and 500 MLD Water Treatment Plant at Gandharipur under Dhaka Environmentally Sustainable Water Supply Project (DEWSWP)						
PLANT & EQUIPMENT MAINTENANCE LOG						
Name of Plant / Equipment		Manufacturer's Contact details	Manufacturer's Name and Contact details	Date of Purchase	Plant Responsible for Plant / Equipment	Page 1/1
Tower		CSURE	CSURE	17/04/2021	17/04/2021	
Date	Maintenance Description	Action Required	Maintenance performed by	Date of completion (Date and Time)	Validation performed by	Next Maintenance Due Date
17/04/2021	1. Tower inspection (11:30 AM to 12:30 PM) 2. Tower inspection (12:30 PM to 1:30 PM)	Visual inspection of tower and all parts and components. Check for any loose bolts, nuts, and washers. Check for any damage to the tower structure.	CSURE	17/04/2021	CSURE	17/04/2021
17/04/2021	3. NUT & BOLT	Check for any loose nuts and bolts. Tighten any loose nuts and bolts.	CSURE	17/04/2021	CSURE	17/04/2021
17/04/2021	4. Tower Inspection and Load Limit	Check for any damage to the tower structure. Check for any loose bolts, nuts, and washers. Check for any damage to the tower structure.	CSURE	17/04/2021	CSURE	17/04/2021
17/04/2021	5. Lubrication	Check for any oil leaks. Lubricate all moving parts.	CSURE	17/04/2021	CSURE	17/04/2021
17/04/2021	6. Check tower & crane	Check for any damage to the tower structure. Check for any loose bolts, nuts, and washers. Check for any damage to the tower structure.	CSURE	17/04/2021	CSURE	17/04/2021
17/04/2021	7. Safety inspection	Check for any safety hazards. Check for any loose bolts, nuts, and washers. Check for any damage to the tower structure.	CSURE	17/04/2021	CSURE	17/04/2021
17/04/2021	8. Safety inspection	Check for any safety hazards. Check for any loose bolts, nuts, and washers. Check for any damage to the tower structure.	CSURE	17/04/2021	CSURE	17/04/2021

Plant and Equipment Maintenance Log:

- The Plant and equipment maintenance log is a simple document that contains a list of all actions that have been performed on a certain piece of equipment and helps keep track of the maintenance history.

SAFETY INSPECTIONS

GWT WTP – Plant & Equipment Maintenance Log (Apr-2021)

Gandharapur Water Treatment SMC						
Design and Build of Intake, Raw Water Pipeline, and 500 MLD Water Treatment Plant at Gandharapur under Chaska Environmentally Sustainable Water Supply Project (CESWSP)						
PLANT & EQUIPMENT MAINTENANCE LOG						
Name of Plant/ Equipment	Make/ Model	Manufacturer's Control Panel	Year of Purchase	Plant Responsibility for Plant/ Equipment	Plant No.	MSD No.
Date	Maintenance Description	Action Required	Maintenance performed by	Date of completion (dd-mm-yy)	Location performed at	Plant Maintenance Use Date
20-04-21	General Servicing	Change of Oil and Filter	MSD	20-04-21	Raw Water Pipeline	20-04-21

Gandharapur Water Treatment SMC						
Design and Build of Intake, Raw Water Pipeline, and 500 MLD Water Treatment Plant at Gandharapur under Chaska Environmentally Sustainable Water Supply Project (CESWSP)						
PLANT & EQUIPMENT MAINTENANCE LOG						
Name of Plant/ Equipment	Make/ Model	Manufacturer's Control Panel	Year of Purchase	Plant Responsibility for Plant/ Equipment	Plant No.	MSD No.
Date	Maintenance Description	Action Required	Maintenance performed by	Date of completion (dd-mm-yy)	Location performed at	Plant Maintenance Use Date
20-04-21	General Servicing	Change of Oil and Filter	MSD	20-04-21	Raw Water Pipeline	20-04-21

Gandharapur Water Treatment SMC						
Design and Build of Intake, Raw Water Pipeline, and 500 MLD Water Treatment Plant at Gandharapur under Chaska Environmentally Sustainable Water Supply Project (CESWSP)						
PLANT & EQUIPMENT MAINTENANCE LOG						
Name of Plant/ Equipment	Make/ Model	Manufacturer's Control Panel	Year of Purchase	Plant Responsibility for Plant/ Equipment	Plant No.	MSD No.
Date	Maintenance Description	Action Required	Maintenance performed by	Date of completion (dd-mm-yy)	Location performed at	Plant Maintenance Use Date
20-04-21	General Servicing	Change of Oil and Filter	MSD	20-04-21	Raw Water Pipeline	20-04-21

Gandharapur Water Treatment SMC						
Design and Build of Intake, Raw Water Pipeline, and 500 MLD Water Treatment Plant at Gandharapur under Chaska Environmentally Sustainable Water Supply Project (CESWSP)						
PLANT & EQUIPMENT MAINTENANCE LOG						
Name of Plant/ Equipment	Make/ Model	Manufacturer's Control Panel	Year of Purchase	Plant Responsibility for Plant/ Equipment	Plant No.	MSD No.
Date	Maintenance Description	Action Required	Maintenance performed by	Date of completion (dd-mm-yy)	Location performed at	Plant Maintenance Use Date
20-04-21	General Servicing	Change of Oil and Filter	MSD	20-04-21	Raw Water Pipeline	20-04-21

Plant and Equipment Maintenance Log:

- The Plant and equipment maintenance log is a simple document that contains a list of all actions that have been performed on a certain piece of equipment and helps keep track of the maintenance history.

SAFETY INSPECTIONS

GWT INTAKE / RWP – Plant & Equipment Maintenance Log Apr-2021)

Gandharipur Water Treatment SMC Design and Build of Intake, Raw Water Pipeline, and 500 MLD Water Treatment Plant at Gandharipur under Dhaka Environmentally Sustainable Water Supply Project (DEWSWP) PLANT & EQUIPMENT MAINTENANCE LOG						
Name of Plant / Equipment	Quantity	Manufacturer	Model	Year of Purchase	Plant / Equipment	Plant No.
07-Apr-21	General Maintenance and Repair Check	Engine oil change Change air filter Hydraulic filter change Tighten and re-oil Lubrication	None	28-Mar-2021	Water Pump	28-Apr-2021
07-Apr-21	General Maintenance	Oil change Air filter cleaning Hydraulic filter change Lubrication	None	28-Mar-2021	Water Pump	28-Apr-2021
07-Apr-21	General Maintenance	Engine oil change Air filter cleaning Hydraulic filter change Lubrication	None	28-Mar-2021	Water Pump	28-Apr-2021

Gandharipur Water Treatment SMC Design and Build of Intake, Raw Water Pipeline, and 500 MLD Water Treatment Plant at Gandharipur under Dhaka Environmentally Sustainable Water Supply Project (DEWSWP) PLANT & EQUIPMENT MAINTENANCE LOG						
Name of Plant / Equipment	Quantity	Manufacturer	Model	Year of Purchase	Plant / Equipment	Plant No.
08-Apr-21	General maintenance and repair check	Engine oil change Air filter cleaning Hydraulic filter change Lubrication	None	28-Mar-2021	Water Pump	28-Apr-2021

Gandharipur Water Treatment SMC Design and Build of Intake, Raw Water Pipeline, and 500 MLD Water Treatment Plant at Gandharipur under Dhaka Environmentally Sustainable Water Supply Project (DEWSWP) PLANT & EQUIPMENT MAINTENANCE LOG						
Name of Plant / Equipment	Quantity	Manufacturer	Model	Year of Purchase	Plant / Equipment	Plant No.
08-Apr-21	General maintenance and repair check	Engine oil change Air filter cleaning Hydraulic filter change Lubrication	None	28-Mar-2021	Water Pump	28-Apr-2021
13-Apr-21	General maintenance and repair check	Engine oil change Air filter cleaning Hydraulic filter change Lubrication	None	28-Mar-2021	Water Pump	28-Apr-2021

Gandharipur Water Treatment SMC Design and Build of Intake, Raw Water Pipeline, and 500 MLD Water Treatment Plant at Gandharipur under Dhaka Environmentally Sustainable Water Supply Project (DEWSWP) PLANT & EQUIPMENT MAINTENANCE LOG						
Name of Plant / Equipment	Quantity	Manufacturer	Model	Year of Purchase	Plant / Equipment	Plant No.
08-Apr-21	General maintenance and repair check	Engine oil change Air filter cleaning Hydraulic filter change Lubrication	None	28-Mar-2021	Water Pump	28-Apr-2021

Plant and Equipment Maintenance Log:

- The Plant and equipment maintenance log is a simple document that contains a list of all actions that have been performed on a certain piece of equipment and helps keep track of the maintenance history.



SAFETY OBSERATION CARD (SOC) (WTP – SOC Report 25th Mar~26th Apr)

Observer	Date	Time	Location	Activity	Task	Result
...	25/03/2017	10:00 AM	...	...	...	...
...	26/03/2017	...	...	...	...	...

Positive Site Condition	Safety Behaviour
1. Guard FR compliance at work site	1. Slipping someone who is without PPE or not wearing the correct PPE
2. Proper signage and barriers are in place to warn activity to warn others of activities	2. Ensuring that barrier and warning signage of work site are material real and effective
3. Work safety permits are displayed at prominent and correct location	3. Ensuring that permits are displayed at correct location / posting of the sign to work site
4. Maintaining good housekeeping at work site	4. Routinely inspecting housekeeping work area / ensuring of hazards at site
5. Electrical work is done by certified safe for use and well-protected	5. Ensuring both are inspected and safe before use / identifying and removing unsafe work from site
6. Lifting done in a barricaded and unattended personnel are present / handling and / lifting activity is safely controlled and managed	6. Ensuring a lifting operation when damaged / faulty lifting equipment are being used / keeping others away from potential line of fall
7. Fire protection at hot work area is well managed and maintained	7. Storing air-coupled air which could result in injuries
8. Safe condition at unexcavated space / excavation	8. Lifting & Hoisting Equipment

Observation Details:
Working on vertical wall with footer canal engaged both tunnels to apply force.

Hazard Reported	Area Barriercd	Work Stopped	Warning Signs Displayed	Unexcavated Corrected
Personnel was engaged and recognized to safe behaviour				

Follow up actions / Suggestion Actions To Be Taken:

Informed PPE Dept	Informed relevant subcontractor	Informed immediate supervisor	Outstanding	To be recognized to safe behaviour
...

Verification By HSE Representative:
Action Taken: ...
Name: ...
Designation: ...

Observer	Date	Time	Location	Activity	Task	Result
...	25/03/2017	...	...	...	...	...
...	26/03/2017	...	...	...	...	...

Positive Site Condition	Safety Behaviour
1. Guard FR compliance at work site	1. Slipping someone who is without PPE or not wearing the correct PPE
2. Proper signage and barriers are in place to warn activity to warn others of activities	2. Ensuring that barrier and warning signage of work site are material real and effective
3. Work safety permits are displayed at prominent and correct location	3. Ensuring that permits are displayed at correct location / posting of the sign to work site
4. Maintaining good housekeeping at work area	4. Routinely inspecting housekeeping work area / ensuring of hazards at site
5. Electrical work is done by certified safe for use and well-protected	5. Ensuring both are inspected and safe before use / identifying and removing unsafe work from site
6. Lifting done in a barricaded and unattended personnel are present / handling and / lifting activity is safely controlled and managed	6. Ensuring a lifting operation when damaged / faulty lifting equipment are being used / keeping others away from potential line of fall
7. Fire protection at hot work area is well managed and maintained	7. Storing air-coupled air which could result in injuries
8. Safe condition at unexcavated space / excavation	8. Lifting & Hoisting Equipment

Observation Details:
OP-4F-107. Noticed dirt in between the ceiling gaps. Informed Site Camp Boss and HSE Supervisor

Hazard Reported	Area Barriercd	Work Stopped	Warning Signs Displayed	Unexcavated Corrected
Personnel was engaged and recognized to safe behaviour				

Follow up actions / Suggestion Actions To Be Taken:

Informed PPE Dept	Informed relevant subcontractor	Informed immediate supervisor	Outstanding	To be recognized to safe behaviour
...

Verification By HSE Representative:
Action Taken: ...
Name: ...
Designation: ...

That's SOC is a safety tool that get all employees involved in safety. Counts of the number of safe and unsafe conditions in a work area for a given time

Objectives

- Identify Hazards
- Eliminate Hazards
- Report Findings to Site Supervisor / HSE Representative

Monthly HSE Report



SAFETY OBSERATION CARD (SOC) (INTAKE – SOC Report 25th Mar~26th Apr)

Observer Name: <i>Saurabh Kulkarni</i>		Date: <i>18/04/22</i>	Time: <i>07:00 AM</i>
1. PPE	Yes	Yes	Yes
2. Safety Vest	Yes	Yes	Yes
3. Safety Helm	Yes	Yes	Yes
4. Safety Goggles	Yes	Yes	Yes
5. Safety Boots	Yes	Yes	Yes
6. Safety Gloves	Yes	Yes	Yes
7. Safety Harness	Yes	Yes	Yes
8. Safety Net	Yes	Yes	Yes
9. Safety Signage	Yes	Yes	Yes
10. Safety Barricade	Yes	Yes	Yes
11. Safety Lights	Yes	Yes	Yes
12. Safety Sound	Yes	Yes	Yes
13. Safety Communication	Yes	Yes	Yes
14. Safety Training	Yes	Yes	Yes
15. Safety Supervision	Yes	Yes	Yes
16. Safety Documentation	Yes	Yes	Yes
17. Safety Equipment	Yes	Yes	Yes
18. Safety Procedures	Yes	Yes	Yes
19. Safety Protocols	Yes	Yes	Yes
20. Safety Standards	Yes	Yes	Yes
21. Safety Compliance	Yes	Yes	Yes
22. Safety Audits	Yes	Yes	Yes
23. Safety Inspections	Yes	Yes	Yes
24. Safety Assessments	Yes	Yes	Yes
25. Safety Reviews	Yes	Yes	Yes
26. Safety Meetings	Yes	Yes	Yes
27. Safety Reports	Yes	Yes	Yes
28. Safety Records	Yes	Yes	Yes
29. Safety Archives	Yes	Yes	Yes
30. Safety References	Yes	Yes	Yes

Positive Site Conditions	Safety Behavior
1. Construction site is well organized and clean.	1. Workers are wearing PPE (Hard hat, safety vest, safety boots, safety gloves, safety harness, safety net, safety lights, safety sound, safety communication, safety training, safety supervision, safety documentation, safety equipment, safety procedures, safety protocols, safety standards, safety compliance, safety audits, safety inspections, safety assessments, safety reviews, safety meetings, safety reports, safety records, safety archives, safety references).
2. Safety signs and barricades are clearly visible and in good condition.	2. Workers are following safety signs and barricades.
3. Safety lights and sound are working properly.	3. Workers are using safety lights and sound.
4. Safety communication is effective.	4. Workers are communicating effectively.
5. Safety training and supervision are adequate.	5. Workers are receiving adequate training and supervision.
6. Safety documentation is complete and up-to-date.	6. Workers are maintaining complete and up-to-date documentation.
7. Safety equipment is well maintained and used correctly.	7. Workers are using safety equipment correctly.
8. Safety procedures and protocols are followed.	8. Workers are following safety procedures and protocols.
9. Safety standards are being met.	9. Workers are meeting safety standards.
10. Safety compliance is being maintained.	10. Workers are maintaining safety compliance.
11. Safety audits and inspections are being conducted.	11. Workers are participating in safety audits and inspections.
12. Safety assessments and reviews are being conducted.	12. Workers are participating in safety assessments and reviews.
13. Safety meetings are being held.	13. Workers are attending safety meetings.
14. Safety reports and records are being maintained.	14. Workers are reporting safety incidents and maintaining records.
15. Safety archives and references are being maintained.	15. Workers are using safety archives and references.

Observation details:
140/130: Both falling area, require barricade improvement & additional signage.

Immediate Action Taken	WSPS Reviewed	Area Baricaded	Work Stopped	Warning Signs Displayed	Unsafe Act Corrected
1. Immediate Action Taken	1. WSPS Reviewed	1. Area Baricaded	1. Work Stopped	1. Warning Signs Displayed	1. Unsafe Act Corrected

Follow up Action/ Suggestion/ Action To Be Taken

Reviewed By	Reviewed Date	Reviewed By	Reviewed Date	Reviewed By	Reviewed Date
1. Reviewed By	1. Reviewed Date	1. Reviewed By	1. Reviewed Date	1. Reviewed By	1. Reviewed Date

Verification by HSE Department
 Action Taken: *Reviewed and signed by HSE*
 Date: *18/04/2022*
 Name: *M. D. D. D. D.*
 Designation: *HSE Supervisor*

Observer Name: <i>M. D. D. D.</i>		Date: <i>25/03/22</i>	Time: <i>11:00 AM</i>
1. PPE	Yes	Yes	Yes
2. Safety Vest	Yes	Yes	Yes
3. Safety Helm	Yes	Yes	Yes
4. Safety Goggles	Yes	Yes	Yes
5. Safety Boots	Yes	Yes	Yes
6. Safety Gloves	Yes	Yes	Yes
7. Safety Harness	Yes	Yes	Yes
8. Safety Net	Yes	Yes	Yes
9. Safety Signage	Yes	Yes	Yes
10. Safety Barricade	Yes	Yes	Yes
11. Safety Lights	Yes	Yes	Yes
12. Safety Sound	Yes	Yes	Yes
13. Safety Communication	Yes	Yes	Yes
14. Safety Training	Yes	Yes	Yes
15. Safety Supervision	Yes	Yes	Yes
16. Safety Documentation	Yes	Yes	Yes
17. Safety Equipment	Yes	Yes	Yes
18. Safety Procedures	Yes	Yes	Yes
19. Safety Protocols	Yes	Yes	Yes
20. Safety Standards	Yes	Yes	Yes
21. Safety Compliance	Yes	Yes	Yes
22. Safety Audits	Yes	Yes	Yes
23. Safety Inspections	Yes	Yes	Yes
24. Safety Assessments	Yes	Yes	Yes
25. Safety Reviews	Yes	Yes	Yes
26. Safety Meetings	Yes	Yes	Yes
27. Safety Reports	Yes	Yes	Yes
28. Safety Records	Yes	Yes	Yes
29. Safety Archives	Yes	Yes	Yes
30. Safety References	Yes	Yes	Yes

Positive Site Conditions	Safety Behavior
1. Construction site is well organized and clean.	1. Workers are wearing PPE (Hard hat, safety vest, safety boots, safety gloves, safety harness, safety net, safety lights, safety sound, safety communication, safety training, safety supervision, safety documentation, safety equipment, safety procedures, safety protocols, safety standards, safety compliance, safety audits, safety inspections, safety assessments, safety reviews, safety meetings, safety reports, safety records, safety archives, safety references).
2. Safety signs and barricades are clearly visible and in good condition.	2. Workers are following safety signs and barricades.
3. Safety lights and sound are working properly.	3. Workers are using safety lights and sound.
4. Safety communication is effective.	4. Workers are communicating effectively.
5. Safety training and supervision are adequate.	5. Workers are receiving adequate training and supervision.
6. Safety documentation is complete and up-to-date.	6. Workers are maintaining complete and up-to-date documentation.
7. Safety equipment is well maintained and used correctly.	7. Workers are using safety equipment correctly.
8. Safety procedures and protocols are followed.	8. Workers are following safety procedures and protocols.
9. Safety standards are being met.	9. Workers are meeting safety standards.
10. Safety compliance is being maintained.	10. Workers are maintaining safety compliance.
11. Safety audits and inspections are being conducted.	11. Workers are participating in safety audits and inspections.
12. Safety assessments and reviews are being conducted.	12. Workers are participating in safety assessments and reviews.
13. Safety meetings are being held.	13. Workers are attending safety meetings.
14. Safety reports and records are being maintained.	14. Workers are reporting safety incidents and maintaining records.
15. Safety archives and references are being maintained.	15. Workers are using safety archives and references.

Observation details:
I saw that they are gradually construction the area under way.

