

Reference: ISPMC JV NHC-EMM
ISPMC – FRERMIP soniafrermip@gmail.com
621
30 June 2019

To:
Md. Rafiqul Islam Choubey,
Project Director,
Flood and Riverbank Erosion Risk Management Investment Program,
152/3/B Bir Uttam, Kazi Nuruzzaman Road, Panthopath,
Firoz Tower, (12th Floor) Dhaka-1205, Bangladesh.

Subject: Submission of EMP compliance monitoring report for on-going work packages under FRERMIP.

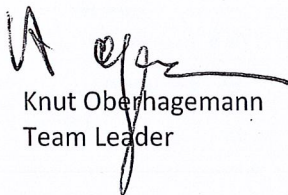
Dear Sir,

Please find attached the EMP compliance report for the following work packages prepared by our National Environment Specialist for your kind perusal.

- i) Contract package W-01/2016-17
- ii) Contract Package W-02/2016-17
- iii) Contract package W-03/2016-17
- iv) Contract package W-04/2016-17
- v) Contract package W-05/2016-17
- vi) Contract package W-14/2017-18

Sincerely Yours,

JV Northwest Hydraulic Consultants – Euroconsult Mott MacDonald


Knut Oberhagemann
Team Leader



Cc: Office file;
Sharif Al Kamal, Deputy Team Leader, ISPMC, FRERMIP.

FRERMIP – Monitoring of EMP Implementation

Md. Moyenuddin (Bashi)-Golam Rabbani Construction Ltd (JV)

(Contact Package W-01/2016-2017)

This monitoring form includes three parts, i.e.:

PART 1: General Project information, findings and recommendations

PART 2: Monitoring Contractor's EMP and Safety at Site Compliance

PART 3: Pictures taken during the monitoring visit

This monitoring report has been prepared in accordance with Environmental Management Plans (EMP) mentioned in EIA for Tranche-1 of the ADB-financed Flood and Riverbank Erosion Risk Management Project (2014-2023), i.e. the:

- (i) EMP included as Chapter 10 in the EIA (of May 2014) as enclosed in Volume IV – 'Social Development and Safeguards' of the PPTA report for FRERMIP – this EMP distinguished three phases: Pre-Construction, Construction and Post-Construction and is meant to manage and mitigate all identified adverse impacts of the project).
- (ii) EMP as included in the Contractor's Contract, i.e. as Bill of Quantities-Bill no. 02 – 'EMP and Safety at the Site' of Chapter 6 – this EMP spells out all environmental management obligations of the Contractor on working sites and in worker's camps (the focus of PART 2).

PART 1 – General Project Information, Findings and Recommendations

1-A Location, key contacts and report

Sub-Project	JRB-1		
Location:	Kajjuri	Monitoring report:	R-1 of 2019
Date of visit:	June 25, 2019	Date:	30 June 2019
Contract:	W-01 / 2016-2017	By:	Md. Amir Faisal Environmental Specialist
Contractor:	Md. Moyenuddin (Bashi)-Golam Rabbani Construction Ltd (JV)		
Contractor's contact:	Md. Asif Iqbal – Project Manager Md. Shahedur Rahman- Env. Inspector Md. Rezwon Uddin-Safety Inspector		
BWDB's contact:	Mr. Ahsan Habib Executive Engineer, Construction Division, Koitola, Bera, Pabna		
On-site ISPMC	Mr. Mainul Islam Site Engineer-2		

Consultant's contact:			
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1-B Main Contract features

Current Contract	Construction of new embankment along the right bank of Januna River from km. 0.00 to km. 5.00 = 5.00 km Kojjuri to Bhatpara and construction of 2 nos. regulators 2-vent each 1.5m x 1.8m at Kojjuri & Rohindakandi in upazila Shajadpur, dist. Sirajgonj. Main contract activities are site mobilization, excavation of foundation, placement of dredged earth into the foundation, slope and crest development, placement of clay cladding, plantation of vetiver grass, Foundation excavation and treatment of regulators, R.C.C works, manufacturing of c.c blocks, Environmental Management Work, and establishment & clearance and of work sites and worker's camps.
Start of the works	March 05, 2018
End of the works	May 31, 2019 Revised: December 2019

1C Persons met during this visit

	Party	Name	Position
1	BWDB/SMO	Mr. Ahsan Habib Mr. Rasel Fakir	Executive Engineer, Construction Division, Koitola, Bera, Pabna, Sub-Assistant Engineer/SO
2	Contractor	Mr. Md. Asif Iqbal Mr. Md. Shahedur Rahman Mr. Md. Rezwan Uddin	Project Manager Environmental Inspector Safety Inspector
3	Supervising Consultant	Mr. Mainul Islam Site Engineer-2	Site Engineer-2

Persons met during the previous visit

	Party	Name	Position
1	BWDB/SMO	Mr. Ahsan Habib Mr. Md. Al Amin	Executive Engineer, Construction Division, Koitola, Bera, Pabna, Sub-Assistant Engineer/Sectional Officer
2	Contractor	Mr. Md. Asif Iqbal Mr. Md. Rakibul Islam	Project Manager Site Engineer

		Mr. Md. Rezwan Uddin	Environmental Inspector
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1D Summary of observations

The contractor started work on 05 March 2018. The work was scheduled to complete by 31 May 2019. But it was reported that the revised schedule of completion is December, 2019. Main work is construction of 5.00 km embankment by dredged earth/sand and construction of 2 nos. regulators. It was seen that works for construction of regulator is almost complete except installation of gates and excavation of diversion channel. It was reported that about 40 nos. of labors are working at site. The contractor hired a house near the working site for accommodation of these labors.

