

Semi-Annual Environmental Monitoring Report

Project number: 42173-013

Period: January – June 2020
Submission Date: November 2020

BAN: Dhaka Environmentally Sustainable Water Supply Project – PART C

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Site safety review

Project Title:	Dhaka Environmentally Sustainable Water Supply Project	Project No:	MM Proj. No: 346152 GWT Proj. No: 001464
Author:	MD. MIZANUR RAHMAN		
Site:	WTP	Date:	2020-01-07

Site Safety Review Attendees:	
Name:	Company / Designation:
Syed Ejazul Karim	MDSC/DRE
MD. MIZANUR RAHMAN	MDSC/ARE
Mr. Abul Kalam Azad	MDSC/Sup GWT/HSE Supervisor
Mr. Anowar	CAMEE/Safety Engineer
Mr. Tony	CAMEE/Safety Manager

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 Not yet applied.
Were you given a site induction / daily briefing on arrival at site?	Yes / No ✓ Yes / No
Have all operatives on site had a full HS induction? Are records of their training available?	Yes / No ✓ Yes / No
Has a weekly health and safety briefing been held this week? Is a record available of attendance?	Yes / No ✓ Yes / No (Every Monday)
2. Reporting & Records	
How many safety observations have been recorded today?	6 Nos.
Is there a log of safety observations and incidents available on site?	Yes / No Yesterday's observations on safety ladder, not yet compiled.
Are approved method statements in place for all work activities?	Yes / No Give details: Not yet. GWT is working on it.

Site safety review

Item	Comments (Enter N/A if not relevant)
Are signed and approved permits in place for high-risk activities?	Yes / No / NA Give details: <i>SAH working on it. started by hot work permits only.</i>
3. PPE	
Are all personnel on site wearing appropriate PPE? Minimum on construction site: safety helmet, safety footwear, hi-vis vest, glasses & gloves	Yes / No Give details: <i>Need improvement. (Need awareness building)</i>
Is the appropriate PPE being worn for the task: - Working at height – safety harnesses - >85dB - Hearing protection - Dust, fumes or toxic gases – respiratory protection - Other tasks with permit specific PPE (give details)	Yes / No Give details: <i>Need improvement. (Need awareness building)</i>
4. Welfare Facilities	
Is a supply of clean drinking water readily available for everyone on site?	Yes / No Give details:
Are sufficient toilet facilities available: - For men – 5 - For women – 0	Yes / No Give details: <i>Previously was one female toilet but damaged at violence (24/1/19).</i>
Are toilet facilities well lit, ventilated, clean and hygienic? <i>improving. not yet.</i>	Yes / No Give details:
Are sufficient hand washing facilities provided including soap and hot water?	Yes / No Give details:
Are areas for eating provided including provision for keeping chilled food?	Yes / No Give details: <i>Have for chowse. Meals go outside the project area.</i>
5. Site Security & Housekeeping	
Is the site compound adequately fenced to prevent unauthorised access, with warning and information signs?	Yes / No Give details: <i>Pending at east canal side.</i>

Site safety review

Item	Comments (Enter N/A if not relevant)
Are members of the public, such as people passing by the site, protected e.g. from falling materials, moving machines?	Yes / No Give details:
Are appropriate safety signs in place e.g. traffic routes, authorised personnel, PPE?	Yes / No Give details: <i>Improving (Not sufficient).</i>
Is the site tidy and well laid out? E.g. pathways are clear, no rubbish, no tools / equipment lying about.	Yes / No Give details: <i>Meeting min^m requirement</i>
Are materials and equipment stored correctly and orderly?	Yes / No Give details: <i>Not satisfactory.</i>
5. First Aid	
Are First-Aid facilities in place and do workers know where they are?	Yes / No Give details: <i>One first aid box and one first aider for approx. 170 people</i>
Are trained first aiders available on site / nearby?	Yes / No Give details:
6. Fire Safety	
Is there an <u>evacuation plan</u> in place and is it understood by all employees?	Yes / No Give details:
Are muster points clearly signposted?	Yes / No Give details: <i>Not sufficient sign post.</i>
Are extinguishers in place, clearly marked for type of fire and easily accessible? <i>(29 not No. + 2 empty)</i>	Yes / No Give details: <i>Have to put in box.</i>

Site safety review

Item	Comments (Enter N/A if not relevant)
Are designated smoking areas provided away from flammable materials? <i>(3 zones)</i>	<input checked="" type="checkbox"/> Yes / No Give details: <i>Not sufficient</i>
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: <i>Monitoring to be improved.</i>
7. Traffic Management	
Are pedestrian and vehicle routes clearly marked?	<input checked="" type="checkbox"/> Yes / No Give details:
Is adequate parking in a <u>designated area</u> provided for vehicles?	<input checked="" type="checkbox"/> Yes / No Give details: <i>No parking zone now.</i>
8. Excavations	
Is a permit to dig in place?	<input checked="" type="checkbox"/> Yes / No Give details: <i>Not yet implemented.</i>
Are excavations supported or profiled safely as per the <u>approved method statement</u> ?	<input checked="" type="checkbox"/> Yes / No Give details: <i>Not approved MS.</i>
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: <i>Improving.</i>
9. Plant and Equipment	
Is access to the working area restricted to those involved in forklift, crane and other plant operations?	<input checked="" type="checkbox"/> Yes / No Give details:



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Site safety review

Item	Comments (Enter N/A if not relevant)
Is a lift plan in place for any lifting operations?	Yes / No Give details:
Are records available of weekly inspections for cranes including details of the safe working load? (By Daily/ At Weekly)	Yes / No Give details:
Are all tools and equipment in use in good condition?	Yes / No Give details: Satisfactory.
# Man bucket: Using for height work:	Not safe. Home made. Quality is not satisfactory. No certificate No docs regarding certification.
# Tool box meeting:	Not daily basis. Performing in weekly basis
Date(s) / Stages of next Site Safety Review(s), if required:	

SSR Approval

Signed: 07/01/2020 Engineer's Representative:	Signed: 07-01-2020 Md Abul Kalam Azad HSE Supervisor Contractor's Representative:	Date of this Safety Review: 07/01/2020
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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



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Site safety review

Project Title:	Dhaka Environmentally Sustainable Water Supply Project	Project No:	MM Proj. No: 346152 GWT Proj. No: 001464
Author:	Mst. Mehmoodul Hasan Robert		
Site:	Intake	Date:	08.01.2020

Site Safety Review Attendees:	
Name: Abul Kalam Azad Robert Hasan	Company / Designation: GWT SNC MDSC

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?	More than 4
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: No

Environmental Monitoring Checklist

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

Project Name DESNSP [P1] [P2] [P3.1] [P3.2] (Tick one)
 Contract Number:
 Name of Contractor: SUBZ
 Date: 25/06/2020 Location: WTP

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

2. INCIDENT:

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

2.1 Nature of incident - impact on: N/A

- 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

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

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, suitably located away from habitations and ecologically critical areas, khals and water bodies?	Y
2. Soil Management - Stockpiling and Excess Material	
Stockpiling of topsoil from productive agricultural lands are separate from other soils?	Y
Stockpiles are designed with slopes not exceeding 1:2, and not surcharged?	
Are stockpiles covered / greened to prevent erosion?	
Excess materials from the work are stored, re-used and disposed of as specified in the EMP?	Y
Are these storage areas maintained and kept clean?	Y
Location of disposal or management areas and source of excess material being disposed of is recorded?	Y
Are stockpiles located away from surface water to prevent siltation / turbidity of the water body?	Y
3. Work in, adjacent to, and over water bodies	
Sediment and other harmful materials and substances are not gaining entry to water courses, other water bodies?	Y

Environmental Monitoring Checklist

Item	Comments (Enter N/A if not relevant)
Work specified in watercourse, water bodies and their banks are following the EMP and environmental documentation? Use of geotextile bags or barriers if required?	N/A
Ensure temporary water passage systems and temporary water body crossings implemented have been sufficiently maintained to prevent deposition of silt or other materials? No vehicle movement through surface water bodies.	N/A
Disturbance, damage to water course or water body beds, banks, and bank vegetation is limited to that specified in the contract and environmental documentation	N
Any incidents of chemical spills, oil leaks or other ingress of potentially hazardous substances to surface water or ground water sources?	N
Earth works shall be limited to the construction sites, 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
Where required, storage for diesel tanks, skips for solid wastes, etc. are located on impermeable hard standing areas to mitigate any contamination of ground? Are these storage areas under a roof?	Y
Have there been instances of chemical spills or leaks on site? Have these been managed in the right way?	Y Yes, use spill kits.
Have there been any remediation works of the areas subjected to substances, or in the worst-case validation to remove contaminated soil from site?	N
Are chemicals, fuels, and other potentially hazardous substances being stored in purpose-designed safe areas at least 50m away from surface water sources?	Y
Are fuel bunds adequately managed and spill kits checked periodically and correctly stored and located?	Y
Are spill kits available in various locations around site, close to plant or equipment (fuel absorbent)?	Y
Fueling of construction machines in designated and sealed areas only.	Y, Found leaching @ Menard Camp
Car wash and wheel cleaning in designated areas only.	N/A
5. Work in, adjacent to areas of trees not designated for removal	
Trees not proposed to be cut, are suitably protected within the construction site, such as installation of tree guards?	Y
Entry of equipment, construction materials and excess materials to areas of trees not designated for removal is limited with protection measures in place?	Y
No cutting down of trees for fire wood and non – construction purposes	Y
Where will trees have to be felled for construction purposes?	N/A
How many trees will have to be felled? Is there need to cut these trees? Which kind of trees will be felled?	N/A
Have trees been replaced?	N/A
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)?	Y
Has dust been suppressed (water spray)? Are there any complaints from the local neighborhood?	Y, N