Immediate Action Taken	WSPS Reviewed	Area Baricaded	Work Stopped	Warning Signs Displayed	Unsafe Act Corrected
1. Immediate Action Taken	1. WSPS Reviewed	1. Area Baricaded	1. Work Stopped	1. Warning Signs Displayed	1. Unsafe Act Corrected

Follow up Action/ Suggestion/ Action To Be Taken

Reviewed By	Reviewed Date	Reviewed By	Reviewed Date	Reviewed By	Reviewed Date
1. Reviewed By	1. Reviewed Date	1. Reviewed By	1. Reviewed Date	1. Reviewed By	1. Reviewed Date

Verification by HSE Department
 Action Taken: *Reviewed and signed by HSE*
 Date: *25/03/2022*
 Name: *M. D. D. D.*
 Designation: *HSE Supervisor*

That's SOC is a safety tool that get all employees involved in safety. Counts of the number of safe and unsafe conditions in a work area for a given time

Objectives

- Identify Hazards
- Eliminate Hazards
- Report Findings to Site Supervisor / HSE Representative



SAFETY INSPECTIONS & MEETINGS

Name of Contractor	Month	Weekly HSE Committee Meeting	External HSE Meetings	Safety Observation Card (SOC)	Safety Walkthrough	Managers Site Visit (MSV)	Name of Contractor	Month	Weekly HSE Committee Meeting	Safety Observation Card (SOC)	Safety Walkthrough	Managers Site Visit (MSV)
GWT-WTP	Jan-21	4	2	0	2	0	GWT-WTP	Jul-21				
GWT-INTAKE		4	2	0	2	0	GWT-INTAKE					
GWT-RWP		0	0	0	0	0	GWT-RWP					
CAMCE		0	0	0	0	0	CAMCE					
GWT-WTP	Feb-21	4	2	0	2	0	GWT-WTP	Aug-21				
GWT-INTAKE		4	2	0	2	0	GWT-INTAKE					
GWT-RWP		0	0	0	0	0	GWT-RWP					
CAMCE		0	0	0	0	0	CAMCE					
GWT-WTP	Mar -21	2	2	21	2	2	GWT-WTP	Sep-21				
GWT-INTAKE		2	2	11	2	1	GWT-INTAKE					
GWT-RWP		0	0	0	0	0	GWT-RWP					
CAMCE		0	0	0	0	0	CAMCE					
GWT-WTP	Apr-21						GWT-WTP	Oct-21				
GWT-INTAKE							GWT-INTAKE					
GWT-RWP							GWT-RWP					
CAMCE							CAMCE					
GWT-WTP	May-21						GWT-WTP	Nov-21				
GWT-INTAKE							GWT-INTAKE					
GWT-RWP							GWT-RWP					
CAMCE							CAMCE					
GWT-WTP	Jun-21						GWT-WTP	Dec-21				
GWT-INTAKE							GWT-INTAKE					
GWT-RWP							GWT-RWP					
CAMCE							CAMCE					

Permit To Work (PTW) Bi-Monthly HIV AIDS - STI Awareness & Prevention Program – (19th April 2021)



Creating awareness amongst project employees to eliminate stigma and discrimination around HIV and to encourage members of key populations to access HIV prevention, testing, treatment and care services through innovative initiatives and also to increasing the use of protection from HIV infection.

Permit To Work (PTW) Bi-Monthly HIV AIDS - STI Awareness & Prevention Program – (19th April 2021)



WTP - Distribution of
Condoms



Permit To Work (PTW) Bi-Monthly HIV AIDS - STI Awareness & Prevention Program – (19th April 2021)



WTP - End of Event
Photo Session

Permit To Work (PTW) Bi-Monthly HIV AIDS - STI Awareness & Prevention Program – (19th April 2021)



INTAKE Staff and Site Workers Awareness Session

Permit To Work (PTW) Bi-Monthly HIV AIDS - STI Awareness & Prevention Program – (19th April 2021)



INTAKE - Distribution of
Condoms & End of
Event Photo Session



Permit To Work (PTW) Bi-Monthly HIV AIDS - STI Awareness & Prevention Program – (19th April 2021)



RWP - Staff and Site Workers Awareness Session

Permit To Work (PTW) Bi-Monthly HIV AIDS - STI Awareness & Prevention Program – (19th April 2021)



RWP - Distribution of
Condoms



Permit To Work (PTW) Bi-Monthly HIV AIDS - STI Awareness & Prevention Program – (19th April 2021)



RWP - End of Event
Photo Session



COVID-19 AWARENESS CAMPAIGN





COVID-19 AWARENESS

COVID-19 PROTOCOLS

Display of awareness campaign banners,
 Security Gate body temperature screening
 Life Camp body temperature screening
 Restricted access to site
 Screening Visitors before granting access to site
 Enforcing use of COVID-19 PPEs, hand sanitizing and vehicles disinfection
 Disinfection of common areas (INTAKE & WTP)

BODY TEMPERATURE SCREENING

Project Site	Specific Location	Number of personnel
WTP	Main Security Gate	4372
WTP	Life Camp	618
INTAKE	Main Security Gate	5244
INTAKE	Life Camp	321

COVID-19 TEST STATUS

Month	Company	Personnel	Purpose	Positive cases
26 Mar~25Apr-2021	GWT - WTP	0	Non	0
	SBPL - WTP	0	Non	
	CAMCE	31	For site access	
	GWT - INTAKE	0	Non	
	GSS	25	For site access	
	SBPL - INTAKE	0	Non	
	FAREES - INTAKE	3	For site access	
	SECURITY - INTAKE	15	For site access	
	GWT - RWP	0	Non	
Total Personnel Tested	74	Total Positive Cases	0	

COVID-19 AWARENESS CAMPAIGN Enforcing COVID-19 Prevention Protocols (GWT -WTP)



- Maintaining COVID-19 Protocols at the security gate
- Disinfecting common places
- Disinfection vehicles arriving the project site

COVID-19 AWARENESS CAMPAIGN Enforcing COVID-19 Prevention Protocols (GWT -WTP)



- Maintaining COVID-19 Protocols at the workers camp security gate
- Hand sanitizing and temperatures screening of personnel



COVID-19 AWARENESS CAMPAIGN Enforcing COVID-19 Prevention Protocols (GWT -INTAKE)



- Maintaining COVID-19 Protocols at the security gate
- Hand sanitizing and temperatures screening of personnel
- Disinfection vehicles arriving the project site

ENVIRONMENTAL STATUS

AIR QUALITY MONITORING - CAMCE

 Gandharbpur Water Treatment SNC A Joint Venture of SUEZ INTERNATIONAL & OTV-VEOLIA		DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)								 B-001464-CMC-EN-GWT-RP-5001 Date:20-Jul-2020 Rev 006 (A00)		
		AIR QUALITY MONITORING LOG										
Date	Monitoring Duration	Time	Location	Temp	Humidity	CO ₂	HCHO	TVOC	C ₆ H ₆	SPM	PM _{2.5}	PM ₁₀
				(°C)	(%)	ppm	mg/m ³	mg/m ³	mg/m ³	(ug/m ³)	(ug/m ³)	(ug/m ³)
27/3/2021	60Mins	09:00 Hours	W95 (SW)	31°C	51%	443	0.01	0.28	0.06	265	92	173
27/3/2021	60Mins	10:15 Hours	W92	31°C	51%	465	0.03	0.24	0.05	291	98	193
27/3/2021	60Mins	11:20 Hours	W01(SE)	31°C	53%	460	0.04	0.21	0.06	312	107	205
27/3/2021	60Mins	14:15 Hours	W83(NE)	30°C	54%	466	0.04	0.21	0.06	295	101	194
27/3/2021	60Mins	15:20 Hours	North boundary	29°C	55%	486	0.05	0.23	0.07	413	137	276
30/3/2021	60Mins	09:00 Hours	W95 (SW)	30°C	83%	426	0.01	0.32	0.07	370	127	243
30/3/2021	60Mins	10:15 Hours	W92	31°C	81%	440	0.01	0.28	0.06	328	114	214
30/3/2021	60Mins	11:20 Hours	W01(SE)	30°C	78%	447	0.01	0.26	0.06	332	108	224
30/3/2021	60Mins	14:15 Hours	W83(NE)	29°C	82%	447	0.02	0.25	0.06	316	109	207
30/3/2021	60Mins	15:20 Hours	North boundary	29°C	82%	451	0.02	0.24	0.07	283	99	184
11/4/2021	60Mins	09:00 Hours	W95 (SW)	31°C	71%	467	0.01	0.3	0.07	272	91	181
11/4/2021	60Mins	10:15 Hours	W92	31°C	70%	465	0.01	0.26	0.06	307	101	206
11/4/2021	60Mins	11:20 Hours	W01(SE)	31°C	69%	447	0.02	0.26	0.06	290	93	197
11/4/2021	60Mins	14:15 Hours	W83(NE)	30°C	72%	450	0.03	0.24	0.07	340	111	229
11/4/2021	60Mins	15:20 Hours	North boundary	30°C	71%	450	0.04	0.25	0.05	525	169	356
13/4/2021	60Mins	09:00 Hours	W95 (SW)	33°C	58%	451	0.1	0.24	0.05	219	74	145
13/4/2021	60Mins	10:15 Hours	W92	31°C	60%	446	0.03	0.2	0.06	318	107	211
13/4/2021	60Mins	11:20 Hours	W01(SE)	30°C	62%	471	0.04	0.2	0.06	358	117	241
13/4/2021	60Mins	14:15 Hours	W83(NE)	30°C	67%	547	0.08	0.27	0.06	365	117	248
13/4/2021	60Mins	15:20 Hours	North boundary	30°C	65%	538	0.06	0.23	0.07	316	102	214
17/4/2021	60Mins	09:00 Hours	W95 (SW)	30°C	63%	433	0.03	0.29	0.06	162	56	106



ENVIRONMENTAL STATUS

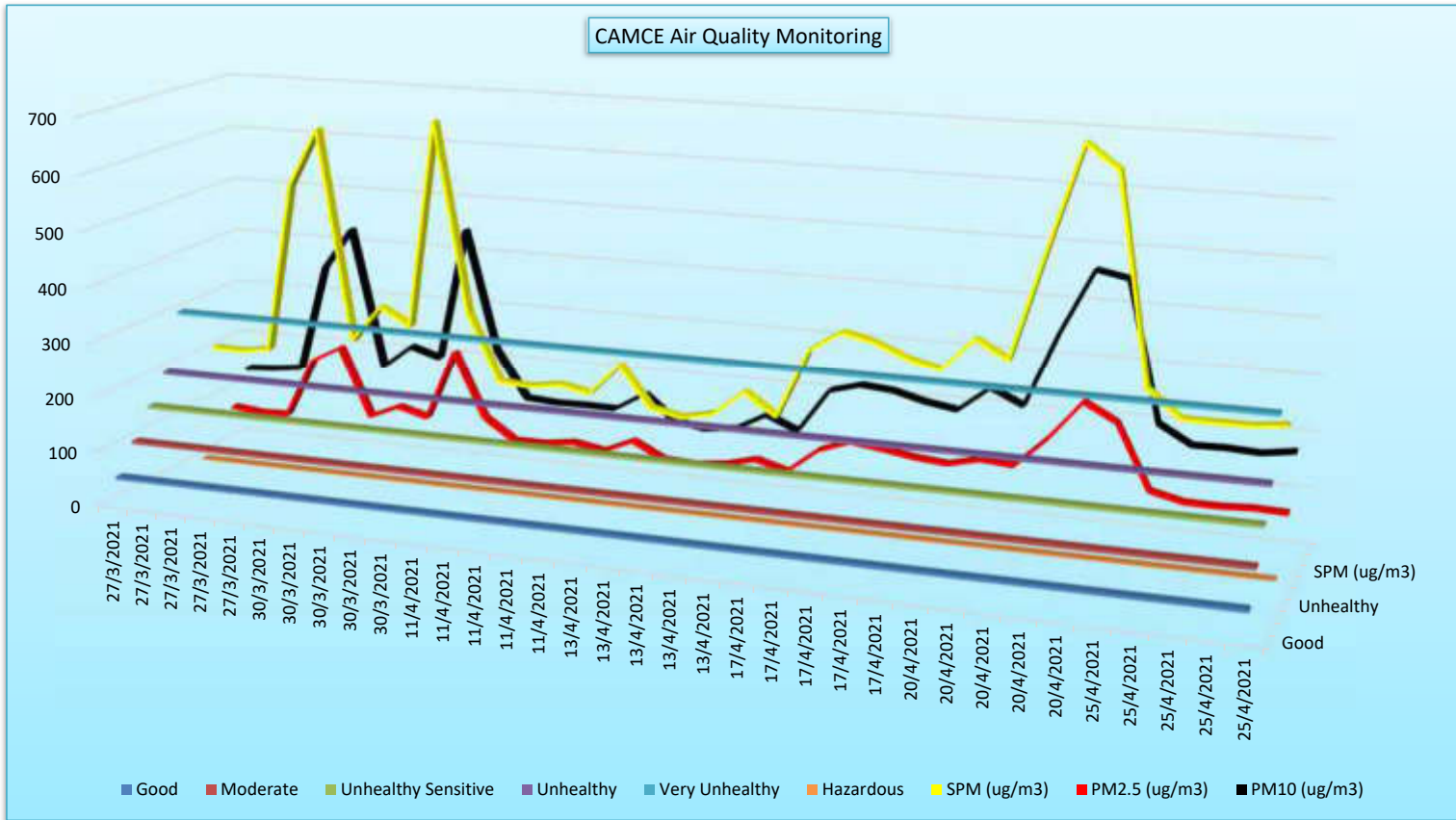
AIR QUALITY MONITORING - CAMCE

17/4/2021	60Mins	10:15 Hours	W92	30°C	65%	436	0.07	0.27	0.06	158	57	101
17/4/2021	60Mins	11:20 Hours	W01(SE)	30°C	64%	454	0.08	0.26	0.06	177	65	112
17/4/2021	60Mins	14:15 Hours	W83(NE)	29°C	61%	450	0.16	0.23	0.07	184	66	118
17/4/2021	60Mins	15:20 Hours	North boundary	29°C	61%	454	0.12	0.23	0.07	170	59	111
20/4/2021	60Mins	09:00 Hours	W95 (SW)	32°C	66%	449	0.01	0.25	0.06	411	136	275
20/4/2021	60Mins	10:15 Hours	W92	32°C	65%	510	0.02	0.23	0.07	301	102	199
20/4/2021	60Mins	11:20 Hours	W01(SE)	32°C	65%	482	0.02	0.23	0.07	264	88	176
20/4/2021	60Mins	14:15 Hours	W83(NE)	31°C	66%	514	0.03	0.23	0.07	437	138	209
20/4/2021	60Mins	15:20 Hours	North boundary	31°C	66%	486	0.04	0.23	0.07	545	177	368
25/4/2021	60Mins	09:00 Hours	W95 (SW)	35°C	46%	496	0.12	0.25	0.06	249	74	175
25/4/2021	60Mins	10:15 Hours	W92	36°C	47%	467	0.27	0.27	0.06	177	63	114
25/4/2021	60Mins	11:20 Hours	W01(SE)	35°C	47%	472	0.25	0.27	0.06	159	53	106
25/4/2021	60Mins	14:15 Hours	W83(NE)	35°C	45%	492	0.15	0.23	0.06	204	66	138
25/4/2021	60Mins	15:20 Hours	North boundary	35°C	45%	519	0.09	0.23	0.07	281	83	198

				<u>Name</u>	<u>Signature</u>				
Recorded By:				Anwar Hossain					
Checked By:				S M Faysal					



ENVIRONMENTAL STATUS AIR QUALITY MONITORING - CAMCE



- Graph showing the concentration of suspended particulate matter in the air at CAMCE's work areas on the project site
- SP_{2.5}, SPM₁₀, SPM



ENVIRONMENTAL STATUS AIR QUALITY MONITORING - CAMCE





ENVIRONMENTAL STATUS AIR QUALITY MONITORING

0 - 50	Good	Air quality is considered satisfactory, and air pollution poses little or no risk	None
51 -100	Moderate	Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.	Active children and adults, and people with respiratory disease, such as asthma, should limit prolonged outdoor exertion.
101-150	Unhealthy for Sensitive Groups	Members of sensitive groups may experience health effects. The general public is not likely to be affected.	Active children and adults, and people with respiratory disease, such as asthma, should limit prolonged outdoor exertion.
151-200	Unhealthy	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects	Active children and adults, and people with respiratory disease, such as asthma, should avoid prolonged outdoor exertion; everyone else, especially children, should limit prolonged outdoor exertion
201-300	Very Unhealthy	Health warnings of emergency conditions. The entire population is more likely to be affected.	Active children and adults, and people with respiratory disease, such as asthma, should avoid all outdoor exertion; everyone else, especially children, should limit outdoor exertion.
300+	Hazardous	Health alert: everyone may experience more serious health effects	Everyone should avoid all outdoor exertion





ENVIRONMENTAL STATUS DUST SUPPRESSION - CAMCE

Gandharbpur Water Treatment SNC SUEZ CITY VEOLIA A joint Venture of SUEZ INTERNATIONAL & CITYVEOLIA		DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWP)					M M MACDONALD DWASA		
DUST CONTROL RECORD									
S.N.	COMPANY	LOCATION OF DUST CONTROL	DIMENSION OF AREA CONTROLLED	DUST CONTROL RESPONSIBLE PERSON	START TIME	END TIME	SOURCE OF WATER FOR DUST CONTROL	AREA DUST STATUS	
1	CAMCE-20210325	Roads	06×450 M 06×650 M	Cao	06:30 AM 04:30 PM	07:30 AM 07:00 PM	Mixer Truck	Good condition	
2	CAMCE-20210326	Roads	06×450 M	Cao	08:00 AM	09:00 AM	Mixer Truck	Good condition	
3	CAMCE-20210327	Roads	06×650 M 06×250 M	Cao	06:30 AM 10:30 AM	08:00 AM 11:00 AM	Mixer Truck Pay Loader	Good condition	
4	CAMCE-20210328	Roads	06×350 M	Cao	08:30 AM	09:30 AM	Mixer Truck	Normal	
5	CAMCE-20210329	Roads	06×650 M 06×700 M	Cao	07:00 AM 02:00 PM	08:20 AM 03:00 PM	Mixer Truck	Good condition	
6	CAMCE-20210330	Roads	06×750 M	Cao	07:30 AM	08:40 AM	Mixer Truck	Good condition	
7	CAMCE-20210331	BP Open yard & Roads	20×100 M 06×650 M	Yang / Cao	06:00 AM 08:00 AM	08:00 AM 09:30 AM	Deep Tube-well Mixer Truck	Good condition	
8	CAMCE-20210408	Roads	06×800 M	Cao	12:30 PM	01:30 PM	Mixer Truck	Good condition	
9	CAMCE-20210409	Roads	06×650 M	Cao	06:30 AM	07:30 AM	Mixer Truck	Good condition	
10	CAMCE-20210410	Roads	06×450 M	Cao	07:00 AM	08:00 AM	Mixer Truck	Good condition	
11	CAMCE-20210411	BP Open yard & Roads	10×80 M 06×450 M 06×350 M	Yang / Cao	10:00 AM 08:30 AM	10:30 AM 09:20 AM	Deep Tube-well Mixer Truck	Good condition	
12	CAMCE-20210412	Roads	06×800 M 06×650 M	Cao	08:00 AM 12:30 PM	09:30 AM 01:30 PM	Mixer Truck	Good condition	
13	CAMCE-20210413	Roads	06×750 M	Cao	04:00 PM	05:30 PM	Mixer Truck	Normal	
14	CAMCE-20210414	Roads	06×650 M	Cao	04:00 PM	05:30 PM	Mixer Truck	Normal	