It was reported construction of 5.00 km of embankment is about to complete. Cultivation of vatiber grass is being done and plantation of the same on the slope of the embankment is in progress. 10 workers reside at the site. A few numbers of bins was found at different locations of the working site. Installation of safety warning signs and signals and a first aid box was seen during the visit. One no. of tube well with pucca platform and 8 nos. of pucca sanitary toilet with sock pit were found during visit. Fuel and lubricant container was found under the tripol shed with no floor protection for leakage. It was reported that a nurse is available on call who stay at kojuri bazar.

1F. Circulation (recommended)

BWDB / PMO office – Dhaka Contractor's contract Manager – Kojuri Site Consultant's Construction Engineer – ISPMC Consultant's Site Engineer – Kojuri site	
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PART 2 – Monitoring Contractor's EMP and Safety at Site Compliance

Scoring key: 4 = excellent; 3 = good; 2 = fair; 1 = poor; 0 = non-compliant

BoQ clause	Item	Score	Comment
2.2	Environmental Inspector		
	Employing one Environmental inspector.	2	Environmental Inspector has been engaged more than one year and apprehended that he has gone through the EMP of the contract document.
	Set of environmental standards at site.	2	A Contractor Contract (including the EMP) is available on site
2.1(i)	Land use		
	Topsoil removal and replacement at work sites.	2	It was found, the topsoil has been preserved at separate place and will be replaced at the time of leaving the site

BoQ clause	Item	Score	Comment
2.1(ii)	Air		
	Spraying water on dry surfaces (roads and work sites).	3	Spraying of water for dust suppression activities was found during visit.
2.1.iii	Pollution		
	Waste disposal at work sites.	2	Contractor reported the waste is collected at a place and carried away and dumped in a safe place.
	Waste disposal at worker camps.	2	Waste bins are seen at site.
	Preventing spills of lubricants and fuel.	2	The fuel and lubricant are stored in godown and no spills was found
2.1(vi)	Safety equipment to prevent accidents / injuries		
	Helmets & life jackets / buoys.	2	Some equipment available (life jackets, helmet, gumboot) in Contractor's office. Working labors were seen wearing safety equipment at site.
	Traffic control signboards.	2	A Signboard containing site information was seen in front of site office and safety warning signs was seen during visit.
	Guards / walkways / etc.		Guards are deployed at the sites.
2.1(v) & 2.4	First aid		
	First-aid box	3	First aid box with necessary equipment is available at site
	Qualified nurse.	1	A nurse is available on call from the nearby bazar.
2.3	Safety Inspector		
	Employing one Safety inspector.	2	A Safety inspector has been employed
2.1(iii)	Sanitation conditions & waste management		
	Water supply.	2	1 no. tube well was found protected with pucca base.
	Sanitation (toilets etc).	2	8 nos. of pucca sanitary toilets with sock pit was found.
	Waste management.	1	Waste bins are available; wastewater is drained in an open pit.

Recommendations:

1. The floor where the fuel and lubricants are kept should be protected with cement concrete
2. The Supervising Consultant (Site Engineer) is to improve on supervising the Contractor in his obligations with respect to environmental management.
3. The GRM formed by PMO is to be well aware to contractor and supervising consultant's representative so that it could be functioning. It is required to take care of any complaints that may result from land acquisition activities, and therefore needs close cooperation with other ISPMC specialists for example resettlement and institutional development.
4. PMO is to adopt a system for sharing and following up on ISPMC's EMP compliance monitoring reports.
5. Some more safety signals/signage should be erected at sites to avoid accidents
6. Site should be cleared as per contract agreement/sound environmental standard before leaving the site. Final bill of the contractor should be paid after clearing the site.
7. For future Contractor's contracts the EMP section should be revisited and amended, based on experience gained in implementing the pilot area works.

ISPMC – Dhaka; 30 December 2019

Md. Amir Faisal

National Environmental Specialist

PART 3 – Pictures taken at Kojuri Embankment site, Package W-01/2016-17 during the visit



1. Vatiber grass cultivation



2. Storage of Fuel & lubricant



3. Sanitary toilet with sock pit



4. First aid material



5. Labour shed



6. Well maintained garden in front of contractor's office

FRERMIP – Monitoring of EMP Implementation

Taher Brothers Ltd.- M.A Enterprise (JV)

(Contact Package W-02 & 03/2016-2017)

This monitoring form includes three parts, i.e.:

PART 1: General Project information, findings and recommendations

PART 2: Monitoring Contractor's EMP and Safety at Site Compliance

PART 3: Pictures taken during the monitoring visit

This monitoring report has been prepared in accordance with Environmental Management Plans (EMP) mentioned in EIA for Tranche-1 of the ADB-financed Flood and Riverbank Erosion Risk Management Project (2014-2023), i.e. the:

- (i) EMP included as Chapter 10 in the EIA (of May 2014) as enclosed in Volume IV – 'Social Development and Safeguards' of the PPTA report for FRERMIP – this EMP distinguished three phases: Pre-Construction, Construction and Post-Construction and is meant to manage and mitigate all identified adverse impacts of the project).
- (ii) EMP as included in the Contractor's Contract, i.e. as Bill of Quantities-Bill no. 02 – 'EMP and Safety at the Site' of Chapter 6 – this EMP spells out all environmental management obligations of the Contractor on working sites and in worker's camps (the focus of PART 2).

