

**Reference:** ISPAC JV NHC-EMM  
ISPMC – FRERMIP soniafrermip@gmail.com  
572  
03 January 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, (12<sup>th</sup> Floor) Dhaka-1205, Bangladesh.

**Subject** **Submission of EMP Compliance Monitoring Report of 5 nos Embankment Packages.**

Dear Sir,

Kindly find attached Monitoring Report for EMP Implementation of the Contract Packages - W-01, W-02, W-03, W-04 and W-05/2016-2017 prepared by our National Environmental Specialist for favour of your information and necessary action.

Sincerely Yours,

JV Northwest Hydraulic Consultants – Euroconsult Mott MacDonald



Sharif Al Kamal  
Deputy Team Leader

Attachment: Four

Cc: Office file;  
Knut Oberhagemann, Team Leader, FRERMIP.



ISPMC  
Institutional strengthening and  
project management consultant

Joint Venture:  
**nhc**  
northwest hydraulic consultants

**M**  
MOTT  
MACDONALD

Project Office:  
152/3/B Firoz Tower(13<sup>th</sup> Floor)  
Bir Uttam Kazi Nuruzzaman Road,  
Panthopath Dhaka 1205 Bangladesh

**FRERMIP – Monitoring of EMP Implementation**  
**Md. Moyenuddin (Bashi)- Golam Rabbani const. 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**

<b>Sub-Project</b>	JRB-1		
<b>Location:</b>	Benotia	<b>Monitoring report:</b>	R-2 of 2018
<b>Date of visit:</b>	December 10, 2018	<b>Date:</b>	30 December 2018
<b>Contract:</b>	W-01/2016-2017	<b>By:</b>	Md. Amir Faisal Environmental Specialist
<b>Contractor:</b>	Md. Moyenuddin (Bashi)-Golam Rabbani const. Ltd (JV)		
<b>Contractor's contact:</b>	Md. Asif Iqbal – Project Manager Md. Shahedur Rahman- Env. Inspector Md. Rezwan Uddin-Safety Inspector		
<b>BWDB's contact:</b>	Mr. Ahsan Habib Executive Engineer, Construction Division, Koitola, Bera, Pabna		
<b>On-site ISPMC Consultant's</b>	Mr. Mirza Harunur Rashid, Construction Engineer		

**1-B Main Contract features**

<b>Current Contract</b>	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.
<b>Start of the works</b>	March 05, 2018
<b>End of the works</b>	May 31, 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/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. Mirza Harunur Rashid Mr. Md. Mynuddin,	Construction Engineer Site Engineer

**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 Mr. Md. Rezwan Uddin	Project Manager Site Engineer Environmental Inspector

**1D Summary of observations**

The contractor started work on 05 March 2018. The work is scheduled to complete by 31 May 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 was started and a substantial progress has been achieved. 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.

Construction of regulator was found in progress. 40 nos. was working wearing with safety equipment was seen during visit. A few numbers of bins was found at different locations of the working site but adequate site waste disposal system was absent. 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 four nos. of pucca sanitary toilet with sock pit were found during visit. Fuel and lubricant container was found lying under open sky with leakage in to the ground. 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
<b>2.2</b>	<b>Environmental Inspector</b>		
	Employing one Environmental inspector.	1	A new Environmental Inspector has been engaged but not having knowledge in Environmental management measures to supervise and monitor the EMP. However the Environmental Inspector was advised to go through the EMP section of the contract and act accordingly
	Set of environmental standards at site.	0	A Contractor Contract (including the EMP) is available on site, but it seemed the contractor's personnel is not aware what is described in contract regarding Environmental management at site.
<b>2.1(i)</b>	<b>Land use</b>		
	Topsoil removal and replacement at work sites.	2	It was reported the topsoil has been preserved and will be replaced at the time of leaving
<b>2.1(ii)</b>	<b>Air</b>		

<b>BoQ clause</b>	<b>Item</b>	<b>Score</b>	<b>Comment</b>
	Spraying water on dry surfaces (roads and work sites).	3	Spraying of water for dust suppression activities was found during visit.
<b>2.1.iii</b>	<b>Pollution</b>		
	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
<b>2.1(vi)</b>	<b>Safety equipment to prevent accidents / injuries</b>		
	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.
<b>2.1(v) &amp; 2.4</b>	<b>First aid</b>		
	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.
<b>2.3</b>	<b>Safety Inspector</b>		
	Employing one Safety inspector.	0	A Safety inspector has been employed
<b>2.1(iii)</b>	<b>Sanitation conditions &amp; waste management</b>		
	Water supply.	1	1 no. tube well was found. Tube wells were seen unprotected. The used water are not discharged properly
	Sanitation (toilets etc).	2	4 nos. of pucca sanitary toilets with sock pit was installed.
	Waste management.	1	Waste bins are available; wastewater is drained in an open pit.