Recorded By: Anwar Hossain
Designation: CAMCE HSE Engineer

Signature:
Date: 14-Apr-2021

ENVIRONMENTAL STATUS DUST SUPPRESSION - CAMCE

Gandharbpur Water Treatment SNC  A Joint Venture of SUEZ INTERNATIONAL & CITY-VEOLIA		DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)					 B-001464-CMC-EN-GWT-RP-3002 Date: 20-Jul-2020 Rev: 006 (ADD)		
		DUST CONTROL RECORD							
S.N.	COMPANY	LOCATION OF DUST CONTROL	DIMENSION OF AREA CONTROLLED	DUST CONTROL RESPONSIBLE PERSON	START TIME	END TIME	SOURCE OF WATER FOR DUST CONTROL	AREA DUST STATUS	
1	CAMCE-20210415	Roads	06×450 M	Cao	04:10 PM	05:20 PM	Mixer Truck	Normal	
2	CAMCE-20210416	Roads	06×650 M	Cao	09:00 AM	10:00 AM	Mixer Truck	Normal	
3	CAMCE-20210417	Overalls	Overalls	N/A	03:10 AM	05:30 AM	Natural Rainfall	Good condition	
4	CAMCE-20210418	Roads	06×300 M 06×650 M	Cao	10:00 AM 12:30 PM	11:00 AM 01:30 PM	Deep Tube-well Mixer Truck	Good condition	
5	CAMCE-20210419	Roads	06×650 M	Cao	08:00 AM	09:00 AM	Mixer Truck	Good condition	
6	CAMCE-20210420	BP Open yard & Roads	10×100 M 06×750 M	Yang / Cao	09:00 AM 01:00 PM	10:00 AM 02:30 PM	Deep Tube-well Mixer Truck	Good condition	
7	CAMCE-20210421	BP Open yard & Roads	10×80 M 06×450 M	Yang / Cao	08:00 AM 08:00 AM	09:30 AM 09:00 AM	Deep Tube-well Mixer Truck	Good condition	
8	CAMCE-20210422	Roads	06×350 M 06×650 M	Cao	09:30 AM 02:30 PM	10:00 AM 03:30 PM	Mixer Truck	Good condition	
9	CAMCE-20210423	Roads	06×650 M	Cao	08:10 AM	09:00 AM	Mixer Truck	Good condition	
10	CAMCE-20210424	BP Open yard & Roads	10×120 M 06×750 M	Yang / Cao	09:00 AM 12:30 PM	10:30 AM 01:30 PM	Deep Tube-well Mixer Truck	Good condition	
11	CAMCE-20210425	Roads	06×500 M 06×350 M	Cao	08:00 AM 05:00 PM	09:30 AM 05:30 PM	Deep Tube-well Mixer Truck	Good condition	

Recorded By: Anwar HossainDesignation: CAMCE HSE EngineerSignature: Date: 25-Apr-2021





ENVIRONMENTAL STATUS DUST SUPPRESSION - WTP



ENVIRONMENTAL STATUS

DUST SUPPRESSION – GWT-INTAKE

Gandharbpur Water Treatment SNC SURE CITY VEOLIA A Joint Venture of SUEZ INTERNATIONAL & OY VEOLIA		DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)					 	
		DUST CONTROL RECORD						
S.N.	COMPANY	LOCATION OF DUST CONTROL	DIMENSION OF AREA CONTROLLED	DUST CONTROL RESPONSIBLE PERSON	START TIME	END TIME	SOURCE OF WATER FOR DUST CONTROL	AREA DUST STATUS
1	GWT Sheet Pile	I-20 area	I-20 area	Faruk Khan	07:00	9:00	Ground Water	Controlled
2	GWT Sheet Pile	I-20 area	I-20 area	Dulal Sheikh	07:30	10:00	Ground Water	Controlled
3	GWT Sheet Pile	I-20 area	I-20 area	Dulal Sheikh	11:00	13:00	Ground Water	Controlled
4	GWT Sheet Pile	I-20 area	I-20 area	Faruk Khan	09:00	10:30	Ground Water	Controlled
5	GWT Sheet Pile	I-20 area	I-20 area	Faruk Khan	15:00	17:00	Ground Water	Controlled
6	GWT Sheet Pile	I-15 area	I-15 area	Faruk Khan	15:00	16:30	Ground Water	Controlled
7	GWT Sheet Pile	I-20 area	I-20 area	Faruk Khan	8:00	10:00	Ground Water	Controlled
8	GWT Sheet Pile	I-20 area	I-20 area	Dulal Sheikh	06:30	9:00	Ground Water	Controlled
9	GWT Sheet Pile	I-20 area	I-20 area	Dulal Sheikh	08:00	10:00	Ground Water	Controlled
10	GWT Sheet Pile	I-20 area	I-20 area	Dulal Sheikh	16:00	17:40	Ground Water	Controlled
11	GWT Sheet Pile	I-20 area	I-20 area	Faruk Khan	12:00	14:00	Ground Water	Controlled
12	GWT Sheet Pile	I-20 area	I-20 area	Faruk Khan	11:00	13:00	Ground Water	Controlled
13	GWT Sheet Pile	I-20 area	I-15 area	Faruk Khan	20:00	22:00	Ground Water	Controlled
14	GWT Sheet Pile	I-20 area	I-20 area	Dulal Sheikh	14:00	16:00	Ground Water	Controlled

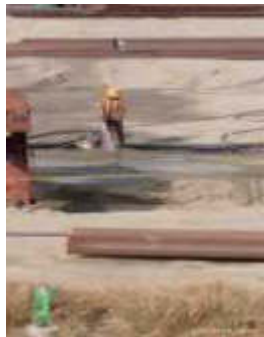
Recorded By _____ Shek Omar Faruq _____

Signature: _____

Designation _____ HSE Officer _____

Date _____ 23/04/2021 _____

ENVIRONMENTAL STATUS DUST SUPPRESSION – GWT-INTAKE



ENVIRONMENTAL STATUS

DUST SUPPRESSION – GWT- RWP

Gandharbpur Water Treatment SNC A Joint Venture of SUEZ INTERNATIONAL & OTV-VEOLIA		DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)						
		DUST CONTROL RECORD							B-001464-ARD-EN-GWT-RP-5002
S.N.	COMPANY	LOCATION OF DUST CONTROL	DIMENSION OF AREA CONTROLLED	DUST CONTROL RESPONSIBLE PERSON	START TIME	END TIME	SOURCE OF WATER FOR DUST CONTROL	AREA DUST STATUS
1	ARIDOD	Intake	70 Meter	Engr. Harish Chandra Sarker (Project Engineer)	10:00 AM	11:00 AM	Deep Well	OK
2	ARIDOD	Uchitpura	1 Kilometer	Engr. Resel Bepary (Site Engineer)	7:30 AM	8:00 AM	Local Source	OK
3	ARIDOD	Intake	60 Meter	Engr. Harish Chandra Sarker (Project Engineer)	11:40 AM	12:50 PM	Local Source	OK
4	ARIDOD	Uchitpura	0.7 Kilometer	Engr. Resel Bepary (Site Engineer)	9:30 AM	10:00 AM	Local Source	OK
5	ARIDOD	Intake	100 Meter	Engr. Harish Chandra Sarker (Project Engineer)	11:00 AM	11:30 AM	Local Source	OK
6	ARIDOD	Uchitpura	100 Meter	Engr. Resel Bepary (Site Engineer)	8:00 AM	8:30 AM	Local Source	OK
7								

Recorded By - **Summit Sayem**Designation - **Lead HSE Representative**

Signature _____

Date - 25-Apr-2021

ENVIRONMENTAL STATUS DUST SUPPRESSION – GWT- RWP





ENVIRONMENTAL STATUS

NOISE MONITORING - CAMCE

Gandharbpur Water Treatment SNC <small>A Joint Venture of SUREZ INTERNATIONAL & OTV-VEOLIA</small>		DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)						 <small>M M M</small>	
		NOISE MONITORING RECORD						 <small>M M M</small>	
Conditions Summary									
Date	Wind speed (MPH)	Wind Direction	Temperature	Humidity	Cloud Coverage				
31/03/2021	23 km/h	N/A	27°C - 37°C	64%	Haze				
Equipment Summary									
Sound level Meter: Make / Model		Sound level Meter: Serial Number		Calibrator: Model Number		Calibrator: Serial Number			
Digital SOUND Level Meter									
Monitoring Summary									
Date	Monitoring Number	Monitoring Duration	Time	Location	LA10	LA90	L _{Aeq}	L _{AMax}	L _{AMin}
31/3/2021	1	60 sec.	9:10 AM	Batching Plant area	N/A	N/A	73	75	71
	2	60 sec.	9:19 AM	CAMCE construction team camp	N/A	N/A	62	65	58
31/3/2021	3	60 sec.	9:28 AM	North Gate	N/A	N/A	67	68	65
	4	60 sec.	9:36 AM	North East Fence	N/A	N/A	65	66	63
31/3/2021	5	60 sec.	9:41 AM	Reinforcement shop	N/A	N/A	76	79	71
	6	60 sec.	9:51 AM	East Middle Fence	N/A	N/A	75	77	74
31/3/2021	7	60 sec.	10:18 AM	W40, A7 Concrete work area	N/A	N/A	81	83	78
	8	60 sec.	10:31 AM	Contractor Facility Camp	N/A	N/A	68	70	65
31/3/2021	9	60 sec.	10:40 AM	Main Gate	N/A	N/A	75	78	73
	10	60 sec.	11:19 AM	CAMCE Office Complex	N/A	N/A	67	70	64
14/4/2021	11	60 sec.	8:29 AM	Contractor Facility Camp	N/A	N/A	67	69	65
	12	60 sec.	8:34 AM	Main Gate	N/A	N/A	74	75	72
14/4/2021	13	60 sec.	8:47 AM	W40, D5 Rebar work area	N/A	N/A	70	72	66
	14	60 sec.	9:03 AM	East Middle Fence	N/A	N/A	75	77	72
14/4/2021	15	60 sec.	9:10 AM	Reinforcement shop	N/A	N/A	78	82	75
	16	60 sec.	9:19 AM	North East Fence	N/A	N/A	63	65	61
14/4/2021	17	60 sec.	9:26 AM	North Gate	N/A	N/A	66	68	65
	18	60 sec.	9:33 AM	CAMCE construction team camp	N/A	N/A	61	63	58
14/4/2021	19	60 sec.	9:44 AM	Batching Plant area	N/A	N/A	68	71	65
	20	60 sec.	10:12 AM	CAMCE Office Complex	N/A	N/A	65	66	63
Recorded By:	Name Anwar Hossain		Designation CAMCE HSE Engineer		Signature 		Date 14-Apr-2021		
Checked By:	S M Faysal		CAMCE Deputy HSE Manager		Signature 		Date 14-Apr-2021		

ENVIRONMENTAL STATUS NOISE MONITORING - CAMCE



ENVIRONMENTAL STATUS

NON-HAZARDOUS WASTE DISPOSAL – CAMCE

Gandharbpur Water Treatment SNC SUEZ CITY VEOLIA A Joint Venture of SUEZ INTERNATIONAL & OTV-VEOLIA		DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)						 B-001464-CMC-EN-GWT-PP-5004 Date: 20-Jul-2020 Rev: 006 (ADD)		
CONSTRUCTION WASTE DISPOSAL RECORD										
S.N.	COMPANY	DATE OF ISSUE	WASTE COLLECTED FROM	MANIFEST NO.	VEHICLE NO.	WASTE TYPE	DESCRIPTION OF WASTE	QUANTITY		WASTE DISPOSAL LOCATION
								KG	L	
1	Abdullah Trade International	26-Mar-21	Site bin's	N/A	GT - 04	General Const. waste	Wood, P.Bottle, Paper Box Etc.	170.000	0	Municipality designated zone
2	Abdullah Trade International	28-Mar-21	Reinforcement Shop Scrap bay	N/A	Dhaka - Metto Da- 113505	General Const. waste	Offcut Rebar	7700.000	0	Municipality designated zone
3	Abdullah Trade International	29-Mar-21	Reinforcement Shop Scrap Bay / Scrap Bin	N/A	Dhaka - Metto Da- 113505	General Const. waste	Offcut Rebar, Offcut wire, Others metal scrap	9300.000	0	Municipality designated zone
4	Abdullah Trade International	10-Apr-21	Site bin's	N/A	GT - 04	General Const. waste	Wood, Paper Box , cement bag Etc.	100.000	0	Municipality designated zone
5	Abdullah Trade International	13-Apr-21	Site bin's	N/A	GT - 04	General Const. waste	Wood, Paper Box, Etc.	80.000	0	Municipality designated zone
7	Abdullah Trade International	18-Apr-21	Site bin's	N/A	GT - 07	General Const. waste	Wood, Paper Box, Jute sack Etc.	120.000	0	Municipality designated zone
8	Abdullah Trade International	25-Apr-21	Site bin's	N/A	GT - 04	General Const. waste	Wood, Paper Box, Etc.	70.000	0	Municipality designated zone
TOTAL KG/L								17170	0	
Recorded By: <u>Anwar Hossain</u>						Signature: <u></u>				
Designation: <u>CAMCE HSE Engineer</u>						Date: <u>25-Apr-2021</u>				



ENVIRONMENTAL STATUS

NON-HAZARDOUS WASTE DISPOSAL – CAMCE

S.N.		COMPANY	DATE OF ISSUE	WASTE COLLECTED FROM	MANIFEST NO.	VEHICLE NO.	WASTE TYPE	DESCRIPTION OF WASTE	QUANTITY		WASTE DISPOSAL LOCATION	STATUS
									KG	L		
<p style="text-align: center;">DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)</p> <p style="text-align: center;">NON-HAZARDOUS WASTE DISPOSAL RECORD</p>												
<p style="text-align: center;"> </p>												
<p style="text-align: right;"> </p>												
<p style="text-align: right;"> BI-001464-CMC-EN-GWT-RP-5006 Date: 20-Jul-2020 Rev: 000 (ADD) </p>												
1	Abdullah Trade International	26 March 2021	Dormitory Bin's	N/A	GT -04	Food waste	General food waste	130.000	0	Municipality designated zone		
2	Abdullah Trade International	27 March 2021	Dormitory Bin's	N/A	GT -04	Food waste	General food waste	110.000	0	Municipality designated zone		
3	Abdullah Trade International	28 March 2021	Dormitory Bin's	N/A	GT -04	Food waste	General food waste	120.000	0	Municipality designated zone		
4	Abdullah Trade International	29 March 2021	Dormitory Bin's	N/A	GT -04	Food waste	General food waste	100.000	0	Municipality designated zone		
5	Abdullah Trade International	30 March 2021	Dormitory Bin's	N/A	GT -04	Food waste	General food waste	110.000	0	Municipality designated zone		
6	Abdullah Trade International	31 March 2021	Dormitory Bin's	N/A	GT -04	Food waste	General food waste	100.000	0	Municipality designated zone		
7	Abdullah Trade International	8 April 2021	Dormitory Bin's	N/A	GT -04	Food waste	General food waste	120.000	0	Municipality designated zone		
8	Abdullah Trade International	9 April 2021	Dormitory Bin's	N/A	GT -04	Food waste	General food waste	110.000	0	Municipality designated zone		
9	Abdullah Trade International	10 April 2021	Dormitory Bin's	N/A	GT -04	Food waste	General food waste	120.000	0	Municipality designated zone		
10	Abdullah Trade International	11 April 2021	Dormitory Bin's	N/A	GT -04	Food waste	General food waste	110.000	0	Municipality designated zone		
11	Abdullah Trade International	12 April 2021	Dormitory Bin's	N/A	GT -04	Food waste	General food waste	130.000	0	Municipality designated zone		
12	Abdullah Trade International	13 April 2021	Dormitory Bin's	N/A	GT -04	Food waste	General food waste	140.000	0	Municipality designated zone		
13	Abdullah Trade International	14 April 2021	Dormitory Bin's	N/A	GT -04	Food waste	General food waste	120.000	0	Municipality designated zone		
TOTAL KG/L								1520.00	0			

Recorded By : Md. Anwar Hossain

Designation: CAMCE HSE Engineer

Signature :

Date :

14/Apr/2021



ENVIRONMENTAL STATUS

NON-HAZARDOUS WASTE DISPOSAL – CAMCE

S.N.		COMPANY	DATE OF ISSUE	WASTE COLLECTED FROM	MANIFEST NO.	VEHICLE NO.	WASTE TYPE	DESCRIPTION OF WASTE	QUANTITY		WASTE DISPOSAL LOCATION	STATUS
									KG	L		
<p style="text-align: center;">DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)</p> <p style="text-align: center;">NON-HAZARDOUS WASTE DISPOSAL RECORD</p>												
<p>Gandharbpur Water Treatment SNC A Joint Venture of SUEZ INTERNATIONAL & OTV-VEOLIA</p>												
										B-001464-CMC-EN-GWT-RP-S005		
										Date: 20-Jul-2020		
										Rev 006 (A00)		
1	Abdullah Trade International	15 April 2021	Dormitory Bin's	N/A	GT -07	Food waste	General food waste	130.000	0	Municipality designated zone		
2	Abdullah Trade International	16 April 2021	Dormitory Bin's	N/A	GT -07	Food waste	General food waste	100.000	0	Municipality designated zone		
3	Abdullah Trade International	17 April 2021	Dormitory Bin's	N/A	GT -07	Food waste	General food waste	140.000	0	Municipality designated zone		
4	Abdullah Trade International	18 April 2021	Dormitory Bin's	N/A	GT -07	Food waste	General food waste	120.000	0	Municipality designated zone		
5	Abdullah Trade International	19 April 2021	Dormitory Bin's	N/A	GT -07	Food waste	General food waste	110.000	0	Municipality designated zone		
6	Abdullah Trade International	20 April 2021	Dormitory Bin's	N/A	GT -07	Food waste	General food waste	130.000	0	Municipality designated zone		
7	Abdullah Trade International	21 April 2021	Dormitory Bin's	N/A	GT -07	Food waste	General food waste	110.000	0	Municipality designated zone		
8	Abdullah Trade International	22 April 2021	Dormitory Bin's	N/A	GT -04	Food waste	General food waste	140.000	0	Municipality designated zone		
9	Abdullah Trade International	23 April 2021	Dormitory Bin's	N/A	GT -04	Food waste	General food waste	120.000	0	Municipality designated zone		
10	Abdullah Trade International	24 April 2021	Dormitory Bin's	N/A	GT -04	Food waste	General food waste	130.000	0	Municipality designated zone		
11	Abdullah Trade International	25 April 2021	Dormitory Bin's	N/A	GT -04	Food waste	General food waste	110.000	0	Municipality designated zone		
TOTAL KG/L								1340.00	0			

Recorded By : Md. Anwar Hossain

Designation: CAMCE HSE Engineer

Signature :

Date :

25/Apr/2021

ENVIRONMENTAL STATUS

NON-HAZARDOUS WASTE DISPOSAL – CAMCE

 Gandharbpur Water Treatment SNC A Joint Venture of SUEZ INTERNATIONAL & CITY-VEOLIA		DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)							 MOTT MACDONALD DWASA		
		NON-HAZARDOUS WASTE DISPOSAL RECORD							B-001464-CMC-EN-GWT-RP-5006 Date: 20-Jul-2020 Rev 006 (A00)		
S.N.	COMPANY	DATE OF ISSUE	WASTE COLLECTED FROM	MANIFEST NO.	VEHICLE NO.	WASTE TYPE	DESCRIPTION OF WASTE	QUANTITY		WASTE DISPOSAL LOCATION	STATUS
								KG	L		
1	Abdullah Trade International	10 April 2021	Site Bin's	N/A	GT -04	plastic waste	Water Bottles, polythene	50.000	0	Municipality designated zone	
2	Abdullah Trade International	13 April 2021	Site Bin's	N/A	GT -04	plastic waste	Water Bottles, polythene	30.000	0	Municipality designated zone	
3	Abdullah Trade International	18 April 2021	Site Bin's	N/A	GT -07	plastic waste	Water Bottles, polythene.	70.000	0	Municipality designated zone	
TOTAL KG/L								150.00	0		

Recorded By : Md. Anwar Hossain

Designation: CAMCE HSE Engineer

Signature :

Date :