PART 1 – General Project Information, Findings and Recommendations

1-A Location, key contacts and report

Sub-Project	JRB-1		
Location:	Benotia	Monitoring report:	R-1 of 2019
Date of visit:	June 25, 2019	Date:	30 June 2019
Contract Package:	W-02 / 2016-2017 & W-03 /2016-2017	By:	Md. Amir Faisal Environmental Specialist
Contractor:	Taher Brothers Ltd.- M.A Enterprise (JV)		
Contractor's contact:	Mr. Jibon kr. Halder Contact Manager		
BWDB's contact:	Mr. Ahsan Habib Executive Engineer, Construction Division, Koitola, Bera, Pabna		
On-site ISPMC Consultant's contact:	Mr. Mainul Islam Site Engineer-2		

1-B Main Contract features

Current Contract	Construction of new embankment along the right bank of Jamuna river from km. 5.00 to km 8.50 = 3.50 km (Package-2) and from km. 8.50 to 12.50 = 4.00 km (Package-3) at Benotia in upazilla Shahjadpur dist. Sirajgonj. Main contract activities are site mobilization, Environmental Management Work, Construction of Embankment with dredged sand from river, construction of regulator and establishment & clearance and of work sites and worker's camps.
Start of the works	February 15, 2018
End of the works	May 31, 2019 Revised: December, 2019

1C Persons met during this visit

	Party	Name	Position
1	BWDB/SMO	Mr. Ahsan Habib Mr. Rasel Fakir Mr. Shahinur Islam	Executive Engineer, Construction Division, Koitola, Bera, Pabna, Sub-Assistant Engineer /Sectional Officer Sub-Assistant Engineer /Sectional Officer
2	Contractor	Mr. Jibon kr. Halder Mr. Mehdi Hassan Mr. Hassan Arif	Contact Manager Environmental Inspector Safety Inspector
3	Supervising Consultant	Mr. Mainul Islam	Site Engineer-2

Persons met during the previous visit

	Party	Name	Position
1	BWDB/SMO	Mr. Ahsan Habib Mr. Rasel Fakir	Executive Engineer, Construction Division, Koitola, Bera, Pabna, Sub-Assistant Engineer /Sectional Officer
2	Contractor	Mr. Mehdi Hassan	Environmental Inspector
3.	Supervising Consultant	Mr. Mirza Harunur Rashid	Construction Engineer

1D Summary of observations

The contractor started work on 15 February 2018. The work is scheduled to complete by 31 May 2019. It was reported that the revised schedule of completion has been fixed on December 2019. Taher Brothers Ltd.-M.A Enterprise is implementing Package-W-02 and W-03. They are operating both the packages from one office maintained at Benotia. Main work is construction of total 7.50 km embankment by dredged earth/sand. The contractor's Environmental Inspector has been working more than a year. A contract document including EMP was found at the site office but not readable. A safety Inspector has been engaged. It was reported that 10 nos. of laborers are working at site.

Safety warning signs and signals were seen during the visit. A few numbers of bins were found. Two nos. of tube wells with pucca protection platforms and three nos. of pucca sanitary toilets with sock pits were found during the visit. A nurse was found at the site who is available any time on call. It was noticed that fuel and lubricants have been kept in the godown.

1F. Circulation (recommended)

BWDB / PMO office – Dhaka Contractor's contract Manager – Andermanik Site Consultant's Construction Engineer – ISPMC Consultant's Site Engineer – Andermanik Site	
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PART 2 – Monitoring Contractor's EMP and Safety at Site Compliance

Scoring key: 4 = excellent; 3 = good; 2 = fair; 1 = poor; 0 = non-compliant

BoQ clause	Item	Score	Comment
2.2	Environmental Inspector		
	Employing one Environmental inspector.	2	The Environmental Inspector working in this site more than a year. He has gathered some knowledge about environment management for the site.
	Set of environmental standards at site.	1	A Contractor Contract (including the EMP) was available at site but not readable. Instructed to keep a readable contract document at site.
2.1(i)	Land use		
	Topsoil removal and replacement at work sites.	2	Top soil preserved in a separate place and reported to restore it before leaving the site.
2.1(ii)	Air		
	Spraying water on dry surfaces (roads and work sites).	1	Spraying of water for dust suppression activities was not found during the visit but reported that spraying is done when required.

BoQ clause	Item	Score	Comment
2.1(iv)	Pollution		
	Waste disposal at work sites.	2	Contractor reported the waste is collected at a place and carried away and dumped in a safe place.
	Waste disposal at worker camps.	2	Few waste bins was found in front of the kitchen.
	Preventing spills of lubricants and fuel.	1	Fuel and lubricant dram were kept in godown
2.1(v) & 2.4	First aid		
	First-aid box	2	First aid box with necessary equipment is available at site
	Qualified nurse.	2	A nurse is available on call from the nearby bazar.
	Safety equipment to prevent accidents / injuries		
	Helmets & life jackets / buoys.	2	Some equipment available (life jackets) in Contractor's office
	Traffic control signboards.	2	A safety Signboard was found
	Guards / walkways / etc.		Guards are deployed at the sites.
2.3	Safety Inspector		
	Employing one Safety inspector.	0	Safety inspector has been employed
2.1(iii)	Sanitation conditions & waste management		
	Water supply.	2	2 nos. tube well installed. Tube wells were seen with protected base
	Sanitation (toilets etc).	2	3 nos. of pucca sanitary toilets with sock pit was installed.
	Waste management.	2	A waste bin was found