**Recommendations:**

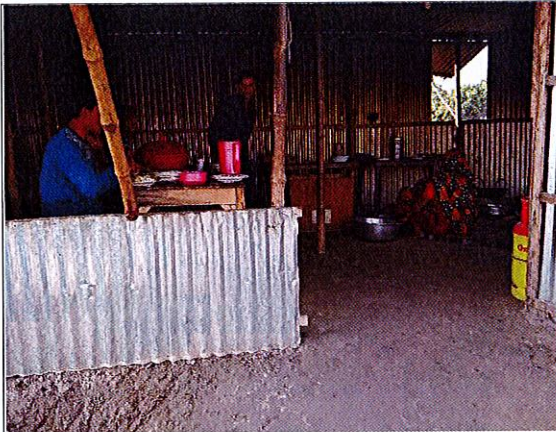
1. Contractors must step up their performance on EMP implementation, first and foremost by (i) formally assigning and/or properly instructing and supervising a full-time Environmental Inspector, (ii) by improving water supply and waste management, (iii) by monthly reporting on their on-site environmental 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. A 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. 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; 10 December 2018

Md. Amir Faisal

National Environmental Specialist

**PART 3 – Pictures taken at Chauhali Bank Protection (Adaptation) site during the visit**



1. Well maintain Kitchen at site



2. Tube well without protection



3. Sanitary toilet with sock pit



4. First aid equipment



5. EMP monitoring team



6. Labors are working wearing helmets

## 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

<b>Sub-Project</b>	JRB-1		
<b>Location:</b>	Benotia	<b>Monitoring report:</b>	R-2 of 2018
<b>Date of visit:</b>	December 10, 2018	<b>Date:</b>	30 December 2018
<b>Contract Package:</b>	W-02 / 2016-2017 & W-03 /2016-2017	<b>By:</b>	Md. Amir Faisal Environmental Specialist
<b>Contractor:</b>	Taher Brothers Ltd.- M.A Enterprise (JV)		
<b>Contractor's contact:</b>	Mehdi Hassan Environmental Inspector		
<b>BWDB's contact:</b>	Mr. Ahsan Habib Executive Engineer, Construction Division, Koitola, Bera, Pabna		
<b>On-site ISPMC Consultant's contact:</b>	Mr. Mirza Harunur Rashid, Construction Engineer ISPMC		



**1-B Main Contract features**

<b>Current Contract</b>	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 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.
<b>Start of the works</b>	March 01, 2018
<b>End of the works</b>	May 31, 2019

**1C Persons met during this visit**

	<b>Party</b>	<b>Name</b>	<b>Position</b>
1	BWDB/SMO	Mr. Ahsan Habib  Mr. Md. Al Amin	Executive Engineer, Construction Division, Koitola, Bera, Pabna,  Sub-Assistant Engineer/Sectional Officer
2	Contractor	Mehdi Hassan	Environmental Inspector
3	Supervising Consultant	Mr. Mirza Harunur Rashid  Mr. Md. Mynuddin,	Construction Engineer  Site Engineer

**Persons met during the previous visit**

	<b>Party</b>	<b>Name</b>	<b>Position</b>
1			
2			

**1D Summary of observations**

The contractor started work on 01 March 2018. The work is scheduled to complete by 31 May 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 are construction of total 7.50 km embankment by dredged earth/sand. The contractor engaged an Environmental Inspector who knows little about the EMP of the contract. Even no contract document including EMP was not found available at site office. No safety Inspector was engaged. It was reported that 10 nos. of labors are working at site.

No safety warning signs and signals were seen during the visit. A few numbers of bins were found. Two nos. of tube well without pucca protection platform and two 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. It was noticed the fuel and lubricant have kept outside the godown in the open sky. Fuel and lubricant containers were found in direct contact with soil.