18/Apr/2021



ENVIRONMENTAL STATUS

NON-HAZARDOUS WASTE DISPOSAL – GWT INTAKE SITE

Gandharbpur Water Treatment SNC SURE CITY VEDUA <small>A joint venture of SURE INTERNATIONAL & DTV-VEDUA</small>		DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)							 <small>B-001-004-GWT-EN-GWT-RP-0004 Date: 20-Jul-2020 Rev 006 (ADD)</small>	
NON-HAZARDOUS WASTE DISPOSAL RECORD										
S.N.	COMPANY	DATE OF ISSUE	WASTE COLLECTED FROM	MANIFEST NO.	VEHICLE NO.	WASTE TYPE	DESCRIPTION OF WASTE	QUANTITY		WASTE DISPOSAL LOCATION
								KG	L	
1	GWT Sheet Pile	3-Apr-21	I-20	1050	NA	Paper & Plastic	Paper & Plastic	3.000	0	Municipality Designated Area
2	GWT Sheet Pile	4-Apr-21	I-20	1051	NA	Paper & Plastic	Paper & Plastic	2.000	0	Municipality Designated Area
3	GWT Sheet Pile	5-Apr-21	I-20	1052	NA	Paper & Plastic	Paper & Plastic	5.000	0	Municipality Designated Area
4	GWT Sheet Pile	6-Apr-21	I-20	1053	NA	Paper & Plastic	Paper & Plastic	3.000	0	Municipality Designated Area
5	GWT Sheet Pile	7-Apr-21	I-20	1054	NA	Paper & Plastic	Paper & Plastic	3.000	0	Municipality Designated Area
6	GWT Sheet Pile	8-Apr-21	I-20	1055	NA	Paper & Plastic	Paper & Plastic	2.000	0	Municipality Designated Area
7	GWT Sheet Pile	9-Apr-21	I-20	1056	NA	Paper & Plastic	Paper & Plastic	5.000	0	Municipality Designated Area
8	GWT Sheet Pile	10-Apr-21	I-20	1057	NA	Paper & Plastic	Paper & Plastic	6.000	0	Municipality Designated Area
9	GWT Sheet Pile	11-Apr-21	I-20	1058	NA	Paper & Plastic	Paper & Plastic	3.000	0	Municipality Designated Area
10	GWT Sheet Pile	12-Apr-21	I-20	1059	NA	Paper & Plastic	Paper & Plastic	7.000	0	Municipality Designated Area
11	GWT Sheet Pile	13-Apr-21	I-20	1060	NA	Paper & Plastic	Paper & Plastic	6.000	0	Municipality Designated Area
12	GWT Sheet Pile	14-Apr-21	I-20	1061	NA	Paper & Plastic	Paper & Plastic	3.000	0	Municipality Designated Area
13	GWT Sheet Pile	15-Apr-21	I-20	1062	NA	Paper & Plastic	Paper & Plastic	3.000	0	Municipality Designated Area
14	GWT Sheet Pile	16-Apr-21	I-20	1063	NA	Paper & Plastic	Paper & Plastic	4.000	0	Municipality Designated Area
TOTAL KG/L								55.00	0	

Recorded By _____ Sheik Omar Faruq _____


Designation _____ HSE Officer _____

Signature _____

Date _____ 16/04/2021 _____

ENVIRONMENTAL STATUS

NON-HAZARDOUS WASTE DISPOSAL – GWT INTAKE SITE

Gandharbpur Water Treatment SNC SUEZ OTV VEOLIA A Joint Venture of SUEZ INTERNATIONAL & OTV-VEOLIA		DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)						 B-001464-GWT-EN-GWT-RP-5004 Date: 20 Jul 2020 Rev 006 (AGG)		
NON-HAZARDOUS WASTE DISPOSAL RECORD										
S.N.	COMPANY	DATE OF ISSUE	WASTE COLLECTED FROM	MANIFEST NO.	VEHICLE NO.	WASTE TYPE	DESCRIPTION OF WASTE	QUANTITY		WASTE DISPOSAL LOCATION
								KG	L	
1	GWT Sheet Pile	17-Apr-21	I-20	1064	NA	Paper & Plastic	Paper & Plastic	5.000	0	Municipality Designated Area
2	GWT Sheet Pile	18-Apr-21	I-20	1065	NA	Paper & Plastic	Paper & Plastic	8.000	0	Municipality Designated Area
3	GWT Sheet Pile	19-Apr-21	I-20	1066	NA	Paper & Plastic	Paper & Plastic	6.000	0	Municipality Designated Area
4	GWT Sheet Pile	20-Apr-21	I-20	1067	NA	Paper & Plastic	Paper & Plastic	3.000	0	Municipality Designated Area
5	GWT Sheet Pile	21-Apr-21	I-20	1068	NA	Paper & Plastic	Paper & Plastic	7.000	0	Municipality Designated Area
6	GWT Sheet Pile	22-Apr-21	I-20	1069	NA	Paper & Plastic	Paper & Plastic	5.000	0	Municipality Designated Area
7	GWT Sheet Pile	23-Apr-21	I-20	1070	NA	Paper & Plastic	Paper & Plastic	6.000	0	Municipality Designated Area
8										
TOTAL KG/L								40.00	0	

Recorded By _____ Shek Omar Faruq _____

Designation _____ HSE Officer _____

Signature



Date _____ 23/04/2021 _____

ENVIRONMENTAL STATUS

NON-HAZARDOUS WASTE DISPOSAL – GWT INTAKE SITE

S.N.		COMPANY	DATE OF ISSUE	WASTE COLLECTED FROM	MANIFEST NO.	VEHICLE NO.	WASTE TYPE	DESCRIPTION OF WASTE	QUANTITY		WASTE DISPOSAL LOCATION
									KG	L	
1		GWT Sheet Pile	3-Apr-21	I-20	1050	NA	Food Waste	Food Waste	1.000	0	Municipality Designated Area
2		GWT Sheet Pile	4-Apr-21	I-20	1051	NA	Food Waste	Food Waste	1.000	0	Municipality Designated Area
3		GWT Sheet Pile	5-Apr-21	I-20	1052	NA	Food Waste	Food Waste	1.000	0	Municipality Designated Area
4		GWT Sheet Pile	6-Apr-21	I-20	1053	NA	Food Waste	Food Waste	1.000	0	Municipality Designated Area
5		GWT Sheet Pile	7-Apr-21	I-20	1054	NA	Food Waste	Food Waste	2.000	0	Municipality Designated Area
6		GWT Sheet Pile	8-Apr-21	I-20	1055	NA	Food Waste	Food Waste	3.000	0	Municipality Designated Area
7		GWT Sheet Pile	9-Apr-21	I-20	1056	NA	Food Waste	Food Waste	2.000	0	Municipality Designated Area
8		GWT Sheet Pile	10-Apr-21	I-20	1057	NA	Food Waste	Food Waste	2.000	0	Municipality Designated Area
9		GWT Sheet Pile	11-Apr-21	I-20	1058	NA	Food Waste	Food Waste	1.000	0	Municipality Designated Area
10		GWT Sheet Pile	12-Apr-21	I-20	1059	NA	Food Waste	Food Waste	2.000	0	Municipality Designated Area
11		GWT Sheet Pile	13-Apr-21	I-20	1060	NA	Food Waste	Food Waste	1.000	0	Municipality Designated Area
		GWT Sheet Pile	14-Apr-21	I-20	1061	NA	Food Waste	Food Waste	1.000	0	Municipality Designated Area
		GWT Sheet Pile	15-Apr-21	I-20	1062	NA	Food Waste	Food Waste	1.000	0	Municipality Designated Area
		GWT Sheet Pile	16-Apr-21	I-20	1063	NA	Food Waste	Food Waste	1.000	0	Municipality Designated Area
TOTAL KG/L									20.00	0	

Recorded By _____ Shek Omar Faruq _____

Designation _____ HSE Officer _____

Signature _____

Date _____ 16/04/2021 _____



ENVIRONMENTAL STATUS

NON-HAZARDOUS WASTE DISPOSAL – GWT INTAKE SITE

Gandharbpur Water Treatment SNC A Joint Venture of SUEZ INTERNATIONAL & OTV-VEOLIA		DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWP)								
NON-HAZARDOUS WASTE DISPOSAL RECORD						B-001464-GWT-EN-GWT-RP-5004				
						Date: 20-Jul-2020				
						Rev 006 (A00)				
S.N.	COMPANY	DATE OF ISSUE	WASTE COLLECTED FROM	MANIFEST NO.	VEHICLE NO.	WASTE TYPE	DESCRIPTION OF WASTE	QUANTITY		WASTE DISPOSAL LOCATION
								KG	L	
1	GWT Sheet Pile	17-Apr-21	I-20	1064	NA	Food Waste	Food Waste	1.000	0	Municipality Designated Area
2	GWT Sheet Pile	18-Apr-21	I-20	1065	NA	Food Waste	Food Waste	1.000	0	Municipality Designated Area
3	GWT Sheet Pile	19-Apr-21	I-20	1066	NA	Food Waste	Food Waste	1.000	0	Municipality Designated Area
4	GWT Sheet Pile	20-Apr-21	I-20	1067	NA	Food Waste	Food Waste	2.000	0	Municipality Designated Area
5	GWT Sheet Pile	21-Apr-21	I-20	1068	NA	Food Waste	Food Waste	1.000	0	Municipality Designated Area
6	GWT Sheet Pile	22-Apr-21	I-20	1069	NA	Food Waste	Food Waste	3.000	0	Municipality Designated Area
7	GWT Sheet Pile	23-Apr-21	I-20	1070	NA	Food Waste	Food Waste	2.000	0	Municipality Designated Area
TOTAL KG/L								11.00	0	

Recorded By _____ Shek Omar Faruq _____

Designation _____ HSE Officer _____

Signature _____

Date _____ 23/04/2021 _____

ENVIRONMENTAL STATUS

NON-HAZARDOUS WASTE DISPOSAL – GWT INTAKE SITE

Gandharbpur Water Treatment SNC A Joint Venture of SUEZ INTERNATIONAL & OTV-VEOLIA		DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)						 B-001464-GWT-EN-GWT-RP-5004		
		HAZARDOUS WASTE DISPOSAL RECORD						Date: 20-Jul-2020		
						Rev 006 (A00)				
S.N.	COMPANY	DATE OF ISSUE	WASTE COLLECTED FROM	MANIFEST NO.	VEHICLE NO.	WASTE TYPE	DESCRIPTION OF WASTE	QUANTITY		WASTE DISPOSAL LOCATION
								KG	L	
1	Line n Shape	3-Apr-21	I-20	GSS-Hz-001	NA	Oil & Lubricant	Waste engine oil	0.000	21	Municipality Designated Area
2	Line n Shape	11-Apr-21	I-20	GSS-Hz-002	NA	Oil & Lubricant	Waste engine oil	0.000	18	Municipality Designated Area
3	Line n Shape	22-Apr-21	I-20	GSS-Hz-003	NA	Oil & Lubricant	Waste engine oil	0.000	26	Municipality Designated Area
5										
6										
TOTAL KG/L								0.00	65	

Recorded By _____ Shek Omar Faruq _____

Designation _____ HSE Officer _____

Signature _____

Date _____ 23/04/2021 _____



ENVIRONMENTAL STATUS NON-HAZARDOUS WASTE MANIFEST – GWT INTAKE SITE

M/s. Jahangir Alam Traders (Waste Disposal Contractor) Chaiton Kanda, Bishnondi, Asaihar, Narayanganj.				
Manifest No: GSS...1057		Date: 10/04/21		
Non Hazardous Waste Disposal Manifest	Generator Company & Address <i>Line n Shape</i>	Contact Number: <i>01886-592864</i>		
Facility Site Address	<i>Intake (I-20 Area)</i>			
Collected Waste Record				
Sl.	Waste Description	Quantity		
		KG	L	Total
1.	<i>Food waste</i>	<i>2.000</i>	<i>0</i>	<i>2.000</i>
2.	<i>Paper & Plastic</i>	<i>6.000</i>	<i>0</i>	<i>6.000</i>
Special Handling Instruction:				
I hereby declare that above information is accurate and transporting as per GWT intake site regulation				
Incharge, Signature & Date		Generator Company Incharge Sign & Date:		
<i>Sk. Omar Faruq</i>		<i>MD. JOHANNA ALAM</i>		

M/s. Jahangir Alam Traders (Waste Disposal Contractor) Chaiton Kanda, Bishnondi, Asaihar, Narayanganj.				
Manifest No: GSS...1070		Date: 23/04/21		
Non Hazardous Waste Disposal Manifest	Generator Company & Address <i>Line n Shape</i>	Contact Number: <i>01886-592864</i>		
Facility Site Address	<i>Intake (I-20 Area)</i>			
Collected Waste Record				
Sl.	Waste Description	Quantity		
		KG	L	Total
1.	<i>Food waste</i>	<i>2.000</i>	<i>0</i>	<i>2.000</i>
2.	<i>Paper & Plastic</i>	<i>6.000</i>	<i>0</i>	<i>6.000</i>
Special Handling Instruction:				
I hereby declare that above information is accurate and transporting as per GWT intake site regulation				
Incharge, Signature & Date		Generator Company Incharge Sign & Date:		
<i>Sk. Omar Faruq</i>		<i>MD. JOHANNA ALAM</i>		



ENVIRONMENTAL STATUS HAZARDOUS WASTE MANIFEST – GWT INTAKE SITE

M/s. Jahangir Alam Traders (Waste Disposal Contractor) Chaiton Kanda, Bishnondi, Arahazar, Narayanganj.				
Manifest No: GSS: <u>HZ-001</u>		Date: <u>03 April 21</u>		
Non Hazardous Waste Disposal Manifest	Generator Company & Address <u>Line n Shape</u>	Contact Number: <u>01886592864</u>		
Facility Site Address <u>Intake (I-20 Area)</u>				
Collected Waste Record				
Sl.	Waste Description	Quantity		
		KG	L	Total
1.	<u>Waste engine oil</u>	<u>0.000</u>	<u>21</u>	<u>21.000</u>
Special Handling Instruction:				
I hereby declare that above information is accurate and transporting as per GWT intake site regulation				
Incharge, Signature & Date <u>Sk. Omar Faruq</u> <u>03/04/21</u>		Generator Company Incharge Sign & Date: <u>MO. JAHANGIR ALAM</u>		

M/s. Jahangir Alam Traders (Waste Disposal Contractor) Chaiton Kanda, Bishnondi, Arahazar, Narayanganj.				
Manifest No: GSS: <u>HZ-003</u>		Date: <u>22 April 21</u>		
Non Hazardous Waste Disposal Manifest	Generator Company & Address <u>Line n Shape</u>	Contact Number: <u>01886592864</u>		
Facility Site Address <u>Intake (I-20 Area)</u>				
Collected Waste Record				
Sl.	Waste Description	Quantity		
		KG	L	Total
1.	<u>Waste engine oil</u>	<u>0.000</u>	<u>26</u>	<u>26.000</u>
Special Handling Instruction:				
I hereby declare that above information is accurate and transporting as per GWT intake site regulation				
Incharge, Signature & Date <u>Sk. Omar Faruq</u> <u>22/04/21</u>		Generator Company Incharge Sign & Date: <u>MO. JAHANGIR ALAM</u>		



ENVIRONMENTAL STATUS

NON-HAZARDOUS WASTE DISPOSAL – GWT INTAKE SITE

 Gandharbpur Water Treatment SNC SUEZ CITY VEOLIA A Joint Venture of SUEZ INTERNATIONAL & CITY VEOLIA		DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)						 MOTT MACDONALD DWASA			
		NON-HAZARDOUS WASTE DISPOSAL RECORD						B-001464-GWT-EN-GWT-RP-5006			
								Rev 006 (A00)			
S.N.	COMPANY	DATE OF ISSUE	WASTE COLLECTED FROM	MANIFEST NO.	VEHICLE NO.	WASTE TYPE	DESCRIPTION OF WASTE	QUANTITY		WASTE DISPOSAL LOCATION	STATUS
								KG	L		
1	Shafiq Brother PVT Ltd	26-Mar-21	Kitchen	MN-146	N/A	Plastic & paper waste	General waste	8	0	Municipality Designated Zone	Disposed
2	Shafiq Brother PVT Ltd	27-Mar-21	Kitchen	MN-147	N/A	Plastic & paper waste	General waste	7	0	Municipality Designated Zone	Disposed
3	Shafiq Brother PVT Ltd	28-Mar-21	Kitchen	MN-148	N/A	Plastic & paper waste	General waste	8	0	Municipality Designated Zone	Disposed
4	Shafiq Brother PVT Ltd	29-Mar-21	Kitchen	MN-149	N/A	Plastic & paper waste	General waste	5	0	Municipality Designated Zone	Disposed
5	Shafiq Brother PVT Ltd	30-Mar-21	Kitchen	MN-150	N/A	Plastic & paper waste	General waste	2	0	Municipality Designated Zone	Disposed
6	Shafiq Brother PVT Ltd	31-Mar-21	Kitchen	MN-151	N/A	Plastic & paper waste	General waste	2	0	Municipality Designated Zone	Disposed
TOTAL KG/L								32.00	0.00		

Recorded By Ujjal Dev
 Designation-- Camp Boss

Signature [Signature]
 Date -- 31-Mar-21



ENVIRONMENTAL STATUS

NON-HAZARDOUS WASTE DISPOSAL – GWT INTAKE SITE

Gandharbpur Water Treatment SNC SUEZ CITY VEOLIA A joint Venture of SUEZ INTERNATIONAL & OTV/VEOLIA		DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)								MOTT MACDONALD DWASA	
NON-HAZARDOUS WASTE DISPOSAL RECORD										B-001464-GWT-EN-GWT-RP-5006	
										Rev 006 (A00)	
S.N.	COMPANY	DATE OF ISSUE	WASTE COLLECTED FROM	MANIFEST NO.	VEHICLE NO.	WASTE TYPE	DESCRIPTION OF WASTE	QUANTITY		WASTE DISPOSAL LOCATION	STATUS
								KG	L		
1	Shafiq Brother PVT Ltd	1-Apr-21	Kitchen	MN-152	N/A	Plastic & paper waste	General waste	7	0	Municipality Designated Zone	Disposed
2	Shafiq Brother PVT Ltd	2-Apr-21	Kitchen	MN-153	N/A	Plastic & paper waste	General waste	9	0	Municipality Designated Zone	Disposed
3	Shafiq Brother PVT Ltd	3-Apr-21	Kitchen	MN-154	N/A	Plastic & paper waste	General waste	6	0	Municipality Designated Zone	Disposed
4	Shafiq Brother PVT Ltd	4-Apr-21	Kitchen	MN-155	N/A	Plastic & paper waste	General waste	11	0	Municipality Designated Zone	Disposed
5	Shafiq Brother PVT Ltd	5-Apr-21	Kitchen	MN-156	N/A	Plastic & paper waste	General waste	10	0	Municipality Designated Zone	Disposed
6	Shafiq Brother PVT Ltd	6-Apr-21	Kitchen	MN-157	N/A	Plastic & paper waste	General waste	10	0	Municipality Designated Zone	Disposed
7	Shafiq Brother PVT Ltd	7-Apr-21	Kitchen	MN-158	N/A	Plastic & paper waste	General waste	9	0	Municipality Designated Zone	Disposed
8	Shafiq Brother PVT Ltd	8-Apr-21	Kitchen	MN-159	N/A	Plastic & paper waste	General waste	7	0	Municipality Designated Zone	Disposed
9	Shafiq Brother PVT Ltd	9-Apr-21	Kitchen	MN-160	N/A	Plastic & paper waste	General waste	9	0	Municipality Designated Zone	Disposed
10	Shafiq Brother PVT Ltd	10-Apr-21	Kitchen	MN-161	N/A	Plastic & paper waste	General waste	7	0	Municipality Designated Zone	Disposed
11	Shafiq Brother PVT Ltd	11-Apr-21	Kitchen	MN-162	N/A	Plastic & paper waste	General waste	2	0	Municipality Designated Zone	Disposed
12	Shafiq Brother PVT Ltd	12-Apr-21	Kitchen	MN-163	N/A	Plastic & paper waste	General waste	3	0	Municipality Designated Zone	Disposed
13	Shafiq Brother PVT Ltd	13-Apr-21	Kitchen	MN-164	N/A	Plastic & paper waste	General waste	4	0	Municipality Designated Zone	Disposed
14	Shafiq Brother PVT Ltd	14-Apr-21	Kitchen	MN-165	N/A	Plastic & paper waste	General waste	5	0	Municipality Designated Zone	Disposed
TOTAL KG/L								99.00	0.00		