Recommendations:

1. Contractors must step up their performance on EMP implementation, first and foremost by (i) formally assigning and/or properly instructing and supervising a full-time Environmental Inspector and safety inspector.
2. The contractor should make available a readable contract agreement at site
3. The Supervising Consultant (Site Engineer) is to improve on supervising the Contractor in his obligations with respect to environmental management.
4. The GRM formed by PMO is to be well aware to contractor and supervising consultant's representative so that it could be functioning. It is required to take care of any complaints that may result from land acquisition activities, and therefore needs close cooperation with other ISPMC specialists for example resettlement and institutional development.
5. PMO is to adopt a system for sharing and following up on ISPMC's EMP compliance monitoring reports.
6. For future Contractor's contracts the EMP section should be revisited and amended, based on experience gained in implementing the pilot area works.
7. Site should be cleared as per contract agreement/sound environmental standard before living the site. Final bill of the contractor should be paid after clearing the site.

ISPMC – Dhaka; 30 June 2019

Md. Amir Faisal National

Environmental Specialist

PART 3 – Pictures taken at benotia Embankment (Package W-02) site during the visit



1. Safety signboard at the working site



2. Tube well with protected base



3. First aid materials



4. Sanitary toilet with sock pit



5. Preservation of Top Soil



6. Storage of Fuel and lubricant

FRERMIP – Monitoring of EMP Implementation

Verakhola Embankment Site

(Contact Package W-04/2016-2017)

This monitoring form includes three parts, i.e.:

PART 1: General Project information, findings and recommendations

PART 2: Monitoring Contractor's EMP and Safety at Site Compliance

PART 3: Pictures taken during the monitoring visit

This monitoring report has been prepared in accordance with Environmental Management Plans (EMP) mentioned in EIA for Tranche-1 of the ADB-financed Flood and Riverbank Erosion Risk Management Project (2014-2023), i.e. the:

- (i) EMP included as Chapter 10 in the EIA (of May 2014) as enclosed in Volume IV – 'Social Development and Safeguards' of the PPTA report for FRERMIP – this EMP distinguished three phases: Pre-Construction, Construction and Post-Construction and is meant to manage and mitigate all identified adverse impacts of the project).
- (ii) EMP as included in the Contractor's Contract, i.e. as Bill of Quantities-Bill no. 02 – 'EMP and Safety at the Site' of Chapter 6 – this EMP spells out all environmental management obligations of the Contractor on working sites and in worker's camps (the focus of PART 2).

PART 1 – General Project Information, Findings and Recommendations

1-A Location, key contacts and report

Sub-Project	JRB-1		
Location:	Verakhola	Monitoring report:	R-1 of 2019
Date of visit:	June 25, 2019	Date:	30 June 2019
Contract:	W-04 / 2016-2017	By:	Md. Amir Faisal Environmental Specialist
Contractor:	HB-SSECL (JV)		
Contractor's contact:	Md. Sohel Sarker– Project Manager - Env. Inspector Md. Rubel Rana- Safety Inspector Md. Atique Hasan- Nurse		
BWDB's contact:	Mr. Ahsan Habib Executive Enineer, Construction Division, Koitola, Bera, Pabna,		
On-site ISPMC Consultant's contact:	Mr. Mainul Islam Site Engineer-2		

1-B Main Contract features

Current Contract	Construction of new embankment/Re-construction of Baral/Hurasagar left bank Embankment from km. 12.50 to km 17.30 = 4.80 km (Baghabari to Verakhola –D/S Reach) and construction of 1 no. 4 vent regulator (1.50 m x 1.8 m) at Verakhola in upazilla Shahjadpur dist. Sirajgonj. Main contract activities are site mobilization, Environmental Management Work, Construction of Embankment with dredged sand from river, construction of regulator and establishment & clearance and of work sites and worker's camps.
Start of the works	March 01, 2018
End of the works	May 31, 2019 Revised: December, 2019

1C Persons met during this visit

	Party	Name	Position
1	BWDB/SMO	Mr. Ahsan Habib Mr. Md. Al Amin	Executive Engineer, Construction Division, Koitola, Bera, Pabna, Sub-Assistant Engineer/Sectional Officer
2	Contractor	Mr. Md. Zakaria Mohammad Nasim Mr. Md. Sohel Rana Mr. Md. Kabirul Islam Md. Atique Hasan	Contact Manager Environmental Inspector Safety Inspector Nurse
3	Supervising Consultant	Mr. Mainul Islam	Site Engineer-2

Persons met during the previous visit

	Party	Name	Position
1	BWDB/SMO	Mr. Ahsan Habib Mr. Md. Al Amin	Executive Engineer, Construction Division, Koitola, Bera, Pabna, Sub-Assistant Engineer/Sectional Officer
2	Contractor	Mr. Md. Sohel Sarker Md. Sawpon Ali Md. Rubel Rana Md. Atique Hasan Mr. Md. Alamgir Hossain	Contact Manager Environmental Inspector Safety Inspector Nurse

3	Supervising Consultant	Mr. Mainul Islam	Site Engineer-2
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1D Summary of observations

The contractor started work on 01 March 2018. The work was scheduled to complete by 31 May 2019. The work is ongoing, expected date of completion is December 2019. Main work are construction of 4.80 km embankment by dredged earth/sand and construction of 1 no. regulator. During visit it was reported that 85% of the regulator work has been completed. It was also reported that about 40 nos. of labors are working at site. The contractor made a tin shed room for accommodation of labours working at the site. The worker's camp and surrounding area is maintained nicely. A fairly good looking and environmental friendly office has been maintained by the concern contractor

The contractor engaged an Environmental Inspector and a Safety Inspector to oversee the environmental and safety issues at the site. A few numbers of bins was found at different locations of the working site. Installation of safety warning signs and signals and a first aid box was seen during the visit. Five nos. of tube well with pucca protected platform and five nos. of pucca sanitary toilet with sock pit were found during visit. A nurse was found at the site who is available any time on call.