**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
<b>2.2</b>	<b>Environmental Inspector</b>		
	Employing one Environmental inspector.	1	The Environmental Inspector has been engaged, but little aware about EMP of the contract and of his responsibility
	Set of environmental standards at site.	0	A Contractor Contract (including the EMP) was not available on site. Instructed to keep a readable contract document at site and go through the EMP chapter of the contract.
<b>2.1(i)</b>	<b>Land use</b>		
	Topsoil removal and replacement at work sites.	0	No activities was found to restore the topsoil
<b>2.1(ii)</b>	<b>Air</b>		
	Spraying water on dry surfaces (roads and work sites).	0	No Spraying of water for dust suppression activities was found during visit.
<b>2.1(iv)</b>	<b>Pollution</b>		
	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	A waste bins was found in front of the kitchen.
	Preventing spills of lubricants and fuel.	0	Fuel and lubricant dram were kept in open sky and were direct contact with soil.
<b>2.1(v) &amp; 2.4</b>	<b>First aid</b>		
	First-aid box	2	First aid box with necessary equipment is available at site

BoQ clause	Item	Score	Comment
	Qualified nurse.	2	A nurse is available on call from the nearby bazar.
	<b>Safety equipment to prevent accidents / injuries</b>		
	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.
<b>2.3</b>	<b>Safety Inspector</b>		
	Employing one Safety inspector.	0	Safety inspector has not been employed
<b>2.1(iii)</b>	<b>Sanitation conditions &amp; waste management</b>		
	Water supply.	2	2 nos. tube well installed. Tube wells were seen unprotected 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:

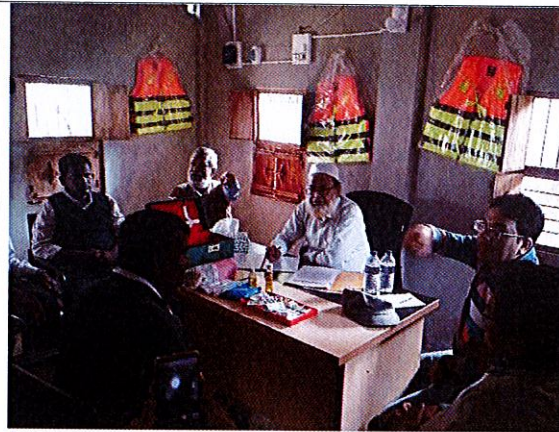
- Contractors must step up their performance on EMP implementation, first and foremost by (i) formally assigning and/or properly instructing and supervising a full-time Environmental Inspector and safety inspector, (ii) by improving water supply and waste management, (iii) by monthly reporting on their on-site environmental management.
- The Supervising Consultant (Site Engineer) is to improve on supervising the Contractor in his obligations with respect to environmental management.
- 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.
- PMO is to adopt a system for sharing and following up on ISPMC's EMP compliance monitoring reports.
- A 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
- 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; 10 December 2018

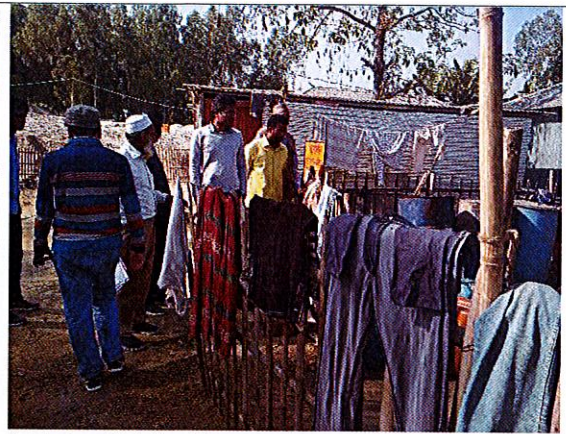
Md. Amir Faisal National

Environmental Specialist

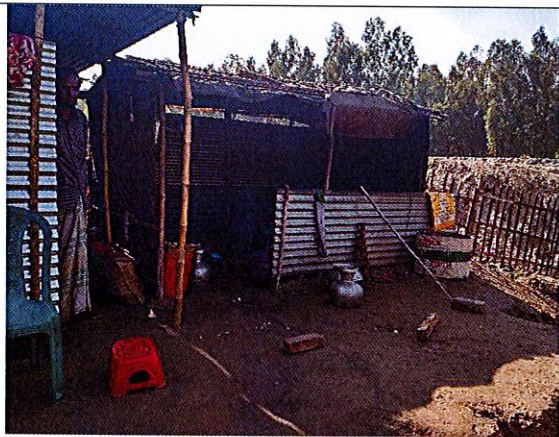
**PART 3 – Pictures taken at banutia Embankment (Package-02) site during the visit**