Recorded By Ujjal Das
Designation-- Camp Boss

Signature [Signature]
Date -- 14-Apr-21



ENVIRONMENTAL STATUS

NON-HAZARDOUS WASTE DISPOSAL – GWT INTAKE SITE

 Gandharbpur Water Treatment SNC SUEZ CITY VEOLIA A Joint Venture of SUEZ INTERNATIONAL & CITY VEOLIA		DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)							 MOTT MACDONALD DWASA		
		NON-HAZARDOUS WASTE DISPOSAL RECORD							B-001464-GWT-EN-GWT-RP-5006		
									Rev 006 (A00)		
S.N.	COMPANY	DATE OF ISSUE	WASTE COLLECTED FROM	MANIFEST NO.	VEHICLE NO.	WASTE TYPE	DESCRIPTION OF WASTE	QUANTITY		WASTE DISPOSAL LOCATION	STATUS
								KG	L		
1	Shafiq Brother PVT Ltd	15-Apr-21	Kitchen	MN-166	N/A	Plastic & paper waste	General waste	5	0	Municipality Designated Zone	Disposed
2	Shafiq Brother PVT Ltd	16-Apr-21	Kitchen	MN-167	N/A	Plastic & paper waste	General waste	10	0	Municipality Designated Zone	Disposed
3	Shafiq Brother PVT Ltd	17-Apr-21	Kitchen	MN-168	N/A	Plastic & paper waste	General waste	5	0	Municipality Designated Zone	Disposed
4	Shafiq Brother PVT Ltd	18-Apr-21	Kitchen	MN-169	N/A	Plastic & paper waste	General waste	9	0	Municipality Designated Zone	Disposed
5	Shafiq Brother PVT Ltd	19-Apr-21	Kitchen	MN-170	N/A	Plastic & paper waste	General waste	9	0	Municipality Designated Zone	Disposed
6	Shafiq Brother PVT Ltd	20-Apr-21	Kitchen	MN-171	N/A	Plastic & paper waste	General waste	6	0	Municipality Designated Zone	Disposed
7	Shafiq Brother PVT Ltd	21-Apr-21	Kitchen	MN-172	N/A	Plastic & paper waste	General waste	5	0	Municipality Designated Zone	Disposed
TOTAL KG/L								49.00	0.00		

Recorded By Ujjal Dev
 Designation-- Camp Boss

Signature [Signature]
 Date -- 21-Apr-21



ENVIRONMENTAL STATUS

NON-HAZARDOUS WASTE DISPOSAL – GWT INTAKE SITE

Gandharbpur Water Treatment SNC SUEZ CITY VEOLIA A joint Venture of SUEZ INTERNATIONAL & CITYVEOLIA		DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)								MOTT MACDONALD DWASA	
										B-001464-GWT-EN-GWT-RP-5006	
										Rev 006 (A00)	
NON-HAZARDOUS WASTE DISPOSAL RECORD											
S.N.	COMPANY	DATE OF ISSUE	WASTE COLLECTED FROM	MANIFEST NO.	VEHICLE NO.	WASTE TYPE	DESCRIPTION OF WASTE	QUANTITY		WASTE DISPOSAL LOCATION	STATUS
								KG	L		
1	Shafiq Brother PVT Ltd	26-Mar-21	Kitchen	MN-146	N/A	Food waste	General Food waste	21.000	0	Municipality Designated Zone	Disposed
2	Shafiq Brother PVT Ltd	27-Mar-21	Kitchen	MN-147	N/A	Food waste	General Food waste	15.000	0	Municipality Designated Zone	Disposed
3	Shafiq Brother PVT Ltd	28-Mar-21	Kitchen	MN-148	N/A	Food waste	General Food waste	25.000	0	Municipality Designated Zone	Disposed
4	Shafiq Brother PVT Ltd	29-Mar-21	Kitchen	MN-149	N/A	Food waste	General Food waste	15.000	0	Municipality Designated Zone	Disposed
5	Shafiq Brother PVT Ltd	30-Mar-21	Kitchen	MN-150	N/A	Food waste	General Food waste	15.000	0	Municipality Designated Zone	Disposed
6	Shafiq Brother PVT Ltd	31-Mar-21	Kitchen	MN-151	N/A	Food waste	General Food waste	25.000	0	Municipality Designated Zone	Disposed
7	Shafiq Brother PVT Ltd	1-Apr-21	Kitchen	MN-152	N/A	Food waste	General Food waste	19.000	0	Municipality Designated Zone	Disposed
8	Shafiq Brother PVT Ltd	2-Apr-21	Kitchen	MN-153	N/A	Food waste	General Food waste	20.000	0	Municipality Designated Zone	Disposed
9	Shafiq Brother PVT Ltd	3-Apr-21	Kitchen	MN-154	N/A	Food waste	General Food waste	16.000	0	Municipality Designated Zone	Disposed
10	Shafiq Brother PVT Ltd	4-Apr-21	Kitchen	MN-155	N/A	Food waste	General Food waste	21.000	0	Municipality Designated Zone	Disposed
11	Shafiq Brother PVT Ltd	5-Apr-21	Kitchen	MN-156	N/A	Food waste	General Food waste	22.000	0	Municipality Designated Zone	Disposed
12	Shafiq Brother PVT Ltd	6-Apr-21	Kitchen	MN-157	N/A	Food waste	General Food waste	19.000	0	Municipality Designated Zone	Disposed
13	Shafiq Brother PVT Ltd	7-Apr-21	Kitchen	MN-158	N/A	Food waste	General Food waste	24.000	0	Municipality Designated Zone	Disposed
TOTAL KG/L								257.00	0.00		

Recorded By: Ujjal Das
Designation-- Camp Boss

Signature: [Signature]
Date -- 07-Apr-21

ENVIRONMENTAL STATUS

NON-HAZARDOUS WASTE DISPOSAL – GWT INTAKE SITE

Gandharbpur Water Treatment SNC SUEZ CITY VEOLIA A Joint Venture of SUEZ INTERNATIONAL & CITYVEOLIA		DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)								 B-001464-GWT-EN-GWT-RP-5006 Rev 006 (A00)	
NON-HAZARDOUS WASTE DISPOSAL RECORD											
S.N.	COMPANY	DATE OF ISSUE	WASTE COLLECTED FROM	MANIFEST NO.	VEHICLE NO.	WASTE TYPE	DESCRIPTION OF WASTE	QUANTITY		WASTE DISPOSAL LOCATION	STATUS
								KG	L		
1	Shafiq Brother PVT Ltd	8-Apr-21	Kitchen	MN-159	N/A	Food waste	General Food waste	20.000	0	Municipality Designated Zone	Disposed
2	Shafiq Brother PVT Ltd	9-Apr-21	Kitchen	MN-160	N/A	Food waste	General Food waste	25.000	0	Municipality Designated Zone	Disposed
3	Shafiq Brother PVT Ltd	10-Apr-21	Kitchen	MN-161	N/A	Food waste	General Food waste	31.000	0	Municipality Designated Zone	Disposed
4	Shafiq Brother PVT Ltd	11-Apr-21	Kitchen	MN-162	N/A	Food waste	General Food waste	15.000	0	Municipality Designated Zone	Disposed
5	Shafiq Brother PVT Ltd	12-Apr-21	Kitchen	MN-163	N/A	Food waste	General Food waste	19.000	0	Municipality Designated Zone	Disposed
6	Shafiq Brother PVT Ltd	13-Apr-21	Kitchen	MN-164	N/A	Food waste	General Food waste	29.000	0	Municipality Designated Zone	Disposed
7	Shafiq Brother PVT Ltd	14-Apr-21	Kitchen	MN-165	N/A	Food waste	General Food waste	18.000	0	Municipality Designated Zone	Disposed
8	Shafiq Brother PVT Ltd	15-Apr-21	Kitchen	MN-166	N/A	Food waste	General Food waste	29.000	0	Municipality Designated Zone	Disposed
9	Shafiq Brother PVT Ltd	16-Apr-21	Kitchen	MN-167	N/A	Food waste	General Food waste	35.000	0	Municipality Designated Zone	Disposed
10	Shafiq Brother PVT Ltd	17-Apr-21	Kitchen	MN-168	N/A	Food waste	General Food waste	40.000	0	Municipality Designated Zone	Disposed
11	Shafiq Brother PVT Ltd	18-Apr-21	Kitchen	MN-169	N/A	Food waste	General Food waste	21.000	0	Municipality Designated Zone	Disposed
12	Shafiq Brother PVT Ltd	19-Apr-21	Kitchen	MN-170	N/A	Food waste	General Food waste	25.000	0	Municipality Designated Zone	Disposed
13	Shafiq Brother PVT Ltd	20-Apr-21	Kitchen	MN-171	N/A	Food waste	General Food waste	31.000	0	Municipality Designated Zone	Disposed
14	Shafiq Brother PVT Ltd	21-Apr-21	Kitchen	MN-172	N/A	Food waste	General Food waste	21.000	0	Municipality Designated Zone	Disposed
TOTAL KG/L								359.00	0.00		

Recorded By Ujjal Dev
Designation-- Camp Boss

Signature
Date -- 21-Apr-21



ENVIRONMENTAL STATUS NON-HAZARDOUS WASTE MANIFEST – GWT INTAKE SITE

M/s. Jahangir Alam Traders (Waste Disposal Contractor) Chaitan Kanda, Bishwandi, Brahmanzar, Narayanganj				
Manifest No: MN-152		Date: 01/04/21		
Non Hazardous Waste Disposal Manifest	Generator Company & Address: Shafiq Brothers Pvt Ltd	Contact Number: 01880816332		
Facility Site Address		Intake Point Life Camp		
Collected Waste Record				
Sl	Waste Description	Quantity		Total
		KG	L	
	Food waste			19 Kg
	paper & plastic waste			07 Kg
Special Handling Instruction:				
I hereby declare that the above information is accurate and transporting as per GWT intake site regulation.				
Camp Incharge (SBPL) Signature & Date:		Generator Company Incharge Signature & Date:		
		MD. JAHANGIR ALAM		

M/s. Jahangir Alam Traders (Waste Disposal Contractor) Chaitan Kanda, Bishwandi, Brahmanzar, Narayanganj				
Manifest No: MN-172		Date: 21/4/21		
Non Hazardous Waste Disposal Manifest	Generator Company & Address: Shafiq Brothers Pvt Ltd	Contact Number: 01880816332		
Facility Site Address		Intake Point Life Camp		
Collected Waste Record				
Sl	Waste Description	Quantity		Total
		KG	L	
	Food waste	91		91
	paper waste	05		05
96				
Special Handling Instruction:				
I hereby declare that the above information is accurate and transporting as per GWT intake site regulation.				
Camp Incharge (SBPL) Signature & Date:		Generator Company Incharge Signature & Date:		
		MR. JAHANGIR ALAM		



ENVIRONMENTAL STATUS

NON-HAZARDOUS WASTE DISPOSAL – GWT WTP SITE

S.N.		COMPANY	DATE OF ISSUE	WASTE COLLECTED FROM	MANIFEST NO.	VEHICLE NO.	WASTE TYPE	DESCRIPTION OF WASTE	QUANTITY		WASTE DISPOSAL LOCATION	STATUS
									KG	L		
DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)												
NON-HAZARDOUS WASTE DISPOSAL RECORD												
Gandharipur Water Treatment SNC SURE CITY MEDIA A Joint Venture of SURE INTERNATIONAL & CITYMEDIA												
MOTT MACDONALD DWASA B-001464-GWT-EN-GWT-RP-5006 Date: 23 Nov-2020 Rev 006 (A00)												
1	GWTSNC / SBPL	29-Mar-21	GWTSNC Life Camp	133	N/A	Food Waste	General Food Waste	28.000	0	Kandapara, Chowrasta, Sonargaon, Narayangonj.	Disposed	
2	GWTSNC / SBPL	30-Mar-21	GWTSNC Life Camp	134	N/A	Food Waste	General Food Waste	30.000	0	Kandapara, Chowrasta, Sonargaon, Narayangonj.	Disposed	
3	GWTSNC / SBPL	31-Mar-21	GWTSNC Life Camp	135	N/A	Food Waste	General Food Waste	27.000	0	Kandapara, Chowrasta, Sonargaon, Narayangonj.	Disposed	
4	GWTSNC / SBPL	1-Apr-21	GWTSNC Life Camp	136	N/A	Food Waste	General Food Waste	29.000	0	Kandapara, Chowrasta, Sonargaon, Narayangonj.	Disposed	
5	GWTSNC / SBPL	2-Apr-21	GWTSNC Life Camp	137	N/A	Food Waste	General Food Waste	29.000	0	Kandapara, Chowrasta, Sonargaon, Narayangonj.	Disposed	
6	GWTSNC / SBPL	3-Apr-21	GWTSNC Life Camp	138	N/A	Food Waste	General Food Waste	30.000	0	Kandapara, Chowrasta, Sonargaon, Narayangonj.	Disposed	
7	GWTSNC / SBPL	4-Apr-21	GWTSNC Life Camp	139	N/A	Food Waste	General Food Waste	28.000	0	Kandapara, Chowrasta, Sonargaon, Narayangonj.	Disposed	
8	GWTSNC / SBPL	5-Apr-21	GWTSNC Life Camp	140	N/A	Food Waste	General Food Waste	28.000	0	Kandapara, Chowrasta, Sonargaon, Narayangonj.	Disposed	
9	GWTSNC / SBPL	6-Apr-21	GWTSNC Life Camp	141	N/A	Food Waste	General Food Waste	26.000	0	Kandapara, Chowrasta, Sonargaon, Narayangonj.	Disposed	
10	GWTSNC / SBPL	7-Apr-21	GWTSNC Life Camp	142	N/A	Food Waste	General Food Waste	31.000	0	Kandapara, Chowrasta, Sonargaon, Narayangonj.	Disposed	
11	GWTSNC / SBPL	8-Apr-21	GWTSNC Life Camp	143	N/A	Food Waste	General Food Waste	26.000	0	Kandapara, Chowrasta, Sonargaon, Narayangonj.	Disposed	
12	GWTSNC / SBPL	9-Apr-21	GWTSNC Life Camp	144	N/A	Food Waste	General Food Waste	29.000	0	Kandapara, Chowrasta, Sonargaon, Narayangonj.	Disposed	
13	GWTSNC / SBPL	10-Apr-21	GWTSNC Life Camp	145	N/A	Food Waste	General Food Waste	26.000	0	Kandapara, Chowrasta, Sonargaon, Narayangonj.	Disposed	
14	GWTSNC / SBPL	11-Apr-21	GWTSNC Life Camp	146	N/A	Food Waste	General Food Waste	30.000	0	Kandapara, Chowrasta, Sonargaon, Narayangonj.	Disposed	
TOTAL KG/L								397.00	0			

Recorded By _____
Designation _____

Md. Basel Mahmud
Camp Boss

Signature _____
Date 11-Apr-21

Monthly HSE Report

ENVIRONMENTAL STATUS
NON-HAZARDOUS WASTE DISPOSAL – GWT WTP SITE

Gandharbpur Water Treatment SNC A joint venture of SURE CITY & VEOLIA		DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)								MOTT MACDONALD DWASA	
NON-HAZARDOUS WASTE DISPOSAL RECORD										B-001464-GWT-EN-GWT-RP-5006	
										Date: 23 Nov-2020	
										Rev 006 (A00)	
S.N.	COMPANY	DATE OF ISSUE	WASTE COLLECTED FROM	MANIFEST NO.	VEHICLE NO.	WASTE TYPE	DESCRIPTION OF WASTE	QUANTITY		WASTE DISPOSAL LOCATION	STATUS
								KG	L		
1	GWTSNC / SBPL	12-Apr-21	GWTSNC Life Camp	147	N/A	Food Waste	General Food Waste	26.000	0	Kandapara,Chowrasta,Sonargaon,Narayangonj.	Disposed
2	GWTSNC / SBPL	13-Apr-21	GWTSNC Life Camp	148	N/A	Food Waste	General Food Waste	26.000	0	Kandapara,Chowrasta,Sonargaon,Narayangonj.	Disposed
3	GWTSNC / SBPL	14-Apr-21	GWTSNC Life Camp	149	N/A	Food Waste	General Food Waste	30.000	0	Kandapara,Chowrasta,Sonargaon,Narayangonj.	Disposed
4	GWTSNC / SBPL	15-Apr-21	GWTSNC Life Camp	150	N/A	Food Waste	General Food Waste	29.000	0	Kandapara,Chowrasta,Sonargaon,Narayangonj.	Disposed
5	GWTSNC / SBPL	16-Apr-21	GWTSNC Life Camp	151	N/A	Food Waste	General Food Waste	27.000	0	Kandapara,Chowrasta,Sonargaon,Narayangonj.	Disposed
6	GWTSNC / SBPL	17-Apr-21	GWTSNC Life Camp	152	N/A	Food Waste	General Food Waste	30.000	0	Kandapara,Chowrasta,Sonargaon,Narayangonj.	Disposed
7	GWTSNC / SBPL	18-Apr-21	GWTSNC Life Camp	153	N/A	Food Waste	General Food Waste	28.000	0	Kandapara,Chowrasta,Sonargaon,Narayangonj.	Disposed
8	GWTSNC / SBPL	19-Apr-21	GWTSNC Life Camp	154	N/A	Food Waste	General Food Waste	32.000	0	Kandapara,Chowrasta,Sonargaon,Narayangonj.	Disposed
9	GWTSNC / SBPL	20-Apr-21	GWTSNC Life Camp	155	N/A	Food Waste	General Food Waste	28.000	0	Kandapara,Chowrasta,Sonargaon,Narayangonj.	Disposed
10	GWTSNC / SBPL	21-Apr-21	GWTSNC Life Camp	156	N/A	Food Waste	General Food Waste	32.000	0	Kandapara,Chowrasta,Sonargaon,Narayangonj.	Disposed
11	GWTSNC / SBPL	22-Apr-21	GWTSNC Life Camp	157	N/A	Food Waste	General Food Waste	32.000	0	Kandapara,Chowrasta,Sonargaon,Narayangonj.	Disposed
12	GWTSNC / SBPL	23-Apr-21	GWTSNC Life Camp	158	N/A	Food Waste	General Food Waste	30.000	0	Kandapara,Chowrasta,Sonargaon,Narayangonj.	Disposed
13	GWTSNC / SBPL	24-Apr-21	GWTSNC Life Camp	159	N/A	Food Waste	General Food Waste	33.000	0	Kandapara,Chowrasta,Sonargaon,Narayangonj.	Disposed
14	GWTSNC / SBPL	25-Apr-21	GWTSNC Life Camp	160	N/A	Food Waste	General Food Waste	30.000	0	Kandapara,Chowrasta,Sonargaon,Narayangonj.	Disposed
TOTAL KG/L								413.00	0		

Recorded By Md. Rasel Mahmud
Designation Camp Boss

Signature 
Date 25-Apr-21



ENVIRONMENTAL STATUS NON-HAZARDOUS WASTE DISPOSAL – GWT WTP SITE

Gandharbpur Water Treatment SNC SURE CITY VERONA A Joint Venture of SUEZ INTERNATIONAL & VERONIA		DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)								 B-001404-GWT-EN-GWT-RP-5006 Date: 23 Nov-2020 Rev 006 (A00)	
NON-HAZARDOUS WASTE DISPOSAL RECORD											
S.N.	COMPANY	DATE OF ISSUE	WASTE COLLECTED FROM	MANIFEST NO.	VEHICLE NO.	WASTE TYPE	DESCRIPTION OF WASTE	QUANTITY		WASTE DISPOSAL LOCATION	STATUS
								KG	L		
1	GWTSNC / SBPL	26-Mar-21	GWTSNC Life Camp	130	N/A	Food Waste	Plastics, Papers	6.000	0	Kandapara, Chowrasta, Sonargaon, Narayangonj.	Disposed
2	GWTSNC / SBPL	12-Apr-21	GWTSNC Life Camp	147	N/A	Food Waste	Plastics, Papers	6.000	0	Kandapara, Chowrasta, Sonargaon, Narayangonj.	Disposed
3	GWTSNC / SBPL	13-Apr-21	GWTSNC Life Camp	148	N/A	Food Waste	Plastics, Papers	6.000	0	Kandapara, Chowrasta, Sonargaon, Narayangonj.	Disposed
4	GWTSNC / SBPL	14-Apr-21	GWTSNC Life Camp	149	N/A	Food Waste	Plastics, Papers	7.000	0	Kandapara, Chowrasta, Sonargaon, Narayangonj.	Disposed
5	GWTSNC / SBPL	15-Apr-21	GWTSNC Life Camp	150	N/A	Food Waste	Plastics, Papers	8.000	0	Kandapara, Chowrasta, Sonargaon, Narayangonj.	Disposed
6	GWTSNC / SBPL	16-Apr-21	GWTSNC Life Camp	151	N/A	Food Waste	Plastics, Papers	6.000	0	Kandapara, Chowrasta, Sonargaon, Narayangonj.	Disposed
7	GWTSNC / SBPL	17-Apr-21	GWTSNC Life Camp	152	N/A	Food Waste	Plastics, Papers	6.000	0	Kandapara, Chowrasta, Sonargaon, Narayangonj.	Disposed
8	GWTSNC / SBPL	18-Apr-21	GWTSNC Life Camp	153	N/A	Food Waste	Plastics, Papers	6.000	0	Kandapara, Chowrasta, Sonargaon, Narayangonj.	Disposed
9	GWTSNC / SBPL	19-Apr-21	GWTSNC Life Camp	154	N/A	Food Waste	Plastics, Papers	7.000	0	Kandapara, Chowrasta, Sonargaon, Narayangonj.	Disposed
10	GWTSNC / SBPL	20-Apr-21	GWTSNC Life Camp	155	N/A	Food Waste	Plastics, Papers	6.000	0	Kandapara, Chowrasta, Sonargaon, Narayangonj.	Disposed
11	GWTSNC / SBPL	21-Apr-21	GWTSNC Life Camp	156	N/A	Food Waste	Plastics, Papers	6.000	0	Kandapara, Chowrasta, Sonargaon, Narayangonj.	Disposed
12	GWTSNC / SBPL	22-Apr-21	GWTSNC Life Camp	157	N/A	Food Waste	Plastics, Papers	6.000	0	Kandapara, Chowrasta, Sonargaon, Narayangonj.	Disposed
13	GWTSNC / SBPL	23-Apr-21	GWTSNC Life Camp	158	N/A	Food Waste	Plastics, Papers	4.000	0	Kandapara, Chowrasta, Sonargaon, Narayangonj.	Disposed
14	GWTSNC / SBPL	24-Apr-21	GWTSNC Life Camp	159	N/A	Food Waste	Plastics, Papers	6.000	0	Kandapara, Chowrasta, Sonargaon, Narayangonj.	Disposed
15	GWTSNC / SBPL	25-Apr-21	GWTSNC Life Camp	160	N/A	Food Waste	Plastics, Papers	6.000	0	Kandapara, Chowrasta, Sonargaon, Narayangonj.	Disposed
TOTAL KG/L								92.00	0		