1F. Circulation (recommended)

BWDB / PMO office – Dhaka Contractor's contract Manager – Verakhola Site Consultant's Construction Engineer – ISPMC Consultant's Site Engineer – Verakhola site	
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PART 2 – Monitoring Contractor's EMP and Safety at Site Compliance

Scoring key: 4 = excellent; 3 = good; 2 = fair; 1 = poor; 0 = non-compliant

BoQ clause	Item	Score	Comment
2.2	Environmental Inspector		
	Employing one Environmental inspector.	2	The Environmental Inspector has been engaged. He gathers knowledge about the implementation of EMP at site
	Set of environmental standards at site.	2	A Contractor Contract (including the EMP) is available on site, the Contractor's personnel seemed they are aware of the EMP.
2.1(i)	Land use		
	Topsoil removal and replacement at work sites.	2	Topsoil found preserved at separate place and reported that it will be replaced at the time of leaving the site
2.1(ii)	Air		

BoQ clause	Item	Score	Comment
	Spraying water on dry surfaces (roads and work sites).	3	Spraying of water for dust suppression activities was found during visit.
2.1(iv)	Pollution		
	Waste disposal at work sites.	2	Contractor's representative reported the waste generated at site is collected at a place and carried away and dumped in a safe place.
	Waste disposal at worker camps.	2	Waste bins were found at different locations at site.
	Preventing spills of lubricants and fuel.	3	The lubricants and fuel drum is stored in a store near the working site. The lubricants and fuel are carrying in a container to the machine where it is being used. It is reported used oil and lubricants are collected in a container which is then collected by someone and disposed of. No spills of lubricants and fuel was found during the visit.
2.1(v) & 2.4	First aid		
	First-aid box	3	First aid box with necessary equipment is available at site
	Qualified nurse.	2	A nurse was found during visit. It was reported he is available on call from the nearby bazar.
	Safety equipment to prevent accidents/ injuries		
	Helmets & life jackets / buoys.	2	Some equipment available (life jackets) in Contractor's office
	Traffic control signboards.	2	Some signboards containing site information was seen in front of site office and safety warning signs was seen during visit. Safety enclosure was found around some ditches in the site
	Guards / walkways / etc.		Guards are deployed at the sites.
2.3	Safety Inspector		
	Employing one Safety inspector.	2	Safety inspector has been engaged.
2.1(iii)	Sanitation conditions & waste management		
	Water supply.	4	5 nos. tube well installed. Tube wells were seen well maintained and protected. The used water are properly drained out

BoQ clause	Item	Score	Comment
	Sanitation (toilets etc).	3	5 nos. of pucca sanitary toilets with sock pit have been installed. One toilet for women use only
	Waste management.	2	Waste bins are available. The waste water are disposed in a pit. The overall working site was seen clean

Recommendations:

1. Contractors must step up their performance on EMP implementation, first and foremost by (i) formally assigning and/or properly instructing and supervising a full-time Environmental Inspector, (iii) by monthly reporting on their on-site environmental management.
2. The Supervising Consultant (Site Engineer) is to improve on supervising the Contractor in his obligations with respect to environmental management.
3. The GRM formed by PMO is to be well aware to contractor and supervising consultant's representative so that it could be functioning. It is required to take care of any complaints that may result from land acquisition activities, and therefore needs close cooperation with other ISPMC specialists for example resettlement and institutional development.
4. PMO is to adopt a system for sharing and following up on ISPMC's EMP compliance monitoring reports.
5. A clear readable copy of the Contract should be kept at the site so that the contractor's representatives may know what they have to do for EMP compliance of the site.
6. Site should be cleared as per contract agreement/sound environmental standard before living the site. Final bill of the contractor should be paid after clearing the site.

ISPMC – Dhaka; 30 June 2019

Md. Amir Faisal

National Environmental Specialist

PART 3 – Pictures taken at HB-SSECL, JV (Package-04) site during the visit



1. Meeting at site with representatives of SMO, ISPMC and Contractor



2. Labour shad



3. Tube well with protection



4. Safety warning signboard displayed at site



5. Sanitary toilet with sock pit



6. Vativer grass grown at the embankment

FRERMIP – Monitoring of EMP Implementation
Md. Moyenuddin (Bashi)-Golam Rabbani const. Ltd (JV)
(Contact Package W-05/2016-2017)

This monitoring form includes three parts, i.e.:

PART 1: General Project information, findings and recommendations

PART 2: Monitoring Contractor's EMP and Safety at Site Compliance

PART 3: Pictures taken during the monitoring visit

This monitoring report has been prepared in accordance with Environmental Management Plans (EMP) mentioned in EIA for Tranche-1 of the ADB-financed Flood and Riverbank Erosion Risk Management Project (2014-2023), i.e. the:

- (i) EMP included as Chapter 10 in the EIA (of May 2014) as enclosed in Volume IV – 'Social Development and Safeguards' of the PPTA report for FRERMIP – this EMP distinguished three phases: Pre-Construction, Construction and Post-Construction and is meant to manage and mitigate all identified adverse impacts of the project).
- (ii) EMP as included in the Contractor's Contract, i.e. as Bill of Quantities-Bill no. 02 – 'EMP and Safety at the Site' of Chapter 6 – this EMP spells out all environmental management obligations of the Contractor on working sites and in worker's camps (the focus of PART 2).