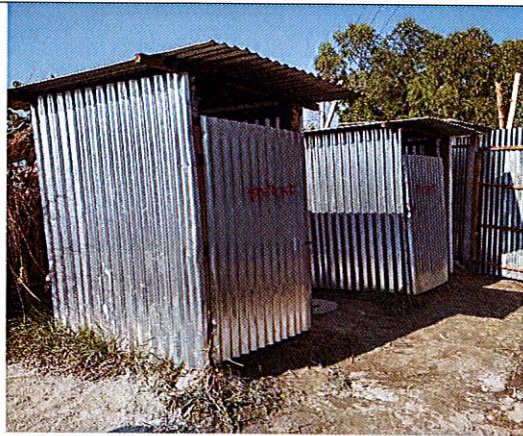
1. Meeting with contractor's representatives



2. Fuel and lubricant in open sky



3. Kitchen with roof and wall



4. Sanitary toilet with sock pit



5. Construction of Embankment



6. No action taken for dust suppression

**FRERMIP – Monitoring of EMP Implementation**  
**HB-SSECL (JV)**  
**(Contact Package W-04/2016-2017)**

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

PART 3: Pictures taken during the monitoring visit

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- (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**

<b>Sub-Project</b>	JRB-1		
<b>Location:</b>	Verakhola	<b>Monitoring report:</b>	R-3 of 2018
<b>Date of visit:</b>	December 10, 2018	<b>Date:</b>	30 December 2018
<b>Contract:</b>	W-04 / 2016-2017	<b>By:</b>	Md. Amir Faisal Environmental Specialist
<b>Contractor:</b>	HB-SSECL (JV)		
<b>Contractor's contact:</b>	Md. Sohel Sarker– Project Manager Md. Sawpon Ali- Env. Inspector Md. Rubel Rana- Safety Inspector Md. Atique Hasan- Nurse		
<b>BWDB's contact:</b>	Mr. Ahsan Habib Executive Engineer, Construction Division, Koitola, Bera, Pabna,  Mr. Md. Al Amin Sub-Assistant Engineer/Sectional Officer		
<b>On-site ISPMC Consultant's contact:</b>	Mirza Harunur Rashid, Construction Engineer <b>Md. Mynuddin, Site Engineer</b>		

**1-B Main Contract features**

<b>Current Contract</b>	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.
<b>Start of the works</b>	March 01, 2018
<b>End of the works</b>	May 31, 2019

**1C Persons met during this visit**

	<b>Party</b>	<b>Name</b>	<b>Position</b>
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	Project Manager Environmental Inspector Safety Inspector Nurse
3	Supervising Consultant	Mirza Harunur Rashid <b>Md. Mynuddin</b>	Construction Engineer Site Engineer

**Persons met during the previous visit**

	<b>Party</b>	<b>Name</b>	<b>Position</b>
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 Mr. Md. Alamgir Hossain	Project Manager Nurse
3	Supervising Consultant	Mr. Md. Nurul Amin	Site Engineer-1

**ID Summary of observations**

The contractor started work on 01 March 2018. The work is scheduled to complete by 31 May 2019. Main work are construction of 4.80 km embankment by dredged earth/sand and construction of 1 no. regulator. During visit it was found that casting of RCC pre cast pile and manufacturing of C. C blocks for regulator has been completed. It was reported that about 15 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. Four 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. It was observed that the fuel and lubricant have been nicely preserve in a well-protected godown near the site.