Recorded By *Md. Rezael Mahmud*
 Designation *Camp Boss*

Signature *Ronabul*
 Date 25-Apr-21



ENVIRONMENTAL STATUS NON-HAZARDOUS WASTE MANIFEST – GWT WTP SITE

Tarabo Pourashava Rupganj, Narayanganj				
Manifest No: MN <u>133</u>			Date: <u>29-3-21</u>	
Non Hazardous Waste Disposal Manifest		Generator Company & Address: Tarabo Pourashava Rupganj, Narayanganj		Contact Number: 01716980152
Facility Site Address		GWTP Life Camp site		
<i>Collected Waste Record</i>				
Sl	Waste Description	Quantity		Total
		KG	L	
1	General Food Waste	28		
2	Plastic, Paper & Can	7		
Special Handling Instruction:				
I hereby declare that the above information is accurate and transporting as per GWT life camp site regulation.				
Camp Incharge (SBPL) Signature & Date: <i>Rahman</i> 29.03.21		Generator Company Incharge Signature & Date: <i>M. Rahman</i>		

Tarabo Pourashava Rupganj, Narayanganj				
Manifest No: MN <u>153</u>			Date: <u>18-4-21</u>	
Non Hazardous Waste Disposal Manifest		Generator Company & Address: Tarabo Pourashava Rupganj, Narayanganj		Contact Number: 01716980152
Facility Site Address		GWTP Life Camp site		
<i>Collected Waste Record</i>				
Sl	Waste Description	Quantity		Total
		KG	L	
1	General Food Waste	28		
2	Plastic, Paper & Can	6		
Special Handling Instruction:				
I hereby declare that the above information is accurate and transporting as per GWT life camp site regulation.				
Camp Incharge (SBPL) Signature & Date: <i>Rahman</i> 18.04.21		Generator Company Incharge Signature & Date: <i>MD, Mizanur Rahman</i>		

ENVIRONMENTAL STATUS ROAD IMPROVEMENT- CAMCE - WTP



- Muddy road improved with bricks to sustain vehicular and pedestrian traffic during rain fall

For P1, P2, P3.1 and P3.2 Construction Phase

Project Name DESWSP [P1] [P2] [P3.1] [P3.2] (Tick one)
 Contract Number
 Name of Contractor GTWTSNC
 Date 02/06/2024 Location WTP

1. WEATHER CONDITION: Sunny / Cloudy / Rainy / Stormy / Foggy / Smog (Tick Mark)

2. INCIDENTS:

2.1 Are environmental incidents reported and reviewed, and corrective and preventive actions identified and recorded? Yes/ No

2.2 Have there been any incidents this week? Yes, major / Yes, minor / Near miss / No (Tick Mark)

2.3 Nature of incident - impact on:

- Terrestrial environment: flora, fauna, soil, cultural resources
- Aquatic environment: aquatic flora, fish, invertebrates, ground water, surface water, ponds, rivers
- Air: air quality (e.g. dust)
- Human use, activities: fisheries, farming, livelihood
- Others: e.g. noise, vibration incident, complaints of residents

2.4 Brief description of the incident, if applicable.

2.5 Intervention Steps: Not Applicable / Applicable (Provide details):

3. CHECKLIST:

Item	Comments (Enter N/A if not relevant)
1. Storage of Construction Material	
Are storage areas for construction plant, equipment, and raw materials suitably demarcated?	Y
Are storage areas suitably located away from habitats and ecologically-critical areas, khals, and water bodies?	Y
2. Soil Management - Stockpiling and Excess Material	
Is stockpiling of topsoil from productive agricultural lands separate from other soils?	Y
Are stockpiles designed with slopes not exceeding 1:2?	Y
Are stockpiles covered / greened to prevent erosion?	Y
Are excess materials from the work stored, re-used, and disposed of as specified in the EMP?	Y
Are these storage areas maintained and kept clean?	
Is the location of disposal or management areas being recorded?	Y
Is the source of excess material being disposed of recorded?	

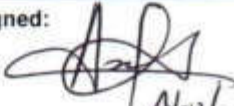
Environmental Monitoring Checklist

Item	Comments (Enter N/A if not relevant)
Are stockpiles located away from surface water to prevent siltation / turbidity of the waterbody?	Y
3. Work in, adjacent to, and over water bodies	
Is sediment or other harmful materials and substances entering watercourses or other water bodies?	N
Is work specified in watercourses, water bodies, and their banks following the EMP and environmental documentation (e.g. IEE, site specific EMP of contractor)? Are geotextile bags or barriers being used if required?	Y not everywhere
Have temporary water passage systems and temporary water body crossings been sufficiently maintained to prevent deposition of silt or other materials? Is there vehicle movement through surface water bodies?	Y
Is there disturbance or damage to watercourses or water body beds, banks, and bank vegetation? If yes, is this within limits specified in the contract and environmental documentation?	N
Have there been any chemical spills, oil leaks or other ingress of potentially hazardous substances to surface water or groundwater sources?	N
Are earthworks limited to the construction sites (there should be no informal storage of soil / excavations)?	Y
4. Contaminated land – storage of fuel and hazardous substances	
Do stored soils show any sign of contamination (waste, oil spill)?	N
Are diesel tanks, skips for solid wastes, etc. located on impermeable hard standing areas? Are these storage areas under a roof?	Y Y
Have there been any chemical spills or leaks on site? Have these been managed in the right way? Has there been any remediation works of the areas subjected to substances, or removal of contaminated soil from site (worst case)?	N
Are chemicals, fuels, and other potentially hazardous substances being stored safely (in purpose-designed, safe areas, at least 50m away from surface water sources)?	Y
Are fuel bunds adequately managed? Are spill kits checked periodically and correctly stored and located? Are spill kits available in various locations around site, close to plant or equipment (fuel absorbent)?	Y Y
Are construction machines being refueled in designated and sealed areas only?	portable method only
Are vehicles washed and wheels cleaned in designated areas only?	Y
5. Work in and adjacent to areas of trees	
Are trees not proposed to be cut suitably protected within the construction site, such as installation of tree guards?	N
In areas of trees not designated for removal, is entry of equipment, construction materials and excess materials limited, with protection measures in place?	Y
Have trees been cut for firewood or non – construction purposes?	N
Is tree cutting and replacement in line with the tree cutting procedure?	Y

Environmental Monitoring Checklist

Item	Comments (Enter N/A if not relevant)
6. Control of air quality / noise levels	
Are the appropriate dust control measures being undertaken on site (for dust from exposed work and from operations (grading, concrete cutting, grinding, abrasive blast cleaning of concrete and steel, and road sweeping))? Have there been any complaints from the local neighborhood?	Y
Is there a clear impact to pedestrians, vehicle traffic, or adjacent residential, commercial, and institutional properties?	N
Is the air quality on site and in the surrounding areas being monitored in compliance with DoE standards? Are the appropriate mitigation measures being undertaken?	N
Is noise and vibration from exposed work and operations being monitored? Are the appropriate control measures being undertaken on site to limit levels in accordance to DoE guidelines?	Y
Is plant in good condition? Are checks undertaken to control air quality and noise levels from the plant?	Y
Are the air quality and noise monitoring registers kept up to date, with records available on site?	Y
7. Maintenance of Local Traffic Access Patterns	
Is local traffic access to residential, commercial, and institutional areas properly managed?	Y
Is pedestrian access to private, commercial and institutional property maintained?	Y
Is local / construction traffic managed according to the traffic management plan?	Y
8. Waste Management	
Is waste separated and stored in closed containers in designated areas?	Y
Is waste being disposed of by a licensed company?	Y
Is waste disposal being recorded?	Y
9. Sewage Management	
Is domestic sewage from the camp collected and treated (septic tanks)?	Y (not all)
Are toilets provided in appropriate numbers?	Y
Do toilets meet appropriate standards of hygiene (handwash, sanitizers)?	Y
Has the sewage sludge properly been disposed and recorded?	Y
10. Other issues	
Are there other issues identified and require control measures?	N
Has training, awareness and competence of the environmental requirements been provided to new staff as part of their induction process?	Y
Is there a record of site inductions to staff available on site?	Y
Has there been any hunting of wild animals?	N
Date(s) / Stages of next Site Safety Review(s), if required:	

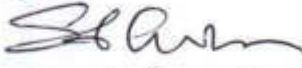
ESR Approval

<p>Signed:</p>  <p>Engineer's Representative:</p>	<p>Signed:</p>  <p>Abul Kalam Azad DHSEM</p> <p>Contractor's Representative:</p>	<p>Date of this Safety Review:</p> <p>02.06.21</p>
--	---	--

Distribution: Original to project file. Copy to BMS Representative.

Project Team Distribution: Copy to all present at Review Meeting, copy to site team members not present at review meeting.

Signature


Shahin Murtubbeev
Env. Inspector

Name & Position

Consolidated Remarks if any:

Project Title:	Dhaka Environmentally Sustainable Water Supply Project	Project No:	MM Proj. No: 346152 GWT Proj. No: 001464
Author:	Shahin Matubker		
Site:	WTP	Date:	02-06-2021

Site Safety Review Attendees:	
Name: Shahin Matubker Abul Kalahu Azad	Company / Designation: MDSC GWT

Item	Comments (Enter N/A if not relevant)
1. Induction & Inspections	
Is there an accurate record of all persons on site? E.g. signing in log book.	Yes / No
Were you given a site induction / daily briefing on arrival at site?	Yes / No
Have all operatives on site had a full HS induction? Are records of their training available?	Yes / No
Has a weekly health and safety briefing been held this week? Is a record available of attendance?	Yes / No
2. Reporting & Records	
How many safety observations have been recorded today?	6
Is there a log of safety observations and incidents available on site?	Yes / No
Are approved method statements in place for all work activities?	Yes / No Give details:
Are signed and approved permits in place for high-risk activities?	Yes / No / NA Give details:

3. PPE	
Are all personnel on site wearing minimum mandatory PPE on site? i.e. safety helmet, safety footwear, hi-vis vest	<p style="text-align: right;"><input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No</p> <p>Give details: <i>few found not complying</i></p>
Is the appropriate PPE being worn for the specific tasks: <ul style="list-style-type: none"> - Glasses and gloves as required depending on task - Working at height – safety harnesses - >85dB - Hearing protection - Dust, fumes or toxic gases – respiratory protection - Other tasks with permit specific PPE (give details) 	<p style="text-align: right;"><input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No</p> <p>Give details:</p>
4. Welfare Facilities	
Is a supply of clean drinking water readily available for everyone on site?	<p style="text-align: right;"><input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No</p> <p>Give details:</p>
Are sufficient toilet facilities available: <ul style="list-style-type: none"> - For men - For women 	<p style="text-align: right;"><input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No</p> <p>Give details:</p>
Are toilet facilities well lit, ventilated, clean and hygienic?	<p style="text-align: right;"><input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No</p> <p>Give details:</p>
Are sufficient hand washing facilities provided including soap and hot water?	<p style="text-align: right;"><input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No</p> <p>Give details: <i>no hot water</i></p>
Are areas for eating provided including provision for keeping chilled food?	<p style="text-align: right;"><input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No</p> <p>Give details:</p>
5. Site Security & Housekeeping	
Is the site compound adequately fenced to prevent unauthorised access, with warning and information signs?	<p style="text-align: right;"><input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No</p> <p>Give details:</p>

Are members of the public, such as people passing by the site, protected e.g. from falling materials, moving machines?	Give details: <input checked="" type="checkbox"/> Yes / No
Are appropriate safety signs in place e.g. traffic routes, authorised personnel, PPE?	Give details: <input checked="" type="checkbox"/> Yes / No <i>Some signage needs reprint</i>
Is the site tidy and well laid out? E.g. pathways are clear, no rubbish, no tools / equipment lying about.	Give details: <input checked="" type="checkbox"/> Yes / No
Are materials and equipment stored correctly and orderly?	Give details: <input checked="" type="checkbox"/> Yes / No
6. First Aid	
Are First-Aid facilities in place and do workers know where they are?	Give details: <input checked="" type="checkbox"/> Yes / No
Are trained first aiders available on site / nearby?	Give details: <input checked="" type="checkbox"/> Yes / No
7. Fire Safety	
Is there a firefighting, rescue and evacuation plan in place and does it understand by all employees?	Give details: <input checked="" type="checkbox"/> Yes / No
Are muster points clearly signposted?	Give details: <input checked="" type="checkbox"/> Yes / No
Are extinguishers in place, clearly marked for type of fire and easily accessible?	Give details: <input checked="" type="checkbox"/> Yes / No
Are designated smoking areas provided away from flammable materials?	Give details: <input checked="" type="checkbox"/> Yes / No

Is smoking confined to designated areas? Answer is no if anyone is seen smoking outside of designated areas.	<input checked="" type="checkbox"/> Yes / No Give details:
8. Traffic Management	
Are pedestrian and vehicle routes clearly marked?	<input checked="" type="checkbox"/> Yes / No Give details:
Is adequate parking in a designated area provided for vehicles?	<input checked="" type="checkbox"/> Yes / No Give details:
9. Excavations	
Is a permit to dig in place?	<input checked="" type="checkbox"/> Yes / No Give details:
Are excavations supported or profiled safely as per the approved method statement?	<input checked="" type="checkbox"/> Yes / No Give details:
Is a safe means to enter and exit the excavation provided? Ladders should be positioned at a height base ratio not flatter than 4:1. The upper end should be tied and extend 1m above excavation.	<input checked="" type="checkbox"/> Yes / No Give details:
Are barriers in place to prevent people falling into the excavation and keep materials, plant and equipment away from the edges?	<input checked="" type="checkbox"/> Yes / No Give details:
10. Plant and Equipment	
Are there appropriate safety measures in place for plant operations, e.g. cordoned areas, banks people?	<input checked="" type="checkbox"/> Yes / No Give details:
Is a lift plan in place for any lifting operations?	<input checked="" type="checkbox"/> Yes / No Give details:
Are records available of weekly inspections for cranes including details of the safe working load?	<input checked="" type="checkbox"/> Yes / No Give details:

Are all tools and equipment in use in good condition?	Yes / No: Give details:
1) Poor water quality of Drinking water	
2) Poor waste management and segregation	
3) Fuel structure storage is tilted	
4) Fire safety, first Aid, and water supply not properly found on Emergency boat	
Date(s) / Stages of next Site Safety Review(s), if required:	

SSR Approval

Signed:  Engineer's Representative:	Signed:  Abul Kalam Azad Contractor's Representative: DHSEM	Date of this Safety Review: 02.06.21
---	---	---

Distribution: Original to project file. Copy to BMS Representative

Project Team Distribution: Copy to all present at Review Meeting. Copy to site team members not present at review meeting

HSE FIELD VISIT REPORT

Project Title:	Dhaka Environmentally Sustainable Water Supply Project (DESWSP) under Dhaka Water Supply and Sewerage Authority (DWASA)
Date of Visit:	02-06-2021
Field Location:	WTP
Inspection Type:	Health Safety and Environmental (HSE) aspects of the WTP Site

1. GWT is instructed to be more careful in housekeeping of construction materials.



2. Safety cap should be put on the rod.



3. Poor potable water facilities at the construction site for the workers.



4. In the monsoon frequent pumping of rainwater is obvious. So make sure that the oil cannot contaminate surface water during the pumping.



5. Housekeeping required for the washed drum. Good housekeeping ensures the site goods safety.



6. Generator should have the Canopy to abate the noise.



7. Poor Waste Management observed in some locations of the construction sites and immediately notified to HSE officer of GWT to take necessary action.



8. Hand washing facilities without soap/hand sanitizer.



9. Bag bins should be replaced by standard bin with inscribed waste types so that medical/food waste/plastic waste cannot mixed up. Regular training on Waste Management to all staffs will help to improve the waste management of the site.



10. Water tape maintenance is required at the CAMCE site to stop the water loss.



11. Fuel storage room structure at the CAMCE site is eroded/shifted/tilted due to monsoon rain. Immediate maintenance required.



12. Tray of Oil storage room is almost filled with spent oil and need immediate cleaning. Instruction given to GWT to take action.



13. Good housekeeping is highly required at the CAMCE site. Already instructed GWT to take immediate action.



14. Security gate bottom is washed out due to heavy rain and outsider can get into the bottom of the gate. GWT should take immediate action to fix this problem.



15. Open containers found filled with rain water and need to emptied immediately to stop breeding of mosquito.



16. Concrete drain's bottom is washed out and need to fix it asap.



17. Emergency boat does not have fire safety equipment, water facilities for the security man and adequate first aid medicines.



18. Boundary line's bottom soil is washed out due to heavy rain. GWT should take immediate action to fix this problem.



19. PPE (Hand gloves) of workers is missing in some location of the construction site. GWT is instructed to provide better quality safety gloves.



20. Wastes are handing over to the Waste Collector (Tarabo Municipality) without any measurement. GWT is instructed to keep the waste data appropriately.



21. Dust suppression was missing at the construction site by sweeper or spraying. GWT is instructed to continue the dust suppression at the site.