Environmental Monitoring Checklist

Item	Comments (Enter N/A if not relevant)
Is there a clear impact to pedestrian, vehicle traffic, adjacent residential, commercial and institutional properties?	N/A
Is the air quality on site and in the surrounding areas being monitored, ensuring compliance with DoE standards?	Y
Are the appropriate mitigation measures being undertaken?	Y
Noise and vibration from exposed work and from operations are being monitored and the appropriate control measures being undertaken on site to limit levels in accordance to DoE guidelines?	Y
Is plant in good condition and are checks undertaken to control air quality and noise levels?	Y
Air quality and noise monitoring register is kept up to date with records available on site?	Y
7. Maintenance of Local Traffic Access Patterns	
Local traffic access to residential, commercial, and institutional areas is properly managed?	N/A
Access of pedestrians to private, commercial and institutional property is maintained?	N/A
Management of local / construction traffic according to the traffic management plan	N/A
8. Waste Management	
Waste must be separated and stored in closed containers in designated areas	Y
Waste must be disposed by licensed company	Y
Disposal of waste must be recorded	Y
9. Sewage Management	
Is domestic sewage from the camp collected and treated (septic tanks)?	Y
Are toilets provided in appropriate numbers?	Y
Do toilets fit appropriate standards of hygiene (handwash, sanitizers)?	Y
Has the sewage sludge properly been disposed and recorded?	Y
10. Fire fighting	
Is firefighting equipment available on site (fire extinguishers, fire blankets)	Y
11. Management Plans	
The following plans must be available on site	Y
- Waste management plan	
- Traffic management plan	
- Sewage management plan	
- Firefighting and rescue plan	
- Disaster management plan	
12. Other issues	
Are there other issues identified and require control measures?	N/A
Training, awareness and competence of the environmental requirements have been provided to new staff as part of their induction process?	Y
A record of site inductions to staff available on site?	Y
No hunting of wild animals	Y

Environmental Monitoring Checklist

Date(s) / Stages of next Site Safety Review(s), if required:	
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ESR Approval

Signed:  Engineer's Representative:	Signed:  Contractor's Representative:	Date of this Safety Review: 25/06/2020 Thursday
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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

Md. Mahmudul Hasan Rahat
Environmental Inspector.
Name & Position

Consolidated Remarks if any:

a While filling the fuel tank at Menard camp, ~~proper~~
fuel drops through pipes.

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 SUBZ
 Date 14.06.2020 Location INTAKE

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

2. INCIDENT:

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

2.1 Nature of incident - impact on: N/A

- 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

2.2 Intervention Steps: Not Applicable / Applicable (Provide details) ✓

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, suitably located away from habitations and ecologically critical areas, khals and water bodies?	N/A
2. Soil Management - Stockpiling and Excess Material	
Stockpiling of topsoil from productive agricultural lands are separate from other soils?	Y
Stockpiles are designed with slopes not exceeding 1:2, and not surcharged?	Y
Are stockpiles covered / greened to prevent erosion?	Y
Excess materials from the work are stored, re-used and disposed of as specified in the EMP?	N/A
Are these storage areas maintained and kept clean?	SWDP batching plant not clean
Location of disposal or management areas and source of excess material being disposed of is recorded?	Y
Are stockpiles located away from surface water to prevent siltation / turbidity of the water body?	Y
3. Work in, adjacent to, and over water bodies	
Sediment and other harmful materials and substances are not gaining entry to water courses, other water bodies?	N

Environmental Monitoring Checklist

Item	Comments (Enter N/A if not relevant)
Work specified in watercourse, water bodies and their banks are following the EMP and environmental documentation? Use of geotextile bags or barriers if required?	N/A
Ensure temporary water passage systems and temporary water body crossings implemented have been sufficiently maintained to prevent deposition of silt or other materials? No vehicle movement through surface water bodies.	N/A
Disturbance, damage to water course or water body beds, banks, and bank vegetation is limited to that specified in the contract and environmental documentation	N
Any incidents of chemical spills, oil leaks or other ingress of potentially hazardous substances to surface water or ground water sources?	N
Earth works shall be limited to the construction sites, no informal storage of soil / excavations.	N
4. Contaminated land – storage of fuel and hazardous substances	
Do stored soils show any sign of contamination (waste, oil spill)?	N/A
Where required, storage for diesel tanks, skips for solid wastes, etc. are located on impermeable hard standing areas to mitigate any contamination of ground? Are these storage areas under a roof?	Y
Have there been instances of chemical spills or leaks on site? Have these been managed in the right way? Have there been any remediation works of the areas subjected to substances: or in the worst-case validation to remove contaminated soil from site?	N N/A N/A
Are chemicals, fuels, and other potentially hazardous substances being stored in purpose-designed safe areas at least 50m away from surface water sources?	Y
Are fuel bunds adequately managed and 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
Fueling of construction machines in designated and sealed areas only.	N/A
Car wash and wheel cleaning in designated areas only.	N/A
5. Work in, adjacent to areas of trees not designated for removal	
Trees not proposed to be cut, are suitably protected within the construction site, such as installation of tree guards?	N/A
Entry of equipment, construction materials and excess materials to areas of trees not designated for removal is limited with protection measures in place?	Y
No cutting down of trees for fire wood and non – construction purposes.	Y
Where will trees have to be felled for construction purposes?	N
How many trees will have to be felled? Is there need to cut these trees? Which kind of trees will be felled?	N/A
Have trees been replaced?	N
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)? Has dust been suppressed (water spray)? Are there any complaints from the local neighborhood?	N/A N/A

Environmental Monitoring Checklist


Item	Comments (Enter N/A if not relevant)
Is there a clear impact to pedestrian, vehicle traffic, adjacent residential, commercial and institutional properties?	N
Is the air quality on site and in the surrounding areas being monitored, ensuring compliance with DoE standards? Are the appropriate mitigation measures being undertaken?	Y N/A
Noise and vibration from exposed work and from operations are being monitored and the appropriate control measures being undertaken on site to limit levels in accordance to DoE guidelines?	N/A
Is plant in good condition and are checks undertaken to control air quality and noise levels?	N/A Y
Air quality and noise monitoring register is kept up to date with records available on site?	Y
7. Maintenance of Local Traffic Access Patterns	
Local traffic access to residential, commercial, and institutional areas is properly managed?	N/A
Access of pedestrians to private, commercial and institutional property is maintained?	N/A
Management of local / construction traffic according to the traffic management plan	N/A
8. Waste Management	
Waste must be separated and stored in closed containers in designated areas	N/A Y
Waste must be disposed by licensed company	N/A Y
Disposal of waste must be recorded	Y
9. Sewage Management	
Is domestic sewage from the camp collected and treated (septic tanks)?	Y
Are toilets provided in appropriate numbers?	Y
Do toilets fit appropriate standards of hygiene (handwash, sanitizers)?	Y
Has the sewage sludge properly been disposed and recorded?	Y
10. Fire fighting	
Is firefighting equipment available on site (fire extinguishers, fire blankets)	Y
11. Management Plans	
The following plans must be available on site	Y
- Waste management plan	
- Traffic management plan	
- Sewage management plan	
- Firefighting and rescue plan	
- Disaster management plan	
12. Other issues	
Are there other issues identified and require control measures?	COVID-19
Training, awareness and competence of the environmental requirements have been provided to new staff as part of their induction process?	Y
A record of site inductions to staff available on site?	Y
No hunting of wild animals	N

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Environmental Monitoring Checklist

Date(s) / Stages of next Site Safety Review(s), if required:	
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ESR Approval

Signed: 	Signed: 	Date of this Safety Review: Sunday 14.06.2020
Engineer's Representative:	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



Name & Position

Consolidated Remarks if any

Water logging at temporary sewage treatment plant at GWT office facilities area, temporary storage area where water logged at generator base and in SWDP batching plant.

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 SUGE
 Date 25/06/2020 Location INTAKE

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

2. INCIDENT:

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

2.1 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

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

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, suitably located away from habitations and ecologically critical areas, khals and water bodies?	Y
2. Soil Management - Stockpiling and Excess Material	
Stockpiling of topsoil from productive agricultural lands are separate from other soils? Stockpiles are designed with slopes not exceeding 1:2, and not surcharged?	Y
Are stockpiles covered / grooved to prevent erosion?	Y
Excess materials from the work are stored, re-used and disposed of as specified in the EMP? Are these storage areas maintained and kept clean?	Y
Location of disposal or management areas and source of excess material being disposed of is recorded?	Y
Are stockpiles located away from surface water to prevent siltation / turbidity of the water body?	Y
3. Work in, adjacent to, and over water bodies	
Sediment and other harmful materials and substances are not gaining entry to water courses, other water bodies?	Y

Environmental Monitoring Checklist

Item	Comments (Enter N/A if not relevant)
Work specified in watercourse, water bodies and their banks are following the EMP and environmental documentation? Use of geotextile bags or barriers if required?	Sack bag is using instead of geotextile
Ensure temporary water passage systems and temporary water body crossings implemented have been sufficiently maintained to prevent deposition of silt or other materials? No vehicle movement through surface water bodies.	Y
Disturbance, damage to water course or water body beds, banks, and bank vegetation is limited to that specified in the contract and environmental documentation	Y
Any incidents of chemical spills, oil leaks or other ingress of potentially hazardous substances to surface water or ground water sources?	N
Earth works shall be limited to the construction sites, 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
Where required, storage for diesel tanks, skips for solid wastes, etc. are located on impermeable hard standing areas to mitigate any contamination of ground? Are these storage areas under a roof?	Y Need to take more cover
Have there been instances of chemical spills or leaks on site? Have these been managed in the right way?	Y Y
Have there been any remediation works of the areas subjected to substances, or in the worst-case validation to remove contaminated soil from site?	N/A
Are chemicals, fuels, and other potentially hazardous substances being stored in purpose-designed safe areas at least 50m away from surface water sources?	Y
Are fuel bunds adequately managed and spill kits checked periodically and correctly stored and located?	Y
Are spill kits available in various locations around site, close to plant or equipment (fuel absorbent)?	Y
Fueling of construction machines in designated and sealed areas only.	N/A - No works
Car wash and wheel cleaning in designated areas only.	N/A
5. Work in, adjacent to areas of trees not designated for removal	
Trees not proposed to be cut, are suitably protected within the construction site, such as installation of tree guards?	Y
Entry of equipment, construction materials and excess materials to areas of trees not designated for removal is limited with protection measures in place?	Y
No cutting down of trees for fire wood and non – construction purposes	Y
Where will trees have to be felled for construction purposes?	N/A
How many trees will have to be felled? Is there need to cut these trees? Which kind of trees will be felled?	N/A
Have trees been replaced?	N
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)? Has dust been suppressed (water spray)? Are there any complaints from the local neighborhood?	N/A No dust as frequent rains