PART 1 – General Project Information, Findings and Recommendations

1-A Location, key contacts and report

Sub-Project	JRB-1		
Location:	Andharmanik	Monitoring report:	R-3 of 2018
Date of visit:	June 25, 2019	Date:	June 30, 2019
Contract Package:	W-05 / 2016-2017	By:	Md. Amir Faisal Environmental Specialist
Contractor:	Md. Moyenuddin (Bashi)-Golam Rabbani const. Ltd (JV)		
Contractor's contact:	Md. Nur-a-Alam Khan – Project Manager		
BWDB's contact:	Mr. Ahsan Habib Executive Engineer, Construction Division, Koitola, Bera, Pabna		
On-site ISPMC Consultant's contact:	Mr. Mainul Islam, Site Engineer-2		

1-B Main Contract features

Current Contract	Construction of new embankment/Re-construction of Baral/Hurasagar left bank Embankment from km. 17.30 to km 21.30 = 4.00 km (Baghabari to Verakhola –D/S Reach) and construction of 1 no. 4 vent regulator (1.50 m x 1.8 m) at Andermanik in upazilla Shahjadpur dist. Sirajgonj. Main contract activities are site mobilization, Environmental Management Work, Construction of Embankment with dredged sand from river, construction of regulator and establishment & clearance and of work sites and worker’s camps.
Start of the works	February 22, 2018
End of the works	May 31, 2019 Revised December, 2019

1C Persons met during this visit

	Party	Name	Position
1	BWDB/SMO	Mr. Ahsan Habib Mr. Md. Al Amin	Executive Engineer, Construction Division, Koitola, Bera, Pabna, Sub-Assistant Engineer/Sectional Officer
2	Contractor	Md. Nur-a-Alam Khan Md. Aminul Islam Md. Naimul Islam	Project Manager Environmental Inspector Safety Inspector
3	Supervising Consultant	Md. Mainul Islam	Site Engineer-2

Persons met during the previous visit

	Party	Name	Position
1	BWDB/SMO	Mr. Ahsan Habib Mr. Md. Al Amin	Executive Engineer, Construction Division, Koitola, Bera, Pabna, Sub-Assistant Engineer/Sectional Officer
2	Contractor	Md. Nur-a-Alam Khan Md. Aminul Islam Md. Naimul Islam	Project Manager Environmental Inspector Safety Inspector
3	Supervising consultant	Mr. Miza Harunur Rashid	Construction Engineer

1D Summary of observations

The contractor started work on 01 March 2018. The work is scheduled to complete by 31 May 2019. The work is ongoing and it was reported that the expected time of completion is December 2019. Main work are construction of 4.00 km embankment by dredged earth/sand and construction of 1 no. regulator. During visit it was found, work of regulator is in progress. It was reported that about 150 nos. of labours are working at site of which 15 nos. of labours are residing at site. All most all the labours are local, as such they do not stay at site. The contractor made a tin shed room for accommodation of labours staying at the site. The worker's camp and surrounding area is maintained fairly. An office building has been constructed by the concern contractor which is being maintained.

It was noticed that, the contractor engaged an Environmental Inspector to oversee the environmental issues and Safety inspector also engaged. A few numbers of bins was found at different locations of the working site. Installation of safety warning signs and signals and a first aid box was seen during the visit. Two nos. of tube well without pucca protection platform and three nos. of pucca sanitary toilet with sock pit were found during visit. A separate toilet is fixed for women use. A nurse was found at the site who is available any time on call. It was noticed the fuel and lubricant have kept in the godown.

1F. Circulation (recommended)

BWDB / PMO office – Dhaka Contractor's contract Manager – Andermanik Site Consultant's Construction Engineer – ISPMC Consultant's Site Engineer – Andermanik Site	
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PART 2 – Monitoring Contractor's EMP and Safety at Site Compliance

Scoring key: 4 = excellent; 3 = good; 2 = fair; 1 = poor; 0 = non-compliant

BoQ clause	Item	Score	Comment
2.2	Environmental Inspector		
	Employing one Environmental inspector.	3	The Environmental Inspector has been engaged, seemed he is aware of his responsibility and implementation of EMP at site
	Set of environmental standards at site.	0	A Contractor Contract (including the EMP) is available on site, but not readable. Instructed to keep a readable contract document at site during last visit but did not follow that instruction.
2.1(i)	Land use		
	Topsoil removal and replacement at work sites.	2	Topsoil has been preserved in a separate place and are being maintained well and reported to restore before leaving the site