Appendix 4: Implementation of COVID-19 Health & Safety Measures

Please refer to Section VIII of this SEMR

Interim Review of Implementation of COVID19 Health and Safety (H&S) Plan

1. COVID 19 H&S Plan – preparation, adoption and update

Item	Details
1	Date of preparation / adoption of COVID19 H&S Plan at overall project level 9-May-2020 Revised 30-sep-2020
2	Indicate if internal arrangements / responsibilities assigned at PMU level as per the Plan to implement and/or monitor COVID19 H&S Plan or for any related emergencies No. All withing GWT and MDSC If yes, provide details
3	Indicate if any training, awareness programs conducted (if yes indicate, one-off or periodic with frequency) Awareness program is a continuous process and reiterated during general weekly tool box talks
4	Has any separate / specific plans or SOPs prepared and adopted at individual offices (PIU, PMC etc.,) or contractor-level based on overall COVID19 H&S Plan Yes
	If yes, provide list of contractors / offices that adopted such specific plans / SOPs From GWT, COVID-19 Task Risk Assessment - GWTSNC Project (B-001464-GWT-HS-G00-PR-5018), COVID-19 prevention guidelines (B-001464-GWT-HS-G00-PR-0003) and business continuity plan are all in place.
	Has any internal arrangements / responsibilities fixed at contractor / office level to implement plans/SOPs COVID-19 PROTOCOLS <ul style="list-style-type: none"> • Display of awareness campaign banners, • Security Gate body temperature screening • Life Camp body temperature screening • Restricted access to site • Screening Visitors before granting access

		<ul style="list-style-type: none"> to site Enforcing use of COVID-19 PPEs, hand sanitizing and vehicles disinfection Disinfection of common areas (INTAKE, RWP, WTP) Mass COVID-19 PCR testing of site employees Implementation of PCR Test Campaign, 2 times a month of 10% of random employee on all sites (WTP, INTAKE and RWP)
5	Does PMU/PIUs review/monitor implementation of COVID 19 H&S plan at offices/sites periodically	PMU with MDSC do weekly H&S review and fill check list
	If yes, indicate frequency, and method (desk-based / field based)	weekly
6	Confirm if the COVID H&S Plan is updated since its adaption and whether it reflects the current government/WHO guidelines	9-May-2020 Revised 30-sep-2020
	If not updated, indicate the date by when it will be updated	

2. Details of notable incidences / cluster of Infections detected till date

Date / period when the cluster was detected	Number of infections	Name of site/office	Potential reasons	Remedial Actions taken	Lessons learnt
3-Aug-20	9	WTP	COVID-19 Infection	<ul style="list-style-type: none"> Imposition of mandatory Isolation / Quarantine on positive case personnel Contact tracing: All contacts with the 	<ul style="list-style-type: none"> Importance of contact tracing Importance of periodic / Random COVID-19 PCR test Importance of enforcement of the
7-Sep-20	4	Dhaka	COVID-19 Infection		
9-Sep-20	5	INTAKE	COVID-19 Infection		
18-Dec-20	2	WTP	COVID-19 Infection		
26-Dec-20	1	WTP	COVID-19 Infection		
27-May-21	1	WTP	COVID-19 Infection		
26-Jun-21	1	INTAKE	COVID-19 Infection		

27-Jun-21	1	WTP	COVID-19 Infection	positive case employees (Negligible contact, Low contact and Moderate / High Contact) are isolated and sufficiently monitored for any possible symptoms. <ul style="list-style-type: none"> • Isolation, quarantine, restriction to travel to sites • Common areas and frequently touched surfaces disinfection. • Mass COVID-19 PCR testing of site employees • Implementation of PCR Test Campaign, 2 times a month of 10% of random employee on all sites (WTP, INTAKE and RWP) 	use of COVID-19 PPEs
7-Jul-21	6	INTAKE	COVID-19 Infection		
8-Jul-21	4	INTAKE	COVID-19 Infection		

3. COVID 19 H&S Plan – Implementation Efficiency Review

Review the implementation of various measures as per COVID19 H&S and SOPs at offices (**Table 1**), construction work sites (**Table 2**), and workers camps (**Table 3**), and assess the implementation efficiency in terms of : Implemented (satisfactory (**S**), partially satisfactory (**PS**), poor (**P**)) or not implemented (**NO**).

This review should be prepared based on any latest reports (not more than 1 month old) submitted by offices / contractors on implementation of COVID19 H&S Plan. If there are no such reports available, PMU shall initiate quick and random on-site review at all offices and at contractor-level.

Such assessment can be (i) self-assessment by respective office/contractor, and reviewed and approved by supervisory agency, or (ii) review by supervisory agency on site.

Table 1: Implementation effectiveness of COVID19 H&S measures at Project/Site Offices

	Proposed measures	PMU	PIU1	PIU2	PIU3	PMC
	*Note: Mark implementation effectiveness as: 'S' (satisfactory), PS (Partially Satisfactory), P (Poor) or NO (Not Implemented)					
1	Visitor entry restriction					S
2	Entry screening & records					S
3	Self-declaration forms					S
4	No entry without face masks, shields (as prescribed in plan)					S
5	Measures to reduce occupancy / crowding					S
6	Working in shifts, WFH arrangement					S
7	Office reorganization with social distance / ventilation					S
8	Hand washing facility (with soaps, water, sanitizer)					S
9	Social Distancing (SD) measure at entry and exit, common areas					S
10	SD measures in utilities (washrooms, canteen, lunchrooms etc.,)					S
11	SD measures for meetings (virtual, minimum participants, open / ventilated rooms etc.,)					S
12	SD measures during breaks (such as lunch, tea etc.,)					S
13	Cleaning & disinfection of washrooms					S
14	Cleaning & disinfection of work area					S
15	Cleaning & disinfection of office equipment, tools etc					S
16	Cleaning & disinfection of common areas (lifts, staircase, canteen, lunchrooms etc.,)					S
17	Awareness signage/display provided in office					S
18	COVID19 H&S implementation responsibilities assigned to managers / staff					S
19	COVID19 H&S plan implementation reviewed/monitored regularly					S
20	If any other measures, please specify:					

Table 2: Implementation effectiveness of COVID19 H&S measures at Project Construction Sites

	Construction work sites	CC1	CC 2	CC3	CC4	CC5
	*Note: Mark implementation effectiveness as: 'S' (satisfactory), PS (Partially Satisfactory), P (Poor) or NO (Not Implemented)					
1	Visitor entry restriction	S	S	S		
2	Entry screening & records	S	S	S		
3	Self-declaration forms	S	S	S		
4	Masks, shields provided to workers	S	S	S		
5	No entry without mask, shield (as prescribed in the plan / SOP)	S	S	S		
6	Social Distancing (SD) measures in workers during transport (camp-work site)	S	S	S		
7	SD measures in construction site office	S	S	S		
8	SD measures in construction work	P	P	P		
9	Additional SD measures in close working	S	S	S		
10	Measures to minimize workers at site (work shifts, staggered breaks)	S	S	S		
11	SD measures at work sites for break hours, lunch and rest times	PS	PS	PS		
12	No sharing of food, water, and utensils practices (such as separate water bottles)	PS	PS	PS		
13	Hand washing facility (with soaps, water, sanitizer) at entry, exit, and various places within the site	PS	PS	PS		
14	Health & safety briefing conducted daily	S	S	S		
15	Health & safety briefings conducted with SD norms, PPEs	S	S	S		
16	Workers trained to work & interact without physical contact	S	S	S		
17	Facility for isolation of suspected cases	S	S	S		
18	Medical facility (internal or hospital collaboration)	S	S	S		
19	Cleaning & disinfection of washrooms	S	S	S		
20	Cleaning & disinfection of work area	S	S	S		
21	Disinfection of construction equipment, machinery	PS	PS	PS		
22	Disinfection of material stocks for handling	PS	PS	PS		
23	Cleaning & disinfection of common/rest areas	S	S	S		
24	Emergency contact / response procedures	S	S	S		
25	Awareness signage/display provided in office	S	S	S		
26	COVID19 H&S implementation responsibilities assigned to managers / staff	S	S	S		
27	COVID19 H&S plan implementation reviewed/monitored regularly	S	S	S		
28	If any other measures, please specify:					

CC = construction contractor

Table 3: Implementation effectiveness of COVID19 H&S measures at Workers Camps

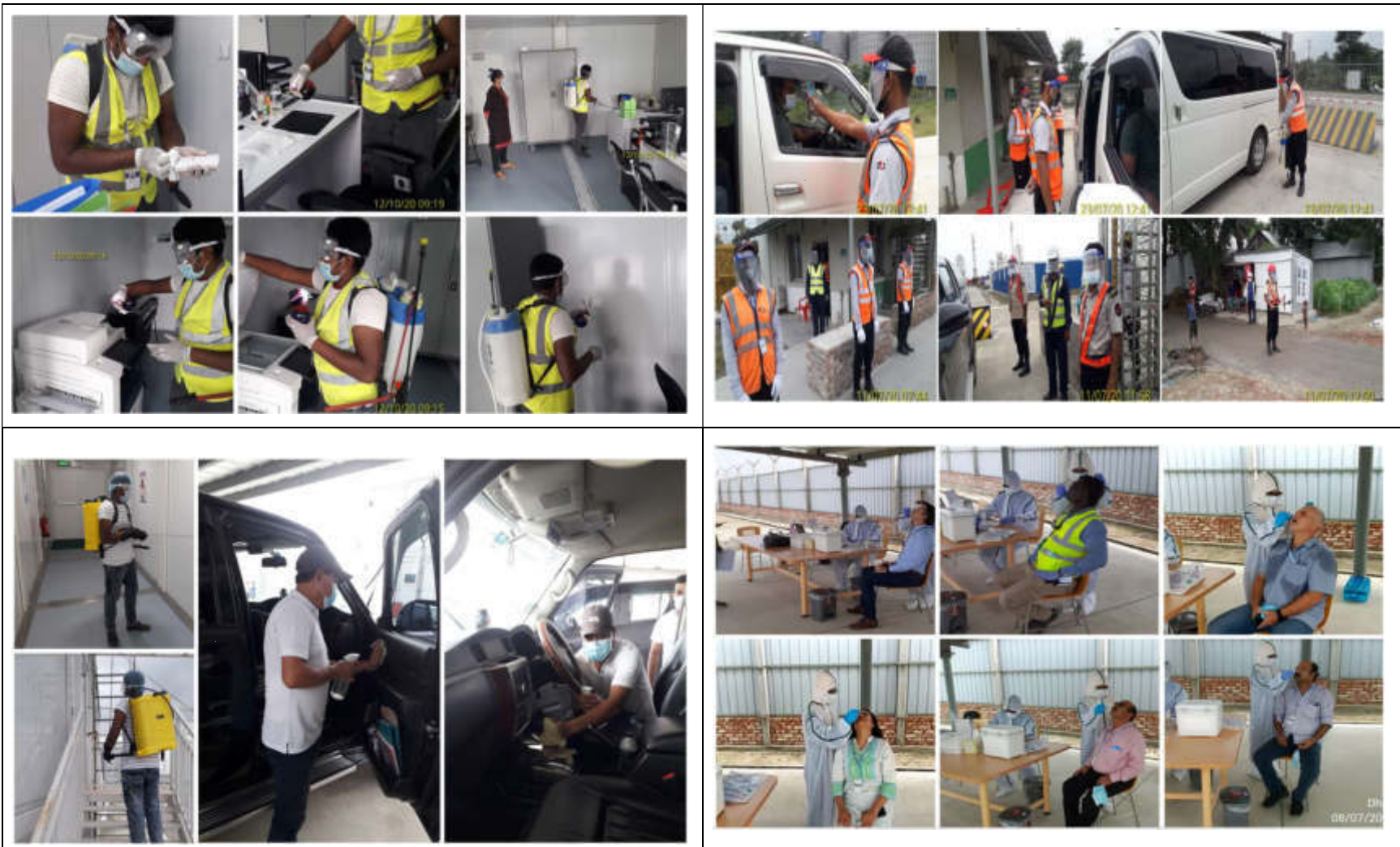
	Construction camps / workers accommodation	Camp 1	Camp 2	Camp 3	Camp 4	Camp 5
	*Note: Mark implementation effectiveness as: 'S' (satisfactory), PS (Partially Satisfactory), P (Poor) or NO (Not Implemented)					
1	Camps reorganized to COVID19 protocols (minimum persons per room)	S	S			
2	Isolation facilities for new workers	S	S			
3	Isolation facilities for suspected / positive cases	S	S			
4	Medical facility, care, cure (internal or hospital collaboration)	S	S			
5	Insurance coverage for medical and other emergencies for workers	S	S			
6	Prohibition of visitor entry	S	S			
7	Social Distancing (SD) measures at camp site (no social gathering)	S	S			
8	Compulsory use of face mask in common areas of camp	S	S			
9	All facilities including water, food, groceries etc., made available to workers within the camp and workers movement outside prevented	S	S			
10	Adequate wash and toilet facilities provided	S	S			
11	Hand washing facility (with soaps, water, sanitizer) at entry, exit and various places within the camp conveniently	S	S			
12	Cleaning & disinfection of washrooms, toilets	S	S			
13	Cleaning & disinfection of camp area	S	S			
14	Cleaning & disinfection of common areas	S	S			
15	Emergency contact / response procedures	S	S			
16	Awareness signage/display provided in office	S	S			
17	COVID19 H&S impl'tion responsibilities assigned to managers & camp inmates	S	S			
18	COVID19 H&S plan implementation reviewed/monitored regularly	S	S			
19	If any other measures, please specify:					

4. Findings and recommendations

Based on the above assessment, indicate if the overall implementation is satisfactory or otherwise, and also list proposed improvement measures, if needed, including strengthening of plan, institutional arrangements and training and capacity building

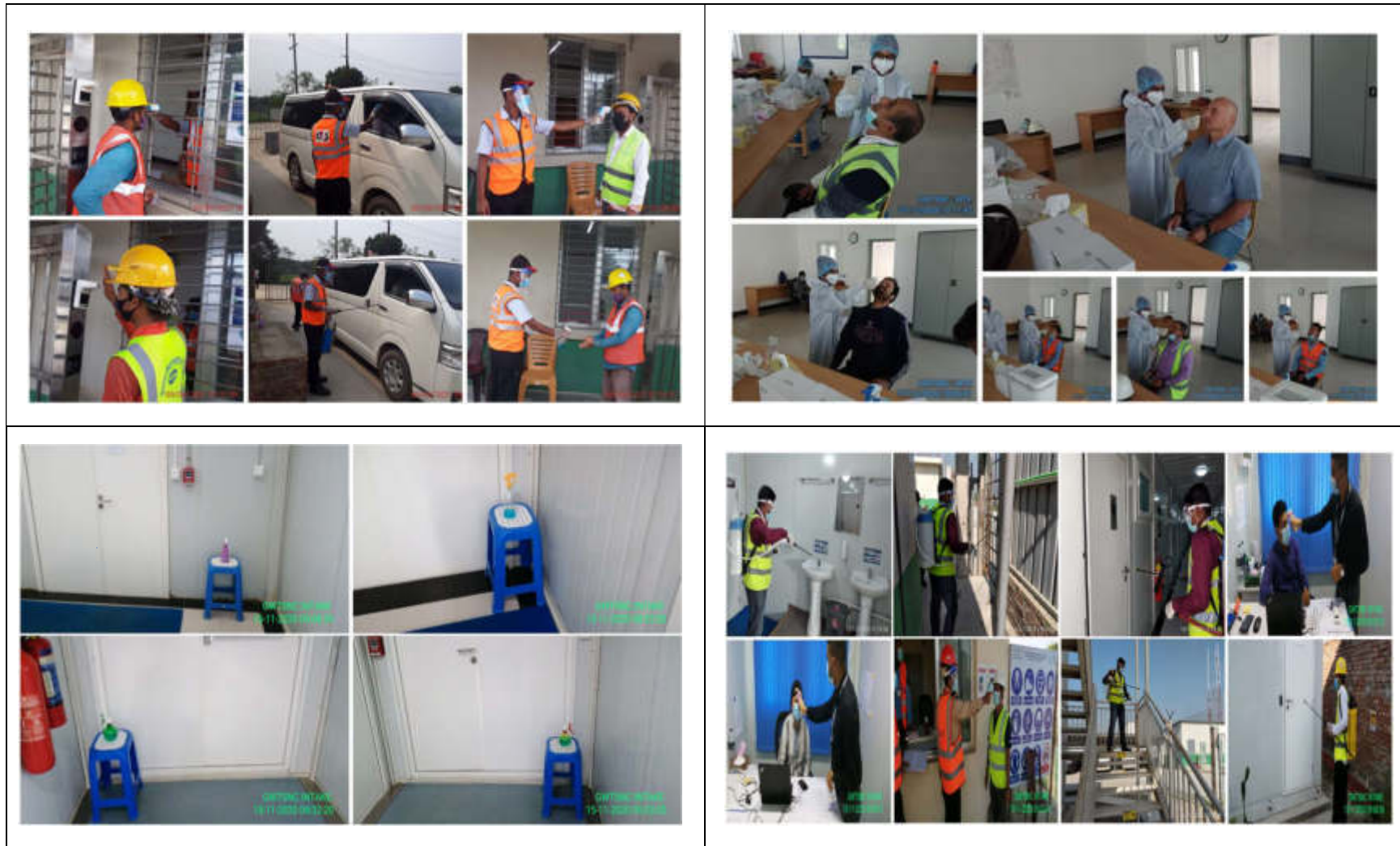
Overall implementation is satisfactory.

Photographs showing on implementation of COVID19 measures at work sites











COVID-19 PROTOCOLS

- Display of awareness campaign banners,
- Security Gate body temperature screening
- Life Camp body temperature screening
- Restricted access to site
- Screening Visitors before granting access to site
- Enforcing use of COVID-19 PPEs, hand sanitizing and vehicles disinfection
- Disinfection of common areas (INTAKE & WTP)

BODY TEMPERATURE SCREENING

Project Site	Specific Location	Number of personnel
WTP	Main Security Gate	4318
WTP	Life Camp	570
INTAKE	Main Security Gate	7196
INTAKE	Life Camp	455




COVID-19 TEST STATUS

Month	Company	Personnel	Purpose	Positive cases
26 May~25 Jun-2021	GWT - WTP	15	For site access	0
	SBPL - WTP	5	For site access	
	CAMCE	27	For site access	
	MDSC WTP	3	For site access	
	DWASA WTP	01	For site access	
	GWT - INTAKE	10	For site access	
	Line n Shape	10	For site access	
	SBPL - INTAKE	02	For site access	
	FAREES - INTAKE	09	For site access	
	SECURITY - INTAKE	19	For site access	
	AMIR and EMS JV	23	Non	
MDSC INTAKES	02	For site access		
Total Personnel Tested		126	Total Positive Cases	0

Appendix 5: Monitoring Reports (Air, Noise, Water Testing Lab reports)

ENVIRONMENTAL STATUS

AIR QUALITY MONITORING - CAMCE

  A Joint Venture of SUEZ INTERNATIONAL & CITY VEOLIA		DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)									 B-001464-CMC-EN-GWT-RP-5001 Date:20-Jul-2020 Rev 006 (A00)		
		AIR QUALITY MONITORING LOG											
Date	Monitoring Duration	Time	Location	Temp	Humidity	CO ₂	HCHO	TVOC	C ₆ H ₆	SPM	PM _{2.5}	PM ₁₀	
				(°C)	(%)	ppm	mg/m ³	mg/m ³	mg/m ³	(ug/m ³)	(ug/m ³)	(ug/m ³)	
27/3/2021	60Mins	09:00 Hours	W95 (SW)	31°C	51%	443	0.01	0.28	0.06	265	92	173	
27/3/2021	60Mins	10:15 Hours	W92	31°C	51%	465	0.03	0.24	0.05	291	98	193	
27/3/2021	60Mins	11:20 Hours	W01(SE)	31°C	53%	460	0.04	0.21	0.06	312	107	205	
27/3/2021	60Mins	14:15 Hours	W83(NE)	30°C	54%	466	0.04	0.21	0.06	295	101	194	
27/3/2021	60Mins	15:20 Hours	North boundary	29°C	55%	486	0.05	0.23	0.07	413	137	276	
30/3/2021	60Mins	09:00 Hours	W95 (SW)	30°C	83%	426	0.01	0.32	0.07	370	127	243	
30/3/2021	60Mins	10:15 Hours	W92	31°C	81%	440	0.01	0.28	0.06	328	114	214	
30/3/2021	60Mins	11:20 Hours	W01(SE)	30°C	78%	447	0.01	0.26	0.06	332	108	224	
30/3/2021	60Mins	14:15 Hours	W83(NE)	29°C	82%	447	0.02	0.25	0.06	316	109	207	
30/3/2021	60Mins	15:20 Hours	North boundary	29°C	82%	451	0.02	0.24	0.07	283	99	184	
11/4/2021	60Mins	09:00 Hours	W95 (SW)	31°C	71%	467	0.01	0.3	0.07	272	91	181	
11/4/2021	60Mins	10:15 Hours	W92	31°C	70%	465	0.01	0.26	0.06	307	101	206	
11/4/2021	60Mins	11:20 Hours	W01(SE)	31°C	69%	447	0.02	0.26	0.06	290	93	197	
11/4/2021	60Mins	14:15 Hours	W83(NE)	30°C	72%	450	0.03	0.24	0.07	340	111	229	
11/4/2021	60Mins	15:20 Hours	North boundary	30°C	71%	450	0.04	0.25	0.05	525	169	356	
13/4/2021	60Mins	09:00 Hours	W95 (SW)	33°C	58%	451	0.1	0.24	0.05	219	74	145	
13/4/2021	60Mins	10:15 Hours	W92	31°C	60%	446	0.03	0.2	0.06	318	107	211	
13/4/2021	60Mins	11:20 Hours	W01(SE)	30°C	62%	471	0.04	0.2	0.06	358	117	241	
13/4/2021	60Mins	14:15 Hours	W83(NE)	30°C	67%	547	0.08	0.27	0.06	365	117	248	
13/4/2021	60Mins	15:20 Hours	North boundary	30°C	65%	538	0.06	0.23	0.07	316	102	214	
17/4/2021	60Mins	09:00 Hours	W95 (SW)	30°C	63%	433	0.03	0.29	0.06	162	56	106	