Environmental Monitoring Checklist

Item	Comments (Enter N/A if not relevant)
Is there a clear impact to pedestrian, vehicle traffic, adjacent residential, commercial and institutional properties?	N/A
Is the air quality on site and in the surrounding areas being monitored, ensuring compliance with DoE standards?	Y
Are the appropriate mitigation measures being undertaken?	Y
Noise and vibration from exposed work and from operations are being monitored and the appropriate control measures being undertaken on site to limit levels in accordance to DoE guidelines?	Y
Is plant in good condition and are checks undertaken to control air quality and noise levels?	Y
Air quality and noise monitoring register is kept up to date with records available on site?	Y
7. Maintenance of Local Traffic Access Patterns	
Local traffic access to residential, commercial, and institutional areas is properly managed?	N/A
Access of pedestrians to private, commercial and institutional property is maintained?	N/A
Management of local / construction traffic according to the traffic management plan	Y
8. Waste Management	
Waste must be separated and stored in closed containers in designated areas	Y
Waste must be disposed by licensed company	Y
Disposal of waste must be recorded	Y
9. Sewage Management	
Is domestic sewage from the camp collected and treated (septic tanks)?	Y
Are toilets provided in appropriate numbers?	Y
Do toilets fit appropriate standards of hygiene (handwash, sanitizers)?	Y
Has the sewage sludge properly been disposed and recorded?	Y
10. Fire fighting	
Is firefighting equipment available on site (fire extinguishers, fire blankets)	Y
11. Management Plans	
The following plans must be available on site	Y
- Waste management plan	
- Traffic management plan	
- Sewage management plan	
- Firefighting and rescue plan	
- Disaster management plan	
12. Other issues	
Are there other issues identified and require control measures?	Y
Training, awareness and competence of the environmental requirements have been provided to new staff as part of their induction process?	N/A
A record of site inductions to staff available on site?	Y
No hunting of wild animals	Y


Environmental Monitoring Checklist

Date(s) / Stages of next Site Safety Review(s), if required:	
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ESR Approval

Signed: Md. Mahmoodul Hasan Rahat  Engineer's Representative	Signed:  Contractor's Representative	Date of this Safety Review: 25/06/2020
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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 

Environmental Inspector

Name & Position

Consolidated Remarks if any:

- 1 Due to collapse of soil near water courses, sedimentation is following to water course and gaining of soil. Need to take action from soil gaining.
- 2 Sack bag is used for filling/repairing bank protection at entry road. Use of geotextile bags or barriers required.

E.2 H&S checklists,

Site safety review

Item	Comments (Enter N/A if not relevant)
Are signed and approved permits in place for high-risk activities?	Yes / No / NA Give details: ←
3. PPE	
Are all personnel on site wearing appropriate PPE? Minimum on construction site: safety helmet, safety footwear, hi-vis vest, glasses & gloves	Yes / No Give details: ✓
Is the appropriate PPE being worn for the task: <ul style="list-style-type: none"> - Working at height – safety harnesses <i>N/A used</i> - >85dB - Hearing protection ✓ - Dust, fumes or toxic gases – respiratory protection <i>N/A</i> - Other tasks with permit specific PPE (give details) 	Yes / No Give details: <i>N/A</i>
4. Welfare Facilities	
Is a supply of clean drinking water readily available for everyone on site?	Yes / No Give details: ✓
Are sufficient toilet facilities available: <ul style="list-style-type: none"> - For men - For women 	Yes / No Give details: ✓
Are toilet facilities well lit, ventilated, clean and hygienic?	Yes / No Give details: <i>not at good condition except Menard</i>
Are sufficient hand washing facilities provided including soap and hot water?	Yes / No Give details: →
Are areas for eating provided including provision for keeping chilled food?	Yes / No Give details: <i>N/A</i>
5. Site Security & Housekeeping	
Is the site compound adequately fenced to prevent unauthorised access, with warning and information signs?	Yes / No Give details: <i>North side is open to add encroacher sees</i>



Site safety review

Item	Comments (Enter N/A if not relevant)
Are members of the public, such as people passing by the site, protected e.g. from falling materials, moving machines?	Yes / No Give details: ✓
Are appropriate safety signs in place e.g. traffic routes, authorised personnel, PPE?	Yes / No Give details: ✓
Is the site tidy and well laid out? E.g. pathways are clear, no rubbish, no tools / equipment lying about.	Yes / No Give details: ✓
Are materials and equipment stored correctly and orderly?	Yes / No Give details: ✓
5. First Aid	
Are First-Aid facilities in place and do workers know where they are?	Yes / No Give details: ✓
Are trained first aiders available on site / nearby?	Yes / No Give details: ✓
6. Fire Safety	
Is there an evacuation plan in place and is it understood by all employees?	Yes / No Give details: —
Are muster points clearly signposted?	Yes / No Give details: —
Are extinguishers in place, clearly marked for type of fire and easily accessible?	Yes / No Give details: ✓

Site safety review

Item	Comments (Enter N/A if not relevant)
Are designated smoking areas provided away from flammable materials?	Yes / No Give details: ✓
Is smoking confined to designated areas? Answer is no if anyone is seen smoking outside of designated areas.	Yes / No Give details: ✓ <i>none</i>
7. Traffic Management	
Are pedestrian and vehicle routes clearly marked?	Yes / No Give details: ✓
Is adequate parking in a designated area provided for vehicles?	Yes / No Give details: ✓
8. Excavations	
Is a permit to dig in place?	Yes / No Give details: ✓ <i>N/A</i>
Are excavations supported or profiled safely as per the approved method statement?	Yes / No Give details: <i>N/A</i>
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.	Yes / No Give details: <i>N/A</i>
Are barriers in place to prevent people falling into the excavation and keep materials, plant and equipment away from the edges?	Yes / No Give details: ✓
9. Plant and Equipment	
Is access to the working area restricted to those involved in forklift, crane and other plant operations?	Yes / No Give details: <i>N/A</i>



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Site safety review

Item	Comments (Enter N/A if not relevant)
Is a lift plan in place for any lifting operations?	Yes / No Give details: N/A
Are records available of weekly inspections for cranes including details of the safe working load?	Yes / No Give details: ✓
Are all tools and equipment in use in good condition?	Yes / No Give details: ✓
□ Reflective tape should use at Intake of shore boundary.	
□ No flag man is at entry point of intake	
□ Unauthorized people enters at site through North-east point	

Date(s) / Stages of next Site Safety Review(s), if required:

SSR Approval

Signed:  Engineer's Representative:	Signed:  Md Abul Kalam Azad Contractor's Representative:	Date of this Safety Review:
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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



Site safety review

Project Title:	Dhaka Environmentally Sustainable Water Supply Project	Project No:	MM Proj. No: 346152 GWT Proj. No: 001464
Author:	Md. Mahmudul Hasan Rahat		
Site:	INTAGE	Date:	15.01.2020

Site Safety Review Attendees:	
Name: Rahat Hasan Abyal Hossain	Company / Designation: MDSL, Engr. Inspector HSE Manager, SDWP

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?	N/A
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: —

Site safety review

Item	Comments (Enter N/A if not relevant)
3. PPE	
Are all personnel on site wearing minimum mandatory PPE on site? i.e. safety helmet, safety footwear, hi-vis vest	Yes / No Give details: <input checked="" type="checkbox"/>
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) 	Yes / No Give details: <input checked="" type="checkbox"/>
4. Welfare Facilities	
Is a supply of clean drinking water readily available for everyone on site?	Yes / No Give details: <input checked="" type="checkbox"/>
Are sufficient toilet facilities available: <ul style="list-style-type: none"> - For men - For women 	Yes / No Give details: <i>Have to carry water from outside</i>
Are toilet facilities well lit, ventilated, clean and hygienic?	Yes / No Give details: <input checked="" type="checkbox"/>
Are sufficient hand washing facilities provided including soap and hot water?	Yes / No Give details: <input checked="" type="checkbox"/>
Are areas for eating provided including provision for keeping chilled food?	Yes / No Give details: <input checked="" type="checkbox"/>
5. Site Security & Housekeeping	
Is the site compound adequately fenced to prevent unauthorised access, with warning and information signs?	Yes / No Give details: <input checked="" type="checkbox"/>
Are members of the public, such as people passing by the site, protected e.g. from falling materials, moving machines?	Yes / No Give details: <input checked="" type="checkbox"/>

Site safety review

Item	Comments (Enter N/A if not relevant)
Are appropriate safety signs in place e.g. traffic routes, authorised personnel, PPE?	Yes / No Give details: <u>—</u> <i>Hearing protection skin not wearing by</i>
Is the site tidy and well laid out? E.g. pathways are clear, no rubbish, no tools / equipment lying about.	Yes / No Give details: <u>—</u> <i>Equipment (brick bat, rod, cement bag, electrical wiring) are not falling around</i>
Are materials and equipment stored correctly and orderly?	Yes / No Give details: <u>—</u>
6. First Aid	
Are First-Aid facilities in place and do workers know where they are?	Yes / No Give details: <u>—</u>
Are trained first aiders available on site / nearby?	Yes / No Give details: <u>—</u>
7. Fire Safety	
Is there an evacuation plan in place and is it understood by all employees?	Yes / No Give details: <u>—</u> <i>Not displayed.</i>
Are muster points clearly signposted?	Yes / No Give details: <u>—</u>
Are extinguishers in place, clearly marked for type of fire and easily accessible?	Yes / No Give details: <u>—</u>
Are designated smoking areas provided away from flammable materials?	Yes / No Give details: <u>—</u>