**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
<b>2.2</b>	<b>Environmental Inspector</b>		
	Employing one Environmental inspector.	2	The Environmental Inspector has been engaged.
	Set of environmental standards at site.	2	A Contractor Contract (including the EMP) is available on site, the Contractor's personnel seemed they were not aware of the EMP.
<b>2.1(i)</b>	<b>Land use</b>		
	Topsoil removal and replacement at work sites.	2	It was reported the topsoil has been preserved and will be replaced at the time of leaving
<b>2.1(ii)</b>	<b>Air</b>		
	Spraying water on dry surfaces (roads and work sites).	3	Spraying of water for dust suppression activities was found during visit.
<b>2.1(iv)</b>	<b>Pollution</b>		

<b>BoQ clause</b>	<b>Item</b>	<b>Score</b>	<b>Comment</b>
	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 not found during the visit.
<b>2.1(v) &amp; 2.4</b>	<b>First aid</b>		
	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.
	<b>Safety equipment to prevent accidents/ injuries</b>		
	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.
<b>2.3</b>	<b>Safety Inspector</b>		
	Employing one Safety inspector.	0	Safety inspector has been engaged.
<b>2.1(iii)</b>	<b>Sanitation conditions &amp; waste management</b>		
	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	5 nos. of pucca sanitary toilets with sock pit have been installed.
	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.

ISPMC – Dhaka; 30 June 2018

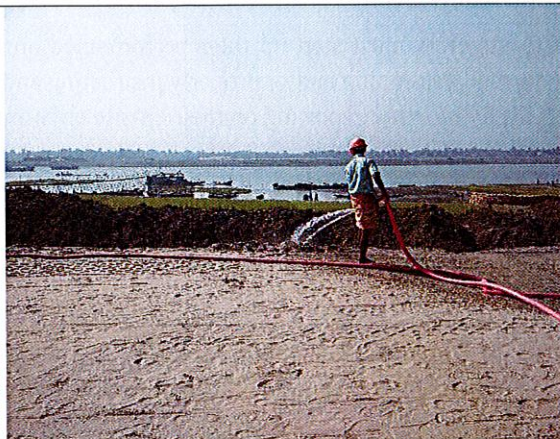
Md. Amir Faisal

National Environmental Specialist

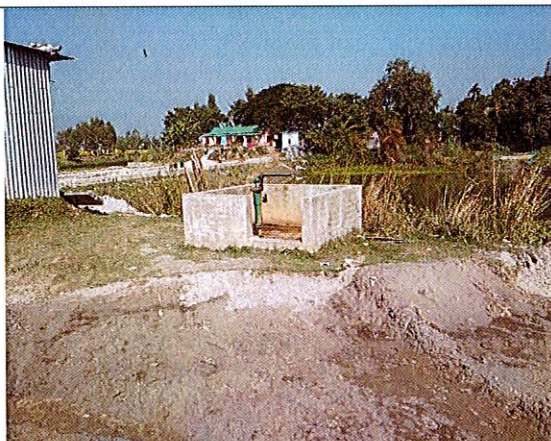
PART 3 – Pictures taken at HB-SSECL, JV (Package-04) site during the visit



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



2. Water is being spraying on road for dust suppression



3. Tube well with protection



4. Safety warning signboard displayed at site



5. Sanitary toilet with sock pit



6. First-aid services

**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**

<b>Sub-Project</b>	JRB-1		
<b>Location:</b>	Andharmanik	<b>Monitoring report:</b>	R-3 of 2018
<b>Date of visit:</b>	December 10, 2018	<b>Date:</b>	30 December 2018
<b>Contract Package:</b>	W-05 / 2016-2017	<b>By:</b>	Md. Amir Faisal Environmental Specialist
<b>Contractor:</b>	Md. Moyenuddin (Bashi)-Golam Rabbani const. Ltd (JV)		
<b>Contractor's contact:</b>	Md. Nur-a-Alam Khan – Project Manager		
<b>BWDB's contact:</b>	Mr. Ahsan Habib Executive Engineer, Construction Division, Koitola, Bera, Pabna		
<b>On-site ISPMC Consultant's contact:</b>	Mr. Mirza Harunur Rashid, Construction Engineer ISPMC		

**1-B Main Contract features**

<b>Current Contract</b>	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.
<b>Start of the works</b>	March 01, 2018
<b>End of the works</b>	May 31, 2019

**1C Persons met during this visit**

	<b>Party</b>	<b>Name</b>	<b>Position</b>
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. Mirza Harunur Rashid Mr. Md. Mynuddin,	Construction Engineer Site Engineer

**Persons met during the previous visit**

	<b>Party</b>	<b>Name</b>	<b>Position</b>
1			
2			

**1D Summary of observations**

The contractor started work on 01 March 2018. The work is scheduled to complete by 31 May 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, c.c block for regulator were being manufactured by two nos. of concrete mixture. It was reported that about 150 nos. of labors are working 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 working at the site. The worker’s camp and surrounding area is maintained nicely. 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 two 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. It was noticed the fuel and lubricant have kept outside the godown in the open sky.