BoQ clause	Item	Score	Comment
2.1(ii)	Air		
	Spraying water on dry surfaces (roads and work sites).	3	Spraying of water for dust suppression activities was found during visit.
2.1(iv)	Pollution		
	Waste disposal at work sites.	2	Contractor reported the waste is collected at a place and carried away and dumped in a safe place.
	Waste disposal at worker camps.	2	Waste bins are available.
	Preventing spills of lubricants and fuel.	3	It was reported lubricants and fuel drum is stored in a store near the working site. But some fuel and lubricant drum were kept in open sky. The lubricants and fuel are carrying in a container to the machine where it is being used.
2.1(v) & 2.4	First aid		
	First-aid box	3	First aid box with necessary equipment is available at site
	Qualified nurse.	2	A nurse is available on call from the nearby bazar.
	Safety equipment to prevent accidents / injuries		
	Helmets & life jackets / buoys.	2	Some equipment available (life jackets) in Contractor's office
	Traffic control signboards.	2	A Signboard containing site information was seen in front of site office and safety enclosure and warning signs was seen at different places at site during visit.
	Guards / walkways / etc.		Guards are deployed at the sites.
2.3	Safety Inspector		
	Employing one Safety inspector.	2	Safety inspector has been employed
2.1(iii)	Sanitation conditions & waste management		
	Water supply.	4	2 nos. tube well installed. Tube wells were seen well maintained and protected.
	Sanitation (toilets etc).	3	4 nos. of pucca sanitary toilets with sock pit was installed. 1 no toilet has been reserved for women workers

BoQ clause	Item	Score	Comment
	Waste management.	2	Waste bins are available. The waste water are disposed in a pit. The overall working site was seen clean

Recommendations:

1. Contractors must step up their performance on EMP implementation, first and foremost by (i) formally assigning and/or properly instructing and supervising a full-time Environmental Inspector, (ii) by improving water supply and waste management, (iii) by monthly reporting on their on-site environmental management.
2. The Supervising Consultant (Site Engineer) is to improve on supervising the Contractor in his obligations with respect to environmental management.
3. The GRM formed by PMO is to be well aware to contractor and supervising consultant's representative so that it could be functioning. It is required to take care of any complaints that may result from land acquisition activities, and therefore needs close cooperation with other ISPMC specialists for example resettlement and institutional development.
4. PMO is to adopt a system for sharing and following up on ISPMC's EMP compliance monitoring reports.
5. For future Contractor's contracts the EMP section should be revisited and amended, based on experience gained in implementing the pilot area works.
6. Site should be cleared as per contract agreement/sound environmental standard before living the site. Final bill of the contractor should be paid after clearing the site.

ISPMC – Dhaka; 30 June 2019

Md. Amir Faisal

National Environmental Specialist

PART 3 – Pictures taken at Andermanik Embankment (Package-05) site during the visit



1. Meeting at site with representatives of SMO, ISPMC and Contractor



2. Safety warning sign at working site



3. First aid box with medical equipment



4. Labours are working without wearing PPE



5. Waste bin in front of Kitchen



6. Pump machines are being repaired without taking protection on ground

FRERMIP – Monitoring of EMP Implementation

Hurasagar- Koitola site

(Contact Package W-14/2017-2018)

This monitoring form includes three parts, i.e.:

PART 1: General Project information, findings and recommendations

PART 2: Monitoring Contractor's EMP and Safety at Site Compliance

PART 3: Pictures taken during the monitoring visit

This monitoring report has been prepared in accordance with Environmental Management Plans (EMP) mentioned in EIA for Tranche-1 of the ADB-financed Flood and Riverbank Erosion Risk Management Project (2014-2023), i.e. the:

- (i) EMP included as Chapter 10 in the EIA (of May 2014) as enclosed in Volume IV – 'Social Development and Safeguards' of the PPTA report for FRERMIP – this EMP distinguished three phases: Pre-Construction, Construction and Post-Construction and is meant to manage and mitigate all identified adverse impacts of the project).
- (ii) EMP as included in the Contractor's Contract, i.e. as Bill of Quantities-Bill no. 02 – 'EMP and Safety at the Site' of Chapter 6 – this EMP spells out all environmental management obligations of the Contractor on working sites and in worker's camps (the focus of PART 2).

PART 1 – General Project Information, Findings and Recommendations

1-A Location, key contacts and report

Sub-Project	JRB-1		
Location:	Hurasagar	Monitoring report:	R-1 of 2019
Date of visit:	June 25, 2019	Date:	30 June 2019
Contract:	W-14 / 2017-2018	By:	Md. Amir Faisal Environmental Specialist
Contractor:	Khondaker Shaheen Ahmed – M.A Enterprise (JV)		
Contractor's contact:	Mr. Nahid Parvez Lafsu – Contact Manager		
BWDB's contact:	Mr. Ahsan Habib Executive Engineer, Construction Division, Koitola, Bera, Pabna,		
On-site ISPMC	Mr. Mainul Islam Site Engineer-2		

Consultant's contact:			
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1-B Main Contract features

Current Contract	Embankment slope protection piloting works with grout filled jute mattresses along the left bank of Hurasagar river from Km 13.100 to Km 15.000 = 1.900 Km in upazila Shahzadpur, Dist. Sirajgonj. Main contract activities are site mobilization, Environmental Management Work, Construction and placing of grout filled jute mattresses and establishment & clearance and of work sites and worker's camps.
Start of the works	September 2018
End of the works	September 2019

1C Persons met during this visit

	Party	Name	Position
1	BWDB/SMO	Mr. Ahsan Habib Mr. Md. Al Amin	Executive Engineer, Construction Division, Koitola, Bera, Pabna, Sub-Assistant Engineer/Sectional Officer
2	Contractor	Mr. Nahid Parvez Lafsu Mr. Md. Jashimuddin Mr. Md. Mozzammel Haque	Contact Manager Environmental Inspector Safety Inspector
3	Supervising Consultant	Mr. Mainul Islam	Site Engineer-2