Site safety review

Item	Comments (Enter N/A if not relevant)
Is smoking confined to designated areas? Answer is no if anyone is seen smoking outside of designated areas.	Yes / No Give details: Menard guy is smoking at DSM area
8. Traffic Management	
Are pedestrian and vehicle routes clearly marked?	Yes / No Give details: —
Is adequate parking in a designated area provided for vehicles?	Yes / No Give details: —
9. Excavations	
Is a permit to dig in place?	Yes / No N/A Give details:
Are excavations supported or profiled safely as per the approved method statement?	Yes / No N/A 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.	Yes / No N/A Give details:
Are barriers in place to prevent people falling into the excavation and keep materials, plant and equipment away from the edges?	Yes / No N/A Give details:
10. Plant and Equipment	
Are there appropriate safety measures in place for plant operations: e.g. cordoned areas, bankspeople.	Yes / No Give details: —
Is a lift plan in place for any lifting operations?	Yes / No Give details:

Site safety review

Item	Comments (Enter N/A if not relevant)
Are records available of weekly inspections for cranes including details of the safe working load?	Yes / No Give details: —
Are all tools and equipment in use in good condition?	Yes / No Give details: —
A worker of DSM area is smoking on site.	
Unstable storage is found at DSM area	
Working at height without fixing harness, also missing edge protection.	
Ladder is not screened and not secured.	
Date(s) / Stages of next Site Safety Review(s), if required:	

SSR Approval

Signed:  Engineer's Representative:	Signed: Contractor's Representative:	Date of this Safety Review:
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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



Site safety review

Project Title:	Dhaka Environmentally Sustainable Water Supply Project	Project No:	MM Proj. No: 346152 GWT Proj. No: 001464
Author:	MD. HIZANUR RAHMAN		
Site:	WTP	Date:	16-01-2020

Site Safety Review Attendees:	
Name:	Company / Designation:
Syed Ejazul Karim	MDSC / DRE
MD. HIZANUR RAHMAN	MDSC / ARE
Abul Kalam Azad	GWT / HSE Supervisor
Mr. Imam	CANCE / HSE Manager
Mr. Anwar	CANCE / Safety Engineer

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 Still Pending
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? <i>Every Monday</i>	✓ Yes / No
2. Reporting & Records	
How many safety observations have been recorded today?	5 Nts. (Recording system to be improved)
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: Still Pending

Site safety review

Item	Comments (Enter N/A if not relevant)
Are signed and approved permits in place for high-risk activities?	Yes / No / NA Give details: Still working on it.
3. PPE	
Are all personnel on site wearing appropriate PPE? Minimum on construction site: safety helmet, safety footwear, hi-vis vest, glasses & gloves	Yes / No Give details: Improving day by day.
Is the appropriate PPE being worn for the task: <ul style="list-style-type: none"> - Working at height – safety harnesses - >85dB - Hearing protection - Dust, fumes or toxic gases – respiratory protection - Other tasks with permit specific PPE (give details) 	Yes / No Give details: Need to be improved
4. Welfare Facilities	
Is a supply of clean drinking water readily available for everyone on site?	Yes / No Give details:
Are sufficient toilet facilities available: <ul style="list-style-type: none"> - For men – 5 Nos. - For women – 2 Nos. (Previous damaged one reinstalled)	Yes / No Give details:
Are toilet facilities well lit, ventilated, clean and hygienic? Yes No	Yes / No Give details: Not satisfactory.
Are sufficient hand washing facilities provided including soap and hot water?	Yes / No Give details:
Are areas for eating provided including provision for keeping chilled food?	Yes / No Give details: Local people go outside the project area.
5. Site Security & Housekeeping	
Is the site compound adequately fenced to prevent unauthorised access, with warning and information signs?	Yes / No Give details: Erosion canal side pending.

Site safety review

Item	Comments (Enter N/A if not relevant)
Are members of the public, such as people passing by the site, protected e.g. from falling materials, moving machines?	<p>✓ Yes / No</p> <p>Give details:</p>
Are appropriate safety signs in place e.g. traffic routes, authorised personnel, PPE?	<p>Yes / No</p> <p>Give details: <i>Not sufficient (Improving)</i></p>
Is the site tidy and well laid out? E.g. pathways are clear, no rubbish, no tools / equipment lying about.	<p>Yes / No</p> <p>Give details: <i>Satisfactory</i></p>
Are materials and equipment stored correctly and orderly?	<p>Yes / No</p> <p>Give details: <i>Meeting min^m requirement.</i></p>
5. First Aid	
Are First-Aid facilities in place and do workers know where they are?	<p>Yes / No</p> <p>Give details: <i>One first aid box by one first aiders for approx. 150 nos. workers.</i></p>
Are trained first aiders available on site / nearby?	<p>✓ Yes / No</p> <p>Give details:</p>
6. Fire Safety	
Is there an <u>evacuation plan in place</u> and is it understood by all employees?	<p>Yes / No</p> <p>Give details: <i>Still working on it. Implemented very soon.</i></p>
Are muster points clearly signposted?	<p>✓ Yes / No</p> <p>Give details: <i>But insufficient in numbers.</i></p>
Are extinguishers in place, clearly marked for type of fire and easily accessible? <i>39 nos.</i>	<p>Yes / No</p> <p>Give details: <i>Have to put in box and hanged in wall.</i></p>

Site safety review

Item	Comments (Enter N/A if not relevant)
Are designated smoking areas provided away from flammable materials? (3 zones.)	✓ Yes / No Give details:
Is smoking confined to designated areas? Answer is no if anyone is seen smoking outside of designated areas.	Yes / No Give details: Meeting min ^m requirement.
7. Traffic Management	
Are pedestrian and vehicle routes clearly marked?	✓ Yes / No Give details:
Is adequate parking in a designated area provided for vehicles? No temp parking for COMEA yet (is in designing progress)	Yes / No <i>Temp. site facilities</i> Give details: Permanent parking (57) is in progress for accom. area.
8. Excavations	
Is a permit to dig in place? (Now there is no excavation at site)	Yes / No Give details: Not yet implemented.
Are excavations supported or profiled safely as per the <u>approved</u> method statement? ↑ No	Yes / No Give details: N/A for now.
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.	Yes / No Give details: N/A for now.
Are barriers in place to prevent people falling into the excavation and keep materials, plant and equipment away from the edges?	Yes / No Give details: N/A for now.
9. Plant and Equipment	
Is access to the working area restricted to those involved in forklift, crane and other plant operations?	✓ Yes / No Give details:




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Site safety review

Item	Comments (Enter N/A if not relevant)
Is a lift plan in place for any lifting operations?	✓ Yes / No Give details:
Are records available of weekly inspections for cranes including details of the safe working load?	✓ Yes / No Give details:
Are all tools and equipment in use in good condition?	Yes / No Give details: <i>Satisfactory.</i>
<i># Man basket for height work</i>	<i>not yet improved from last week visit.</i>
<i># Tool box meeting</i>	<i>Performing weekly basis but not daily basis.</i>

Date(s) / Stages of next Site Safety Review(s), if required:

SSR Approval

Signed:  16/01/2020 Engineer's Representative:	Signed:  16-01-2020 Contractor's Representative: Md Abul Kalam Azad	Date of this Safety Review: 16-01-2020
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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



Site safety review

Project Title:	Dhaka Environmentally Sustainable Water Supply Project	Project No:	MM Proj. No: 346152 GWT Proj. No: 001464
Author:	MD. MIRAZUR RAHMAN		
Site:	WTP	Date:	2020-01-23

Site Safety Review Attendees:	
Name: Md. Mehazab Hossain Md. Mirazur Rahman	Company / Designation: EMM, EI. Contract HSE manager MDSC / ARE

Mr. Syed Ejazul Karim	MDSC / DRE
Mr. Anwar Mr. Tareq	CANCE / Safety Engg CANCE / HSE Manager

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 Not yet implemented.
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? till now 02+06 08=08 (at 11:00 am)	
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: NA Yet approved

Site safety review

Item	Comments (Enter N/A if not relevant)
Arc signed and approved permits in place for high-risk activities?	Yes / No / NA Give details: ✓
3. PPE	
Are all personnel on site wearing appropriate PPE? Minimum on construction site: safety helmet, safety footwear, hi-vis vest, glasses & gloves	Yes / No Give details: ✓
Is the appropriate PPE being worn for the task: <ul style="list-style-type: none"> - Working at height – safety harnesses - >85dB - Hearing protection - Dust, fumes or toxic gases – respiratory protection - Other tasks with permit specific PPE (give details) 	Yes / No Give details: Y N N/A
4. Welfare Facilities	
Is a supply of clean drinking water readily available for everyone on site?	Yes / No Give details: ✓
Are sufficient toilet facilities available: <ul style="list-style-type: none"> - For men - For women 	Yes / No Give details: ✓
Are toilet facilities well lit, ventilated, clean and hygienic?	Yes / No Give details: ✓
Are sufficient hand washing facilities provided including soap and hot water?	Yes / No Give details: ✓
Are areas for eating provided including provision for keeping chilled food?	Yes / No Give details: Local worker go outside Chinese inside WTP
5. Site Security & Housekeeping	
Is the site compound adequately fenced to prevent unauthorised access, with warning and information signs?	Yes / No Give details: East side is open.