ENVIRONMENTAL STATUS

AIR QUALITY MONITORING - CAMCE

17/4/2021	60Mins	10:15 Hours	W92	30°C	65%	436	0.07	0.27	0.06	158	57	101
17/4/2021	60Mins	11:20 Hours	W01(SE)	30°C	64%	454	0.08	0.26	0.06	177	65	112
17/4/2021	60Mins	14:15 Hours	W83(NE)	29°C	61%	450	0.16	0.23	0.07	184	66	118
17/4/2021	60Mins	15:20 Hours	North boundary	29°C	61%	454	0.12	0.23	0.07	170	59	111
20/4/2021	60Mins	09:00 Hours	W95 (SW)	32°C	66%	449	0.01	0.25	0.06	411	136	275
20/4/2021	60Mins	10:15 Hours	W92	32°C	65%	510	0.02	0.23	0.07	301	102	199
20/4/2021	60Mins	11:20 Hours	W01(SE)	32°C	65%	482	0.02	0.23	0.07	264	88	176
20/4/2021	60Mins	14:15 Hours	W83(NE)	31°C	66%	514	0.03	0.23	0.07	437	138	209
20/4/2021	60Mins	15:20 Hours	North boundary	31°C	66%	486	0.04	0.23	0.07	545	177	368
25/4/2021	60Mins	09:00 Hours	W95 (SW)	35°C	46%	496	0.12	0.25	0.06	249	74	175
25/4/2021	60Mins	10:15 Hours	W92	36°C	47%	467	0.27	0.27	0.06	177	63	114
25/4/2021	60Mins	11:20 Hours	W01(SE)	35°C	47%	472	0.25	0.27	0.06	159	53	106
25/4/2021	60Mins	14:15 Hours	W83(NE)	35°C	45%	492	0.15	0.23	0.06	204	66	138
25/4/2021	60Mins	15:20 Hours	North boundary	35°C	45%	519	0.09	0.23	0.07	281	83	198

				<u>Name</u>	<u>Signature</u>							
Recorded By:				Anwar Hossain								
Checked By:				S M Faysal								



ENVIRONMENTAL STATUS AIR QUALITY MONITORING - CAMCE





ENVIRONMENTAL STATUS AIR QUALITY MONITORING

0 - 50	Good	Air quality is considered satisfactory, and air pollution poses little or no risk	None
51 -100	Moderate	Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.	Active children and adults, and people with respiratory disease, such as asthma, should limit prolonged outdoor exertion.
101-150	Unhealthy for Sensitive Groups	Members of sensitive groups may experience health effects. The general public is not likely to be affected.	Active children and adults, and people with respiratory disease, such as asthma, should limit prolonged outdoor exertion.
151-200	Unhealthy	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects	Active children and adults, and people with respiratory disease, such as asthma, should avoid prolonged outdoor exertion; everyone else, especially children, should limit prolonged outdoor exertion
201-300	Very Unhealthy	Health warnings of emergency conditions. The entire population is more likely to be affected.	Active children and adults, and people with respiratory disease, such as asthma, should avoid all outdoor exertion; everyone else, especially children, should limit outdoor exertion.
300+	Hazardous	Health alert: everyone may experience more serious health effects	Everyone should avoid all outdoor exertion





ENVIRONMENTAL STATUS DUST SUPPRESSION - CAMCE

Gandharbpur Water Treatment SNC SUEZ CITY VEOLIA A joint Venture of SUEZ INTERNATIONAL & CITY VEOLIA		DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWP)							
DUST CONTROL RECORD									
S.N.	COMPANY	LOCATION OF DUST CONTROL	DIMENSION OF AREA CONTROLLED	DUST CONTROL RESPONSIBLE PERSON	START TIME	END TIME	SOURCE OF WATER FOR DUST CONTROL	AREA DUST STATUS	
1	CAMCE-20210325	Roads	06×450 M 06×650 M	Cao	06:30 AM 04:30 PM	07:30 AM 07:00 PM	Mixer Truck	Good condition	
2	CAMCE-20210326	Roads	06×450 M	Cao	08:00 AM	09:00 AM	Mixer Truck	Good condition	
3	CAMCE-20210327	Roads	06×650 M 06×250 M	Cao	06:30 AM 10:30 AM	08:00 AM 11:00 AM	Mixer Truck Pay Loader	Good condition	
4	CAMCE-20210328	Roads	06×350 M	Cao	08:30 AM	09:30 AM	Mixer Truck	Normal	
5	CAMCE-20210329	Roads	06×650 M 06×700 M	Cao	07:00 AM 02:00 PM	08:20 AM 03:00 PM	Mixer Truck	Good condition	
6	CAMCE-20210330	Roads	06×750 M	Cao	07:30 AM	08:40 AM	Mixer Truck	Good condition	
7	CAMCE-20210331	BP Open yard & Roads	20×100 M 06×650 M	Yang / Cao	06:00 AM 08:00 AM	08:00 AM 09:30 AM	Deep Tube-well Mixer Truck	Good condition	
8	CAMCE-20210408	Roads	06×800 M	Cao	12:30 PM	01:30 PM	Mixer Truck	Good condition	
9	CAMCE-20210409	Roads	06×650 M	Cao	06:30 AM	07:30 AM	Mixer Truck	Good condition	
10	CAMCE-20210410	Roads	06×450 M	Cao	07:00 AM	08:00 AM	Mixer Truck	Good condition	
11	CAMCE-20210411	BP Open yard & Roads	10×80 M 06×450 M 06×350 M	Yang / Cao	10:00 AM 08:30 AM	10:30 AM 09:20 AM	Deep Tube-well Mixer Truck	Good condition	
12	CAMCE-20210412	Roads	06×800 M 06×650 M	Cao	08:00 AM 12:30 PM	09:30 AM 01:30 PM	Mixer Truck	Good condition	
13	CAMCE-20210413	Roads	06×750 M	Cao	04:00 PM	05:30 PM	Mixer Truck	Normal	
14	CAMCE-20210414	Roads	06×650 M	Cao	04:00 PM	05:30 PM	Mixer Truck	Normal	

Recorded By: Anwar Hossain
Designation: CAMCE HSE Engineer

Signature:
Date: 14-Apr-2021

ENVIRONMENTAL STATUS DUST SUPPRESSION - CAMCE

Gandharbpur Water Treatment SNC  A Joint Venture of SUEZ INTERNATIONAL & CITY-VEOLIA		DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)					 B-001464-CMC-EN-GWT-RP-3002 Date: 20-Jul-2020 Rev: 006 (ADD)		
		DUST CONTROL RECORD							
S.N.	COMPANY	LOCATION OF DUST CONTROL	DIMENSION OF AREA CONTROLLED	DUST CONTROL RESPONSIBLE PERSON	START TIME	END TIME	SOURCE OF WATER FOR DUST CONTROL	AREA DUST STATUS	
1	CAMCE-20210415	Roads	06×450 M	Cao	04:10 PM	05:20 PM	Mixer Truck	Normal	
2	CAMCE-20210416	Roads	06×650 M	Cao	09:00 AM	10:00 AM	Mixer Truck	Normal	
3	CAMCE-20210417	Overalls	Overalls	N/A	03:10 AM	05:30 AM	Natural Rainfall	Good condition	
4	CAMCE-20210418	Roads	06×300 M 06×650 M	Cao	10:00 AM 12:30 PM	11:00 AM 01:30 PM	Deep Tube-well Mixer Truck	Good condition	
5	CAMCE-20210419	Roads	06×650 M	Cao	08:00 AM	09:00 AM	Mixer Truck	Good condition	
6	CAMCE-20210420	BP Open yard & Roads	10×100 M 06×750 M	Yang / Cao	09:00 AM 01:00 PM	10:00 AM 02:30 PM	Deep Tube-well Mixer Truck	Good condition	
7	CAMCE-20210421	BP Open yard & Roads	10×80 M 06×450 M	Yang / Cao	08:00 AM 08:00 AM	09:30 AM 09:00 AM	Deep Tube-well Mixer Truck	Good condition	
8	CAMCE-20210422	Roads	06×350 M 06×650 M	Cao	09:30 AM 02:30 PM	10:00 AM 03:30 PM	Mixer Truck	Good condition	
9	CAMCE-20210423	Roads	06×650 M	Cao	08:10 AM	09:00 AM	Mixer Truck	Good condition	
10	CAMCE-20210424	BP Open yard & Roads	10×120 M 06×750 M	Yang / Cao	09:00 AM 12:30 PM	10:30 AM 01:30 PM	Deep Tube-well Mixer Truck	Good condition	
11	CAMCE-20210425	Roads	06×500 M 06×350 M	Cao	08:00 AM 05:00 PM	09:30 AM 05:30 PM	Deep Tube-well Mixer Truck	Good condition	


Recorded By: Anwar HossainDesignation: CAMCE HSE EngineerSignature: Date: 25-Apr-2021

ENVIRONMENTAL STATUS DUST SUPPRESSION - WTP



ENVIRONMENTAL STATUS

DUST SUPPRESSION – GWT-INTAKE

Gandharbpur Water Treatment SNC SURE CITY VEOLIA A Joint Venture of SUEZ INTERNATIONAL & OY VEOLIA		DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)						
DUST CONTROL RECORD							B-001-454-GW T-EN-GW T-RP-5002	
							Date: 20 Jul 2020	
							Page: 006 (600)	
S.N.	COMPANY	LOCATION OF DUST CONTROL	DIMENSION OF AREA CONTROLLED	DUST CONTROL RESPONSIBLE PERSON	START TIME	END TIME	SOURCE OF WATER FOR DUST CONTROL	AREA DUST STATUS
1	GWT Sheet Pile	I-20 area	I-20 area	Faruk Khan	07:00	9:00	Ground Water	Controlled
2	GWT Sheet Pile	I-20 area	I-20 area	Dulal Sheikh	07:30	10:00	Ground Water	Controlled
3	GWT Sheet Pile	I-20 area	I-20 area	Dulal Sheikh	11:00	13:00	Ground Water	Controlled
4	GWT Sheet Pile	I-20 area	I-20 area	Faruk Khan	09:00	10:30	Ground Water	Controlled
5	GWT Sheet Pile	I-20 area	I-20 area	Faruk Khan	15:00	17:00	Ground Water	Controlled
6	GWT Sheet Pile	I-15 area	I-15 area	Faruk Khan	15:00	16:30	Ground Water	Controlled
7	GWT Sheet Pile	I-20 area	I-20 area	Faruk Khan	8:00	10:00	Ground Water	Controlled
8	GWT Sheet Pile	I-20 area	I-20 area	Dulal Sheikh	06:30	9:00	Ground Water	Controlled
9	GWT Sheet Pile	I-20 area	I-20 area	Dulal Sheikh	08:00	10:00	Ground Water	Controlled
10	GWT Sheet Pile	I-20 area	I-20 area	Dulal Sheikh	16:00	17:40	Ground Water	Controlled
11	GWT Sheet Pile	I-20 area	I-20 area	Faruk Khan	12:00	14:00	Ground Water	Controlled
12	GWT Sheet Pile	I-20 area	I-20 area	Faruk Khan	11:00	13:00	Ground Water	Controlled
13	GWT Sheet Pile	I-20 area	I-15 area	Faruk Khan	20:00	22:00	Ground Water	Controlled
14	GWT Sheet Pile	I-20 area	I-20 area	Dulal Sheikh	14:00	16:00	Ground Water	Controlled

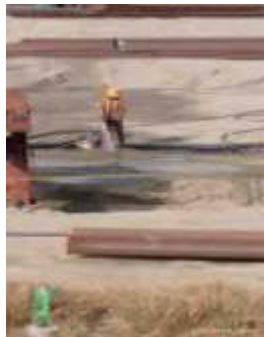
Recorded By _____ Shek Omar Faruq _____

Signature: _____

Designation _____ HSE Officer _____

Date _____ 23/04/2021 _____

ENVIRONMENTAL STATUS DUST SUPPRESSION – GWT-INTAKE



ENVIRONMENTAL STATUS

DUST SUPPRESSION – GWT- RWP

Gandharbpur Water Treatment SNC A Joint Venture of SUEZ INTERNATIONAL & OTV-VEOLIA		DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)						
		DUST CONTROL RECORD					B-001464-ARD-EN-GWT-RP-5002 Date: 20-Jul-2020 Rev:006 (000)	
S.N.	COMPANY	LOCATION OF DUST CONTROL	DIMENSION OF AREA CONTROLLED	DUST CONTROL RESPONSIBLE PERSON	START TIME	END TIME	SOURCE OF WATER FOR DUST CONTROL	AREA DUST STATUS
1	ARIDOD	Intake	70 Meter	Engr. Harish Chandra Sarker (Project Engineer)	10:00 AM	11:00 AM	Deep Well	OK
2	ARIDOD	Uchitpura	1 Kilometer	Engr. Resel Bepary (Site Engineer)	7:30 AM	8:00 AM	Local Source	OK
3	ARIDOD	Intake	60 Meter	Engr. Harish Chandra Sarker (Project Engineer)	11:40 AM	12:50 PM	Local Source	OK
4	ARIDOD	Uchitpura	0.7 Kilometer	Engr. Resel Bepary (Site Engineer)	9:30 AM	10:00 AM	Local Source	OK
5	ARIDOD	Intake	100 Meter	Engr. Harish Chandra Sarker (Project Engineer)	11:00 AM	11:30 AM	Local Source	OK
6	ARIDOD	Uchitpura	100 Meter	Engr. Resel Bepary (Site Engineer)	8:00 AM	8:30 AM	Local Source	OK
7								

Recorded By - **Summit Sayem**Designation - **Lead HSE Representative**

Signature _____

Date - 25-Apr-2021

ENVIRONMENTAL STATUS DUST SUPPRESSION – GWT- RWP



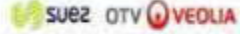




ENVIRONMENTAL STATUS

NOISE MONITORING - CAMCE


Gandharbpur Water Treatment SNC A Joint Venture of SUREZ INTERNATIONAL & OTV-VEOLIA		DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)					 DWASA <small>10-10/104-1041, Dhaka-1215, Bangladesh</small> <small>Phone: 88-02-92100000</small> <small>Fax: 88-02-92100000</small>		
NOISE MONITORING RECORD									
Conditions Summary									
Date	Wind speed (MPH)	Wind Direction	Temperature	Humidity	Cloud Coverage				
31/03/2021	23 km/h	N/A	27°C - 37°C	64%	Haze				
Equipment Summary									
Sound level Meter: Make / Model		Sound level Meter: Serial Number		Calibrator: Model Number		Calibrator: Serial Number			
Digital SOUND Level Meter									
Monitoring Summary									
Date	Monitoring Number	Monitoring Duration	Time	Location	LA10	LA90	L _{Aeq}	L _{AMax}	L _{AMin}
31/3/2021	1	60 sec.	9:10 AM	Batching Plant area	N/A	N/A	73	75	71
	2	60 sec.	9:19 AM	CAMCE construction team camp	N/A	N/A	62	65	58
31/3/2021	3	60 sec.	9:28 AM	North Gate	N/A	N/A	67	68	65
	4	60 sec.	9:36 AM	North East Fence	N/A	N/A	65	66	63
31/3/2021	5	60 sec.	9:41 AM	Reinforcement shop	N/A	N/A	76	79	71
	6	60 sec.	9:51 AM	East Middle Fence	N/A	N/A	75	77	74
31/3/2021	7	60 sec.	10:18 AM	W40, A7 Concrete work area	N/A	N/A	81	83	78
	8	60 sec.	10:31 AM	Contractor Facility Camp	N/A	N/A	68	70	65
31/3/2021	9	60 sec.	10:40 AM	Main Gate	N/A	N/A	75	78	73
	10	60 sec.	11:19 AM	CAMCE Office Complex	N/A	N/A	67	70	64
14/4/2021	11	60 sec.	8:29 AM	Contractor Facility Camp	N/A	N/A	67	69	65
	12	60 sec.	8:34 AM	Main Gate	N/A	N/A	74	75	72
14/4/2021	13	60 sec.	8:47 AM	W40, D5 Rebar work area	N/A	N/A	70	72	66
	14	60 sec.	9:03 AM	East Middle Fence	N/A	N/A	75	77	72
14/4/2021	15	60 sec.	9:10 AM	Reinforcement shop	N/A	N/A	78	82	75
	16	60 sec.	9:19 AM	North East Fence	N/A	N/A	63	65	61
14/4/2021	17	60 sec.	9:26 AM	North Gate	N/A	N/A	66	68	65
	18	60 sec.	9:33 AM	CAMCE construction team camp	N/A	N/A	61	63	58
14/4/2021	19	60 sec.	9:44 AM	Batching Plant area	N/A	N/A	68	71	65
	20	60 sec.	10:12 AM	CAMCE Office Complex	N/A	N/A	65	66	63
Recorded By:	Name Anwar Hossain		Designation CAMCE HSE Engineer		Signature 		Date 14-Apr-2021		
Checked By:	S M Faysal		CAMCE Deputy HSE Manager		Signature 		Date 14-Apr-2021		

ENVIRONMENTAL STATUS NOISE MONITORING - CAMCE

<p style="text-align: center;">Gandharbpur Water Treatment SNC</p> <p style="text-align: center;">  </p> <p style="text-align: center; font-size: small;">A Joint Venture of SUEZ INTERNATIONAL & OTV-VEOLIA</p>	<p>DESIGN AND BUILD OF INTAKE, RAW WATER PIPELINE, AND 500 MLD WATER TREATMENT PLANT AT GANDHARBPUR UNDER DHAKA ENVIRONMENTALLY SUSTAINABLE WATER SUPPLY PROJECT (DESWSP)</p>	<p style="text-align: center;">   </p> <p style="font-size: x-small;">B-001164-CMC-EN-GWT-RP-5003 Date: 20-Jul-2020 Rev: 006 (A00)</p>							
NOISE MONITORING RECORD									
Conditions Summary									
Date	Wind speed (MPH)	Wind Direction	Temperature	Humidity	Cloud Coverage				
21/04/2021	10 km/h	N/A	27°C - 37°C	75%	Partly Cloudy				
Equipment Summary									
Sound level Meter: Make / Model		Sound level Meter: Serial Number		Calibrator: Model Number					
Digital SOUND Level Meter									
Monitoring Summary									
Date	Monitoring Number	Monitoring Duration	Time	Location	LA10	LA90	LAeq	LAMax	LAMin
21/4/2021	1	60 sec.	8:28 AM	Contractor Facility Camp	N/A	N/A	68	70	65
	2	60 sec.	8:35 AM	Main Gate	N/A	N/A	75	77	72
21/4/2021	3	60 sec.	8:45 AM	W40, D6 Rebar work area	N/A	N/A	71	72	69
	4	60 sec.	8:54 AM	East Middle Fence	N/A	N/A	72	73	70
21/4/2021	5	60 sec.	9:06 AM	Reinforcement shop	N/A	N/A	75	79	72
	6	60 sec.	9:12 AM	North East Fence	N/A	N/A	63	65	60
21/4/2021	7	60 sec.	9:19 AM	North Gate	N/A	N/A	64	66	61
	8	60 sec.	9:24 AM	CAMCE construction team camp	N/A	N/A	60	63	56
21/4/2021	9	60 sec.	9:32 AM	Batching Plant area	N/A	N/A	66	68	65
	10	60 sec.	9:42 AM	CAMCE Office Complex.	N/A	N/A	63	66	58

Recorded By: Name
Anwar Hossain

Designation
CAMCE HSE Engineer

Signature


Date
21-Apr-2021

Checked By: S M Faysal

CAMCE Deputy HSE Manager

Signature


Date
21-Apr-2021

ENVIRONMENTAL STATUS NOISE MONITORING - CAMCE