Persons met during the previous visit

	Party	Name	Position
1			
2			
3			

1D Summary of observations

The contractor started work at this site in early May 2019 after completing work at the first site under this contract package in Harirampur. The work was scheduled in the contractual program to be complete by 30 June 2019. The work is ongoing, expected date of completion is November 2019. Main work are construction and placing of grout filled jute mattresses of 1.90 km length. The grout is being prepared in an automatic batching plant.
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During visit it was reported that 90% of the work has been completed. It was also reported that about 30 nos. of labors are working at site. The contractor made a tin shed room for accommodation of labours working at the site. The worker's camp and surrounding area is maintained fairly. A fairly good looking and environmental friendly office has been maintained by the concern contractor

The contractor engaged an Environmental Inspector and a Safety Inspector to oversee the environmental and safety issues at the site. A few numbers of bins was found at different locations of the working site. Installation of safety warning signs and signals and a first aid box was seen during the visit. Four nos. of tube well with pucca protected platform and eleven nos. of pucca sanitary toilet including one toilet for women worker with sock pit were found during visit. A nurse was found at the site who is available any time on call.

1F. Circulation (recommended)

BWDB / PMO office – Dhaka Contractor's contract Manager – Verakhola Site Consultant's Construction Engineer – ISPMC Consultant's Site Engineer – Verakhola site	
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PART 2 – Monitoring Contractor's EMP and Safety at Site Compliance

Scoring key: 4 = excellent; 3 = good; 2 = fair; 1 = poor; 0 = non-compliant

BoQ clause	Item	Score	Comment
2.2	Environmental Inspector		
	Employing one Environmental inspector.	2	The Environmental Inspector has been engaged. He gathers knowledge about the implementation of EMP at site
	Set of environmental standards at site.	2	A Contractor Contract (including the EMP) is available on site, the Contractor's personnel seemed they are aware of the EMP.
2.1(i)	Land use		
	Topsoil removal and replacement at work sites.	2	Topsoil found preserved at separate place and reported that it will be replaced at the time of leaving the site
2.1(ii)	Air		
	Spraying water on dry surfaces (roads and work sites).	3	Spraying of water for dust suppression activities was found during visit.
2.1(iv)	Pollution		

BoQ clause	Item	Score	Comment
	Waste disposal at work sites.	2	Contractor's representative reported the waste generated at site is collected at a place and carried away and dumped in a safe place.
	Waste disposal at worker camps.	2	Waste bins were found at different locations at site.
	Preventing spills of lubricants and fuel.	3	The lubricants and fuel drum is stored in a store under open sky with thick polythin at working site. The lubricants and fuel are carrying in a container to the machine where it is being used. It is reported used oil and lubricants are collected in a container which is then collected by someone and disposed of. No spills of lubricants and fuel was found during the visit.
2.1(v) & 2.4	First aid		
	First-aid box	3	First aid box with necessary equipment is available at site
	Qualified nurse.	2	A nurse was found during visit. It was reported he is available on call from the nearby bazar.
	Safety equipment to prevent accidents/ injuries		
	Helmets & life jackets / buoys.	2	Some equipment available (life jackets) in Contractor's office
	Traffic control signboards.	2	Some signboards containing site information was seen in front of site office and safety warning signs was seen during visit. Safety enclosure was found around some ditches in the site
	Operator room	2	A well maintained air-conditioned room for operator of the batching plant
	Guards / walkways / etc.		Guards are deployed at the sites.
2.3	Safety Inspector		
	Employing one Safety inspector.	2	Safety inspector has been engaged.
2.1(iii)	Sanitation conditions & waste management		

BoQ clause	Item	Score	Comment
	Water supply.	4	4 nos. tube well installed. Tube wells were seen well maintained and protected. The used water are properly drained out
	Sanitation (toilets etc).	3	11 nos. of pucca sanitary toilets with sock pit have been installed. One toilet is for women use only
	Waste management.	2	Waste bins are available. The waste water are disposed in a pit. The overall working site was seen clean

Recommendations:

1. Contractors must step up their performance on EMP implementation, first and foremost by (i) formally assigning and/or properly instructing and supervising a full-time Environmental Inspector, (iii) by monthly reporting on their on-site environmental management.
2. The Supervising Consultant (Site Engineer) is to improve on supervising the Contractor in his obligations with respect to environmental management.
3. The GRM formed by PMO is to be well aware to contractor and supervising consultant's representative so that it could be functioning. It is required to take care of any complaints that may result from land acquisition activities, and therefore needs close cooperation with other ISPMC specialists for example resettlement and institutional development.
4. The Environmental Managements so far adopted should continue up to the end of the work
5. Industrial waste should be kept in a enclosed area
6. Site should be cleared as per contract agreement/sound environmental standard before living the site. Final bill of the contractor should be paid after clearing the site.

ISPMC – Dhaka; 30 June 2019

Md. Amir Faisal

National Environmental Specialist

PART 3 – Pictures taken at Hurasagor (Package W-14) site during the visit



1. Protected generator room



2. Fuel & lubricants are stored under open sky



3. Batching plant



4. Preservation of Top soil



5. Tube well with protected base



6. Batching plant's operator room with AC