Site safety review

Item	Comments (Enter N/A if not relevant)
Are members of the public, such as people passing by the site, protected e.g. from falling materials, moving machines?	✓ Yes / No Give details: —
Are appropriate safety signs in place e.g. traffic routes, authorised personnel, PPE?	✓ Yes / No Give details: Need to A2 size
Is the site tidy and well laid out? E.g. pathways are clear, no rubbish, no tools / equipment lying about.	✓ Yes / No Give details: —
Are materials and equipment stored correctly and orderly?	✓ Yes / No Give details: —
5. First Aid	
Are First-Aid facilities in place and do workers know where they are?	✓ Yes / No Give details: Need to update in 10 days
Are trained first aiders available on site / nearby?	Yes / No Give details: —
6. Fire Safety	
Is there an <u>evacuation plan</u> in place and is it understood by all employees?	✓ Yes / No Give details: —
Are muster points clearly signposted?	✓ Yes / No Give details: —
Are extinguishers in place, clearly marked for type of fire and easily accessible?	✓ Yes / No Give details: Have to put in box

Site safety review

Item	Comments (Enter N/A if not relevant)
Are designated smoking areas provided away from flammable materials?	✓ Yes / No Give details: —
Is smoking confined to designated areas? Answer is no if anyone is seen smoking outside of designated areas.	✓ Yes / No Give details: —
7. Traffic Management	
Are pedestrian and vehicle routes clearly marked?	✓ Yes / No Give details: —
Is adequate parking in a designated area provided for vehicles?	Yes / No Give details: — <i>parking construction is in progress @ near GH 56 area.</i>
8. Excavations	
Is a permit to dig in place?	Yes / No ✓ Give details: —
Are excavations supported or profiled safely as per the approved method statement?	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.	✓ 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?	✓ Yes / No Give details: —
9. Plant and Equipment	
Is access to the working area restricted to those involved in forklift, crane and other plant operations?	✓ Yes / No Give details: —

Site safety review

Item	Comments (Enter N/A if not relevant)
Is a lift plan in place for any lifting operations?	✓ Yes / No Give details: —
Are records available of weekly inspections for cranes including details of the safe working load?	✓ Yes / No Give details: —
Are all tools and equipment in use in good condition?	Yes / No Give details: — <i>Not for all Improving</i>
<i>Man basket: Commented on previous review</i>	<i>NOT rejected that one & instructed CAME to buy a new one that is certified.</i>

Date(s) / Stages of next Site Safety Review(s), if required:	
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SSR Approval

Signed:  Engineer's Representative:	Signed:  Contractor's Representative:	Date of this Safety Review: 2020-01-23
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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

Site safety review

Project Title:	Dhaka Environmentally Sustainable Water Supply Project	Project No:	MM Proj. No: 346152 GWT Proj. No: 001464
Author:	Md. Mahomedul Hasan Rabat		
Site:	WTP	Date:	10.02.2020

Site Safety Review Attendees:	
Name: M. Hasan Rabat Nurkeel Ulohefina	Company / Designation: EMM, E.E. Genl. Supt, HSE Manager.

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 only Menard
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?	12+
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: NA placed yet
Are signed and approved permits in place for high-risk activities?	Yes / No / NA Give details: Approvals should be provide for machine operations for lifting equipments.

Site safety review

Item	Comments (Enter N/A if not relevant)
3. PPE	
Are all personnel on site wearing minimum mandatory PPE on site? i.e. safety helmet, safety footwear, hi-vis vest	Yes / No Give details: <input checked="" type="checkbox"/>
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) 	Yes / No Give details: Dust found on drive ways of east side of NTP area
4. Welfare Facilities	
Is a supply of clean drinking water readily available for everyone on site?	Yes / No Give details: <input checked="" type="checkbox"/>
Are sufficient toilet facilities available: <ul style="list-style-type: none"> - For men - For women 	Yes / No Give details: <input checked="" type="checkbox"/>
Are toilet facilities well lit, ventilated, clean and hygienic?	Yes / No Give details: But need to improve of Jar B Post.
Are sufficient hand washing facilities provided including soap and hot water?	Yes / No Give details: <input checked="" type="checkbox"/>
Are areas for eating provided including provision for keeping chilled food?	Yes / No Give details: N/A
5. Site Security & Housekeeping	

Site safety review

Item	Comments (Enter N/A if not relevant)
Is the site compound adequately fenced to prevent unauthorised access, with warning and information signs?	Yes / No — Give details:
Are members of the public, such as people passing by the site, protected e.g. from falling materials, moving machines?	Yes / No — Give details:
Are appropriate safety signs in place e.g. traffic routes, authorised personnel, PPE?	Yes / No — Give details:
Is the site tidy and well laid out? E.g. pathways are clear, no rubbish, no tools / equipment lying about.	Yes / No — Give details: <i>There is some open area where no safety barriers at entry of guard room.</i>
Are materials and equipment stored correctly and orderly?	Yes / No — Give details: <i>But needs to improve</i>
6. First Aid	
Are First-Aid facilities in place and do workers know where they are?	Yes / No — Give details:
Are trained first aiders available on site / nearby?	Yes / No — Give details:
7. Fire Safety	

Site safety review

Item	Comments (Enter N/A if not relevant)
Is there an evacuation plan in place and is it understood by all employees?	Yes / No Give details: _____
Are muster points clearly signposted?	Yes / No Give details: _____
Are extinguishers in place, clearly marked for type of fire and easily accessible?	Yes / No Give details: _____
Are designated smoking areas provided away from flammable materials?	Yes / No Give details: _____
Is smoking confined to designated areas? Answer is no if anyone is seen smoking outside of designated areas.	Yes / No Give details: <i>But a man seen smoking near guard house without PPE.</i>
8. Traffic Management	
Are pedestrian and vehicle routes clearly marked?	Yes / No Give details: _____
Is adequate parking in a designated area provided for vehicles?	Yes / No Give details: _____
9. Excavations	
Is a permit to dig in place?	Yes / No Give details: _____
Are excavations supported or profiled safely as per the approved method statement?	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.	Yes / No Give details: _____

Site safety review

Item	Comments (Enter N/A if not relevant)
Are barriers in place to prevent people falling into the excavation and keep materials, plant and equipment away from the edges?	Yes / No Give details:
10. Plant and Equipment	
Are there appropriate safety measures in place for plant operations, e.g. cordoned areas, banks people,	Yes / No Give details:
Is a lift plan in place for any lifting operations?	Yes / No Give details: <i>Lifting of Pile cage is not appropriate for DSM</i>
Are records available of weekly inspections for cranes including details of the safe working load?	Yes / No Give details: <i>Please provide the details.</i>
Are all tools and equipment in use in good condition?	Yes / No Give details:

Date(s) / Stages of next Site Safety Review(s), if required:	
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Site safety review

SSR Approval

Signed:  Engineer's Representative:	Signed:  Contractor's Representative:	Date of this Safety Review: February 10, 2020.
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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

Site safety review

Project Title:	Dhaka Environmentally Sustainable Water Supply Project	Project No:	MM Proj. No: 346152 GWT Proj. No: 001464
Author:	EMMA STANLEY		
Site:	INTAKE	Date:	12/02/20

Site Safety Review Attendees:	
Name: NWOKEDI UCHIEFUNA	Company / Designation: GWSINC / HSE Manager

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.	<input checked="" type="radio"/> Yes / <input type="radio"/> No GWT gave guidelines for more precise reporting.
Were you given a site induction / daily briefing on arrival at site? - First time on site: YES	Yes / No
Have all operatives on site had a full HS induction? Are records of their training available?	<input checked="" type="radio"/> Yes / <input type="radio"/> No
Has a weekly health and safety briefing been held this week? Is a record available of attendance? Regular TBT by S/C. Weekly TBT all together.	<input checked="" type="radio"/> Yes / <input type="radio"/> No
2. Reporting & Records	
How many safety observations have been recorded today?	~ 12-13 before meeting
Is there a log of safety observations and incidents available on site?	<input checked="" type="radio"/> Yes / <input type="radio"/> No
Are approved method statements in place for all work activities? now have translator for chinese docs, so should improve. others are pending e.g. offshore intake	<input checked="" type="radio"/> Yes / <input type="radio"/> No Give details:
Are signed and approved permits in place for high-risk activities? menard have risk assessments, but not permit. shandong permits are lacking. GWT are working to produce standard forms. GWT are going to employ a permit coordinator.	Yes / <input checked="" type="radio"/> No / NA Give details:

Site safety review

Item	Comments (Enter N/A if not relevant)
3. PPE	
Are all personnel on site wearing minimum mandatory PPE on site? i.e. safety helmet, safety footwear, hi-vis vest	<input checked="" type="radio"/> Yes / <input type="radio"/> No Give details:
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) 	<input checked="" type="radio"/> Yes / <input type="radio"/> No Give details: GWT M&S officer addressed a couple of issues on site today. (No face protection for welding, grinding, gas cutting)
4. Welfare Facilities	
Is a supply of clean drinking water readily available for everyone on site?	<input checked="" type="radio"/> Yes / <input type="radio"/> No Give details:
Are sufficient toilet facilities available: <ul style="list-style-type: none"> - For men - For women 	<input checked="" type="radio"/> Yes / <input type="radio"/> No Give details: Portable toilets being phased out.
Are toilet facilities well lit, ventilated, clean and hygienic? Pipe for pit latrines to be extended (but will be phased out).	<input checked="" type="radio"/> Yes / <input type="radio"/> No Give details: 'Permanent' facilities in good condition
Are sufficient hand washing facilities provided including soap and hot water? Mott accommodation supplies to be confirmed by site manager with camp facility managers.	<input checked="" type="radio"/> Yes / <input type="radio"/> No Give details: Permanent, shared facilities do. Portable female doesn't, but only ladies are with GWT (use GWT facilities).
Are areas for eating provided including provision for keeping chilled food?	<input checked="" type="radio"/> Yes / <input type="radio"/> No Give details:
5. Site Security & Housekeeping	
Is the site compound adequately fenced to prevent unauthorised access, with warning and information signs?	<input checked="" type="radio"/> Yes / <input type="radio"/> No Give details:
Are members of the public, such as people passing by the site, protected e.g. from falling materials, moving machines?	<input checked="" type="radio"/> Yes / <input type="radio"/> No Give details:

Site safety review

Item	Comments (Enter N/A if not relevant)
Are appropriate safety signs in place e.g. traffic routes, authorised personnel, PPE?	<input checked="" type="radio"/> Yes / <input type="radio"/> No Give details:
Is the site tidy and well laid out? E.g. pathways are clear, no rubbish, no tools / equipment lying about.	<input checked="" type="radio"/> Yes / <input type="radio"/> No Give details:
Are materials and equipment stored correctly and orderly?	<input checked="" type="radio"/> Yes / <input type="radio"/> No Give details:
6. First Aid	
Are First-Aid facilities in place and do workers know where they are?	<input checked="" type="radio"/> Yes / <input type="radio"/> No Give details:
Are trained first aiders available on site / nearby?	<input checked="" type="radio"/> Yes / <input type="radio"/> No Give details: Have a clinic
7. Fire Safety	
Is there an evacuation plan in place and is it understood by all employees?	<input checked="" type="radio"/> Yes / <input type="radio"/> No Give details: to be improved further as the site changes.
Are muster points clearly signposted?	<input checked="" type="radio"/> Yes / <input type="radio"/> No Give details:
Are extinguishers in place, clearly marked for type of fire and easily accessible?	<input checked="" type="radio"/> Yes / <input type="radio"/> No Give details:
Are designated smoking areas provided away from flammable materials?	<input checked="" type="radio"/> Yes / <input type="radio"/> No Give details:

Site safety review

Item	Comments (Enter N/A if not relevant)
Is smoking confined to designated areas? Answer is no if anyone is seen smoking outside of designated areas.	<input checked="" type="radio"/> Yes / No Give details:
8. Traffic Management	
Are pedestrian and vehicle routes clearly marked?	Yes / <input checked="" type="radio"/> No Give details: Not currently due to change in site. GWT to implement.
Is adequate parking in a designated area provided for vehicles?	<input checked="" type="radio"/> Yes / No Give details:
9. Excavations N/A at this time	
Is a permit to dig in place?	Yes / No N/A Give details:
Are excavations supported or profiled safely as per the approved method statement?	Yes / No N/A 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.	Yes / No N/A Give details:
Are barriers in place to prevent people falling into the excavation and keep materials, plant and equipment away from the edges?	Yes / No N/A Give details:
10. Plant and Equipment	
Are there appropriate safety measures in place for plant operations, e.g. cordoned areas, bankspeople,	<input checked="" type="radio"/> Yes / No Give details: Non-essential people instructed to not be near plant.
Is a lift plan in place for any lifting operations?	<input checked="" type="radio"/> Yes / No Give details: Done, but not formal (handwritten). GWT H&S supervisor to issue a standard form for simple lift.

Site safety review

Item	Comments (Enter N/A if not relevant)
Are records available of weekly inspections for cranes including details of the safe working load?	<input checked="" type="radio"/> Yes <input type="radio"/> No Give details: GWT H&S supervisor to issue a standard form.
Are all tools and equipment in use in good condition?	<input checked="" type="radio"/> Yes <input type="radio"/> No Give details: GWT H&S supervisor addressing items of poor condition.

Date(s) / Stages of next Site Safety Review(s), if required:	
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SSR Approval

Signed:  Engineer's Representative: EMMA STANLEY	Signed:  Contractor's Representative:	Date of this Safety Review: 12/02/20.
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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.

Site safety review

Project Title:	Dhaka Environmentally Sustainable Water Supply Project	Project No:	MM Proj. No: 346152 GWT Proj. No: 001464
Author:	MD. MIZANUR RAHMAN		
Site:	WTP	Date:	18-02-2020

Site Safety Review Attendees:	
Name:	Company / Designation:
MD. MIZANUR RAHMAN	MDS/ARE
Mr. KEDI	GWT/HSE MANAGER
Mr. Yong	CANCE/HSE MONITOR.

Item	Comments (Enter N/A if not relevant)
1. Induction & Inspections	
Is there an accurate <u>record</u> of all persons on site? E.g. signing in log book.	Yes / No Used individual forms. Unique form will be used very soon.
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 <u>weekly</u> health and safety briefing been held this week? Is a record available of attendance? (MONDAY)	Yes / No
2. Reporting & Records	
How many safety observations have been recorded today?	20 (7 notified) already
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: Have in Chinese language. Now translating into English.
Are signed and approved permits in place for high-risk activities?	Yes / No / NA Give details:

Site safety review

Item	Comments (Enter N/A if not relevant)
3. PPE	
Are all personnel on site wearing minimum mandatory PPE on site? i.e. safety helmet, safety footwear, hi-vis vest	✓ Yes / No Give details:
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) 	Yes / No Give details: <i>Satisfactory.</i>
4. Welfare Facilities	
Is a supply of clean drinking water readily available for everyone on site?	✓ Yes / No Give details:
Are sufficient toilet facilities available: <ul style="list-style-type: none"> - For men – <i>05</i> - For women – <i>(In MENARD AREA)</i> 	✓ Yes / No Give details:
Are toilet facilities well lit, ventilated, clean and hygienic? <i>Yes</i> <i>No</i>	Yes / No Give details:
Are sufficient hand washing facilities provided including soap and hot water? <i>→ No</i> <i>Yes</i>	Yes / No Give details:
Are areas for eating provided including provision for keeping chilled food?	Yes / No Give details: <i>MENARD LAD. WORKERS OF CANCE go outside of the project area.</i>
5. Site Security & Housekeeping	
Is the site compound adequately fenced to prevent unauthorised access, with warning and information signs?	✓ Yes / No Give details:
Are members of the public, such as people passing by the site, protected e.g. from falling materials, moving machines?	✓ Yes / No Give details:

Site safety review

Item	Comments (Enter N/A if not relevant)
Are appropriate safety signs in place e.g. traffic routes, authorised personnel, PPE?	Yes / No Give details: <i>Not sufficient. Improving day by day.</i>
Is the site tidy and well laid out? E.g. pathways are clear, no rubbish, no tools / equipment lying about.	Yes / No Give details: <i>Satisfactory.</i>
Are materials and equipment stored correctly and orderly?	Yes / No Give details: <i>Satisfactory.</i>
5. First Aid	
Are First-Aid facilities in place and do workers know where they are?	Yes / No Give details: <i>Doctor is available at site.</i>
Are trained first aiders available on site / nearby?	Yes / No Give details:
6. Fire Safety	
Is there an evacuation plan in place and is it understood by all employees?	Yes / No Give details:
Are muster points clearly signposted?	Yes / No Give details:
Are extinguishers in place, clearly marked for type of fire and easily accessible?	Yes / No Give details: <i>Some should put in box.</i>
Are designated smoking areas provided away from flammable materials?	Yes / No Give details:

Site safety review


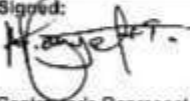
Item	Comments (Enter N/A if not relevant)
Is smoking confined to designated areas? Answer is no if anyone is seen smoking outside of designated areas.	Yes / No ✓ Give details:
7. Traffic Management	
Are pedestrian and vehicle routes clearly marked?	Yes / No ✓ Give details:
Is adequate parking in a designated area provided for vehicles?	Yes / No Give details: <i>Car parking for temp. site facilities already completed.</i>
8. Excavations	
Is a permit to dig in place?	Yes / No ✓ Give details:
Are excavations supported or profiled safely as per the approved method statement?	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.	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?	Yes / No ✓ Give details:
9. Plant and Equipment	
Are there appropriate safety measures in place for plant operations, e.g. cordoned areas, bankspeople,	Yes / No ✓ Give details:
Is a lift plan in place for any lifting operations?	Yes / No ✓ Give details:

Site safety review

Item	Comments (Enter N/A if not relevant)
Are records available of weekly inspections for cranes including details of the safe working load?	✓ Yes / No Give details:
Are all tools and equipment in use in good condition?	Yes / No Give details: <i>Meeting min^m requirement.</i>

Date(s) / Stages of next Site Safety Review(s), if required:

SSR Approval

Signed:  Engineer's Representative:	Signed:  Contractor's Representative:	Date of this Safety Review: 18-02-2020
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Distribution: Original to project file, Copy to EMS Representative

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

Site safety review

Project Title:	Dhaka Environmentally Sustainable Water Supply Project	Project No:	MM Proj. No: 346152 GWT Proj. No: 001464
Author:	MD. MIZANUR RAHMATY		
Site:	WTP	Date:	2020-02-24

Site Safety Review Attendees:	
Name: MD. MIZANUR RAHMATY SYED EJAZUL KARIM MR. KEDI MR. TING MR. AZAD	Company / Designation: MDSC/ ARE MDSC/ DAE O&T/ HSE MANAGER O&T/ HSE MANAGER GWT/ SAFETY SUPERVISOR

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?	11 from GWT/DC
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:

Site safety review

Item	Comments (Enter N/A if not relevant)
3. PPE	
Are all personnel on site wearing minimum mandatory PPE on site? i.e. safety helmet, safety footwear, hi-vis vest	Yes / No Give details:
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) 	Yes / No Give details: Continuous advice to workers on proper usage of task specific PPE
4. Welfare Facilities	
Is a supply of clean drinking water readily available for everyone on site?	Yes / No Give details:
Are sufficient toilet facilities available: <ul style="list-style-type: none"> - For men - For women 	Yes / No Give details:
Are toilet facilities well lit, ventilated, clean and hygienic?	Yes / No Give details:
Are sufficient hand washing facilities provided including soap and hot water?	Yes / No Give details: Hot water for mobile toilets not provided.
Are areas for eating provided including provision for keeping chilled food?	Yes / No Give details: Not for CAUSE, available for MEMBERS
5. Site Security & Housekeeping	
Is the site compound adequately fenced to prevent unauthorised access, with warning and information signs?	Yes / No Give details:
Are members of the public, such as people passing by the site, protected e.g. from falling materials, moving machines?	Yes / No Give details:

Site safety review

Item	Comments (Enter N/A if not relevant)
Are appropriate safety signs in place e.g. traffic routes, authorised personnel, PPE?	Yes / No Give details: <input checked="" type="checkbox"/> Yes A road improvement
Is the site tidy and well laid out? E.g. pathways are clear, no rubbish, no tools / equipment lying about.	Yes / No Give details: <input checked="" type="checkbox"/> Yes Housekeeping is an ongoing process.
Are materials and equipment stored correctly and orderly?	Yes / No Give details: <input checked="" type="checkbox"/> Yes
6. First Aid	
Are First-Aid facilities in place and do workers know where they are?	Yes / No Give details: <input checked="" type="checkbox"/> Yes
Are trained first aiders available on site / nearby?	Yes / No Give details: <input checked="" type="checkbox"/> Yes
7. Fire Safety	
Is there an evacuation plan in place and is it understood by all employees?	Yes / No Give details: <input checked="" type="checkbox"/> Yes
Are muster points clearly signposted?	Yes / No Give details: <input checked="" type="checkbox"/> Yes
Are extinguishers in place, clearly marked for type of fire and easily accessible?	Yes / No Give details: <input checked="" type="checkbox"/> Yes Boxes are being prepared for all extinguishers - report to SWH
Are designated smoking areas provided away from flammable materials?	Yes / No Give details: <input checked="" type="checkbox"/> Yes

Site safety review


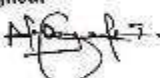
Item	Comments (Enter N/A if not relevant)
Is smoking confined to designated areas? Answer is no if anyone is seen smoking outside of designated areas.	Yes / No Give details: ✓
8. Traffic Management	
Are pedestrian and vehicle routes clearly marked?	Yes / No Give details: ✓
Is adequate parking in a designated area provided for vehicles?	Yes / No Give details: ✓
9. Excavations	
Is a permit to dig in place?	Yes / No Give details: N/A
Are excavations supported or profiled safely as per the approved method statement?	Yes / No Give details: N/A
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.	Yes / No Give details: N/A
Are barriers in place to prevent people falling into the excavation and keep materials, plant and equipment away from the edges?	Yes / No Give details: N/A
10. Plant and Equipment	
Are there appropriate safety measures in place for plant operations, e.g. cordoned areas, banks people,	Yes / No Give details: ✓
Is a lift plan in place for any lifting operations?	Yes / No Give details: ✓

Site safety review

Item	Comments (Enter N/A if not relevant)
Are records available of weekly inspections for cranes including details of the safe working load?	Give details: Yes / No ✓
Are all tools and equipment in use in good condition?	Give details: Yes / No ✓
Working at height issues evident on site - No proper access and egress to work on roof tops.	
Cranes are being used to suspend tower platforms while personnel worked on it.	

Date(s) / Stages of next Site Safety Review(s), if required:	
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SSR Approval

Signed:  Engineer's Representative:	Signed:  Contractor's Representative:	Date of this Safety Review: 2020-02-24
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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

Site safety review

Project Title:	Dhaka Environmentally Sustainable Water Supply Project	Project No:	MM Proj. No: 146152 GWT Proj. No: 001464
Author:	MD. Mahmudul Hasan Rahut		
Site:	WTP	Date:	09.03.2020

Site Safety Review Attendees:	
Name: Rahat Hasan Emma Stanley Nwokedi Uche-funwa	Company / Designation: MOSC, EMM MOSC, MML GWSWC / HSE Manager

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 <u> </u>
Were you given a site induction / daily briefing on arrival at site?	Yes / No <u> </u>
Have all operatives on site had a full HS induction? Are records of their training available?	Yes / No <u> </u>
Has a weekly health and safety briefing been held this week? Is a record available of attendance?	Yes / No <u> </u>
2. Reporting & Records	
How many safety observations have been recorded today?	01
Is there a log of safety observations and incidents available on site?	Yes / No <u> </u>
Are approved method statements in place for all work activities?	Yes / No Give details: <u> </u>
Are signed and approved permits in place for high-risk activities?	Yes / No / NA Give details: <u> </u>

Site safety review

Item	Comments (Enter N/A if not relevant)
3. PPE	
Are all personnel on site wearing minimum mandatory PPE on site? i.e. safety helmet, safety footwear, hi-vis vest	Yes / No Give details: —
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) 	Yes / No Give details: Missing at CAMEL area Missing at DSM area N
4. Welfare Facilities	
Is a supply of clean drinking water readily available for everyone on site?	Yes / No Give details: —
Are sufficient toilet facilities available: <ul style="list-style-type: none"> - For men - For women 	Yes / No Give details: —
Are toilet facilities well lit, ventilated, clean and hygienic?	Yes / No Give details: Outside toilets need to be more hygienic.
Are sufficient hand washing facilities provided including soap and hot water?	Yes / No Give details: Men and need to remove toilet at DSM area
Are areas for eating provided including provision for keeping chilled food?	Yes / No Give details: N Only Menard have.
5. Site Security & Housekeeping	

g need a hard platform

Site safety review

Item	Comments (Enter N/A if not relevant)
Is the site compound adequately fenced to prevent unauthorised access, with warning and information signs?	Yes / No Give details: —
Are members of the public, such as people passing by the site, protected e.g. from falling materials, moving machines?	Yes / No Give details: —
Are appropriate safety signs in place e.g. traffic routes, authorised personnel, PPE?	Yes / No Give details: —
Is the site tidy and well laid out? E.g. pathways are clear, no rubbish, no tools / equipment lying about.	Yes / No Give details: —
Are materials and equipment stored correctly and orderly? <i>DSM rebar cages should be covered all.</i>	Yes / No Give details: — <i>← cause rebar area; material should be orderly placed.</i>
6. First Aid	
Are First-Aid facilities in place and do workers know where they are?	Yes / No Give details: —
Are trained first aiders available on site / nearby?	Yes / No Give details: —
7. Fire Safety	

Site safety review

Item	Comments (Enter N/A if not relevant)
Is there an evacuation plan in place and is it understood by all employees?	Yes / No Give details: <u>---</u>
Are muster points clearly signposted?	Yes / No Give details: <u>---</u>
Are extinguishers in place, clearly marked for type of fire and easily accessible?	Yes / No Give details: <u>---</u> <i>Many some extinguishers are opened but not properly boxed</i>
Are designated smoking areas provided away from flammable materials?	Yes / No Give details: <u>---</u>
Is smoking confined to designated areas? Answer is no if anyone is seen smoking outside of designated areas.	Yes / No Give details: <u>---</u>
8. Traffic Management	
Are pedestrian and vehicle routes clearly marked?	Yes / No Give details: <u>---</u>
Is adequate parking in a designated area provided for vehicles?	Yes / No Give details: <u>---</u>
9. Excavations	
Is a permit to dig in place?	Yes / No Give details: N/A
Are excavations supported or profiled safely as per the approved method statement?	Yes / No Give details: <u>---</u>
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.	Yes / No Give details: <u>---</u>



Site safety review

Item	Comments (Enter N/A if not relevant)
Are barriers in place to prevent people falling into the excavation and keep materials, plant and equipment away from the edges?	Yes / No Give details: <input type="checkbox"/>
10. Plant and Equipment	
Are there appropriate safety measures in place for plant operations, e.g. cordoned areas, bankspeople,	Yes / No Give details: <input type="checkbox"/>
Is a lift plan in place for any lifting operations?	Yes / No Give details: <input type="checkbox"/>
Are records available of weekly inspections for cranes including details of the safe working load?	Yes / No Give details: <input type="checkbox"/>
Are all tools and equipment in use in good condition?	Yes / No Give details: <input type="checkbox"/>

Date(s) / Stages of next Site Safety Review(s), if required:	
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Site safety review

SSR Approval

Signed:  Engineer's Representative:	Signed:  Contractor's Representative:	Date of this Safety Review: 09.03.2020
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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

Site safety review

Project Title:	Dhaka Environmentally Sustainable Water Supply Project	Project No:	MM Proj. No: 346152 GWT Proj. No: 001464
Author:	MD. Mahmudul Hasan Rahat		
Site:	INTAKE	Date:	10.03.2020

Site Safety Review Attendees:	
Name:	Company / Designation:
Rahat Hasan Asif K. Akter EMMA STANLEY NWO/201 UCH/EFWA	EMDSC MDSC MDSC GWT SMC

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.	<u>Yes</u> / No
Were you given a site induction / daily briefing on arrival at site?	<u>Yes</u> / No
Have all operatives on site had a full HS induction? Are records of their training available?	<u>Yes</u> / No
Has a weekly health and safety briefing been held this week? Is a record available of attendance?	<u>Yes</u> / No
2. Reporting & Records	
How many safety observations have been recorded today?	06
Is there a log of safety observations and incidents available on site?	<u>Yes</u> / No
Are approved method statements in place for all work activities?	<u>Yes</u> / No Give details: <u> </u>
Are signed and approved permits in place for high-risk activities?	<u>Yes</u> / No / NA Give details: <u> </u>

Site safety review

Item	Comments (Enter N/A if not relevant)
3. PPE	
Are all personnel on site wearing minimum mandatory PPE on site? i.e. safety helmet, safety footwear, hi-vis vest	Yes / No Give details: <u> </u>
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 [subject to review] - Dust, fumes or toxic gases – respiratory protection - Other tasks with permit specific PPE (give details) 	Yes / No Give details: <u> </u> Y N (76dB↑ then EMP) N/R Some welders not wearing masks.
4. Welfare Facilities	
Is a supply of clean drinking water readily available for everyone on site?	Yes / No Give details: <u> </u>
Are sufficient toilet facilities available: <ul style="list-style-type: none"> - For men - For women 	Yes / No Give details: <u> </u> SWDP needs to provide new toilets.
Are toilet facilities well lit, ventilated, clean and hygienic?	Yes / No Give details: <u> </u>
Are sufficient hand washing facilities provided including soap and hot water?	Yes / No Give details: <u> </u>
Are areas for eating provided including provision for keeping chilled food?	Yes / No Give details: <u> </u>
5. Site Security & Housekeeping	

Site safety review

Item	Comments (Enter N/A if not relevant)
Is the site compound adequately fenced to prevent unauthorised access, with warning and information signs?	Yes / No Give details: <u>—</u>
Are members of the public, such as people passing by the site, protected e.g. from falling materials, moving machines?	Yes / No Give details: <u>—</u>
Are appropriate safety signs in place e.g. traffic routes, authorised personnel, PPE?	Yes / No Give details: <u>—</u>
Is the site tidy and well laid out? E.g. pathways are clear, no rubbish, no tools / equipment lying about.	Yes / No Give details: <u>—</u> <i>Need to improve house keeping in some locations of SWDP area</i>
Are materials and equipment stored correctly and orderly?	Yes / No Give details: <u>—</u> <i>Not adequately arranged</i>
6. First Aid	
Are First-Aid facilities in place and do workers know where they are?	Yes / No Give details: <u>—</u>
Are trained first aiders available on site / nearby?	Yes / No Give details: <u>—</u>
7. Fire Safety	

Site safety review

Item	Comments (Enter N/A if not relevant)
Is there an evacuation plan in place and is it understood by all employees?	Yes / No Give details: <input checked="" type="checkbox"/>
Are muster points clearly signposted?	Yes / No Give details: <input checked="" type="checkbox"/> <i>Some sign need to reprint.</i>
Are extinguishers in place, clearly marked for type of fire and easily accessible?	Yes / No Give details: <input checked="" type="checkbox"/> <i>Need proper casing for some place at SWDP area</i>
Are designated smoking areas provided away from flammable materials?	Yes / No Give details: <input checked="" type="checkbox"/>
Is smoking confined to designated areas? Answer is no if anyone is seen smoking outside of designated areas.	Yes / No Give details: <input checked="" type="checkbox"/>
8. Traffic Management	
Are pedestrian and vehicle routes clearly marked?	Yes / No Give details: <input checked="" type="checkbox"/>
Is adequate parking in a designated area provided for vehicles?	Yes / No Give details: <input checked="" type="checkbox"/>
9. Excavations	
Is a permit to dig in place?	Yes / No Give details: <input checked="" type="checkbox"/>
Are excavations supported or profiled safely as per the approved method statement?	Yes / No Give details: <input checked="" type="checkbox"/>
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.	Yes / No Give details: N/A

Site safety review

Item	Comments (Enter N/A if not relevant)
Are barriers in place to prevent people falling into the excavation and keep materials, plant and equipment away from the edges?	Yes / No Give details: N/A
10. Plant and Equipment	
Are there appropriate safety measures in place for plant operations, e.g. cordoned areas, bankspeople,	Yes / No Give details: —
Is a lift plan in place for any lifting operations?	Yes / No Give details: —
Are records available of weekly inspections for cranes including details of the safe working load?	Yes / No Give details: —
Are all tools and equipment in use in good condition?	Yes / No Give details: —

Date(s) / Stages of next Site Safety Review(s), if required:	
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Site safety review

SSR Approval

<p>Signed: </p> <p>Engineer's Representative:</p>	<p>Signed: </p> <p>Contractor's Representative: <i>us/03/20</i></p>	<p>Date of this Safety Review: <i>10.03.2020</i></p>
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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

- (16) Vene storage
- (17) CS500 (hanger) (18) Repair (19) Security door
- (1) Ladders, S&S hoop
- (2) Piling sound 26.6.18
- (3) S/L shalenge
- (4) S&S long missing
- (5) Five extinguishers removed
- (6) Concrete strike
- (7) Remove all debris
- (8) Hand shovels
- (9) Cylinder's stand
- (10) Concrete on steel pile
- (11) Working with steel
- (12) Safety edges on drawings

Site safety review

Project Title:	Dhaka Environmentally Sustainable Water Supply Project	Project No:	MM Proj. No: 346152 GWT Proj. No: 001464
Author:	ASIF KHAN ANKUR		
Site:	WTP	Date:	18/03/2020

Site Safety Review Attendees:	
Name: ASIF KHAN ANKUR NWOKEDI UCHIEFONA ABUL KALAM AZAD	Company / Designation: ARE, M/SC H2S MANAGER, GWT H2S, 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.	<input checked="" type="radio"/> Yes / No
Were you given a site induction / daily briefing on arrival at site?	<input checked="" type="radio"/> Yes / No
Have all operatives on site had a full HS induction? Are records of their training available?	<input checked="" type="radio"/> Yes / No
Has a weekly health and safety briefing been held this week? Is a record available of attendance?	<input checked="" type="radio"/> Yes / No
2. Reporting & Records	
How many safety observations have been recorded today?	15 this week
Is there a log of safety observations and incidents available on site?	<input checked="" type="radio"/> Yes / No
Are approved method statements in place for all work activities?	<input checked="" type="radio"/> Yes / No Give details:
Are signed and approved permits in place for high-risk activities?	Yes / No / <input checked="" type="radio"/> NA Give details:

Site safety review

Item	Comments (Enter N/A if not relevant)
3. PPE	
Are all personnel on site wearing minimum mandatory PPE on site? i.e. safety helmet, safety footwear, hi-vis vest	<input checked="" type="radio"/> Yes / <input type="radio"/> No Give details:
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) 	Yes / No Give details: <i>Glasses and gloves were on few times found not used during welding. So, RBT has put the incident in the log. Also, the welders are instructed</i> <i>N/A</i> <i>Y</i> <i>Y</i> <i>→</i>
4. Welfare Facilities	
Is a supply of clean drinking water readily available for everyone on site?	<input checked="" type="radio"/> Yes / <input type="radio"/> No Give details:
Are sufficient toilet facilities available: <ul style="list-style-type: none"> For men For women 	<input checked="" type="radio"/> Yes / <input type="radio"/> No Give details: <i>Portable toilets are replaced with permanent</i>
Are toilet facilities well lit, ventilated, clean and hygienic?	<input checked="" type="radio"/> Yes / <input type="radio"/> No Give details:
Are sufficient hand washing facilities provided including soap and hot water?	<input checked="" type="radio"/> Yes / <input type="radio"/> No Give details:
Are areas for eating provided including provision for keeping chilled food?	<input checked="" type="radio"/> Yes / <input type="radio"/> No Give details:
5. Site Security & Housekeeping	

substance for protection.
getting tablets

Site safety review

Item	Comments (Enter N/A if not relevant)
Is the site compound adequately fenced to prevent unauthorised access, with warning and information signs?	<input checked="" type="radio"/> Yes / <input type="radio"/> No Give details:
Are members of the public, such as people passing by the site, protected e.g. from falling materials, moving machines?	<input checked="" type="radio"/> Yes / <input type="radio"/> No Give details: Just the car-park area needs demarcation.
Are appropriate safety signs in place e.g. traffic routes, authorised personnel, PPE?	<input checked="" type="radio"/> Yes / <input type="radio"/> No Give details: kerb lines need improvement
Is the site tidy and well laid out? E.g. pathways are clear, no rubbish, no tools / equipment lying about.	<input checked="" type="radio"/> Yes / <input type="radio"/> No Give details: rubbish has been found on the way in a few places but overall tidy
Are materials and equipment stored correctly and orderly?	<input checked="" type="radio"/> Yes / <input type="radio"/> No Give details:
6. First Aid	
Are First-Aid facilities in place and do workers know where they are?	<input checked="" type="radio"/> Yes / <input type="radio"/> No Give details:
Are trained first aiders available on site / nearby?	<input checked="" type="radio"/> Yes / <input type="radio"/> No Give details:
7. Fire Safety	

Site safety review

Item	Comments (Enter N/A if not relevant)
Is there an evacuation plan in place and is it understood by all employees?	Give details: <input checked="" type="radio"/> Yes / No
Are muster points clearly signposted?	Give details: <input checked="" type="radio"/> Yes / No
Are extinguishers in place, clearly marked for type of fire and easily accessible?	Give details: <input checked="" type="radio"/> Yes / No
Are designated smoking areas provided away from flammable materials?	Give details: <input checked="" type="radio"/> Yes / No
Is smoking confined to designated areas? Answer is no if anyone is seen smoking outside of designated areas.	Give details: <input checked="" type="radio"/> Yes / No
8. Traffic Management	
Are pedestrian and vehicle routes clearly marked?	Give details: <input checked="" type="radio"/> Yes / <input checked="" type="radio"/> No Pedestrian → Yes
Is adequate parking in a designated area provided for vehicles?	Give details: <input checked="" type="radio"/> Yes / No
9. Excavations	
Is a permit to dig in place? N/A	Give details: Yes / No / N/A
Are excavations supported or profiled safely as per the approved method statement?	Give details: Yes / No / N/A
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.	Give details: Yes / No / N/A


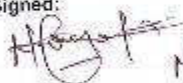
Site safety review

Item	Comments (Enter N/A if not relevant)
Are barriers in place to prevent people falling into the excavation and keep materials, plant and equipment away from the edges?	Yes / No <input checked="" type="radio"/> N/A Give details:
10. Plant and Equipment	
Are there appropriate safety measures in place for plant operations, e.g. cordoned areas, bankspeople,	Yes / No <input checked="" type="radio"/> Give details:
Is a lift plan in place for any lifting operations?	Yes / No <input checked="" type="radio"/> Give details:
Are records available of weekly inspections for cranes including details of the safe working load?	Yes / No <input checked="" type="radio"/> Give details:
Are all tools and equipment in use in good condition?	Yes / No <input checked="" type="radio"/> Give details:

Date(s) / Stages of next Site Safety Review(s), if required:

Site safety review

SSR Approval

Signed:  Engineer's Representative: ASIF KHAN ANUR (SCHEDULE 2 APE-CW)	Signed:  Contractor's Representative: Muck-201	Date of this Safety Review: 19/03/2020
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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