**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
<b>2.2</b>	<b>Environmental Inspector</b>		
	Employing one Environmental inspector.	2	The Environmental Inspector has been engaged, seemed not aware of his responsibility
	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.
<b>2.1(i)</b>	<b>Land use</b>		
	Topsoil removal and replacement at work sites.	2	It was reported the topsoil has been preserved and will be replaced at the time of leaving
<b>2.1(ii)</b>	<b>Air</b>		
	Spraying water on dry surfaces (roads and work sites).	3	Spraying of water for dust suppression activities was found during visit.
<b>2.1(iv)</b>	<b>Pollution</b>		
	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 dram is stored in a store near the working site. But

<b>BoQ clause</b>	<b>Item</b>	<b>Score</b>	<b>Comment</b>
			some fuel and lubricant dram were kept in open sky. The lubricants and fuel are carrying in a container to the machine where it is being used.
<b>2.1(v) &amp; 2.4</b>	<b>First aid</b>		
	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.
	<b>Safety equipment to prevent accidents / injuries</b>		
	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.
<b>2.3</b>	<b>Safety Inspector</b>		
	Employing one Safety inspector.	0	Safety inspector has been employed
<b>2.1(iii)</b>	<b>Sanitation conditions &amp; waste management</b>		
	Water supply.	4	2 nos. tube well installed. Tube wells were seen well maintained and protected. The used water are properly
	Sanitation (toilets etc).	3	4 nos. of pucca sanitary toilets with sock pit was installed.
	Waste management.	2	Waste bins are available. The waste water are disposed in a pit. The overall working site was seen clean

**Recommendations:**

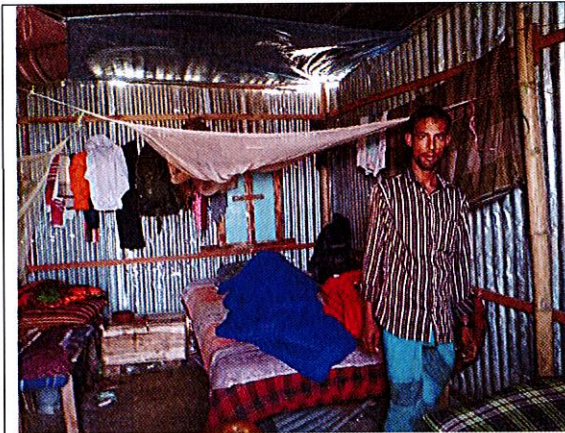
1. Contractors must step up their performance on EMP implementation, first and foremost by (i) formally assigning and/or properly instructing and supervising a full-time Environmental Inspector, (ii) by improving water supply and waste management, (iii) by monthly reporting on their on-site environmental 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. A 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. 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; 10 December 2018

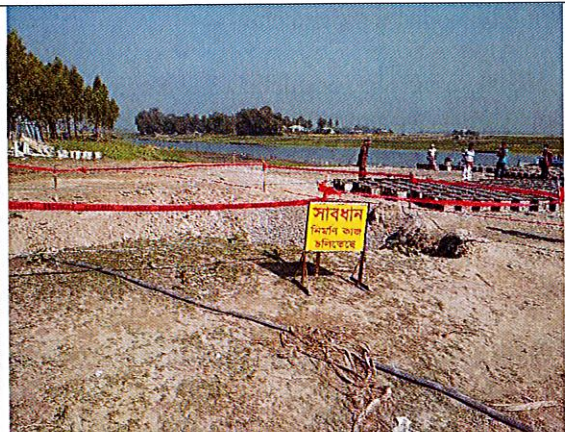
Md. Amir Faisal

National Environmental Specialist

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



1. Labour shed at Andermanik site



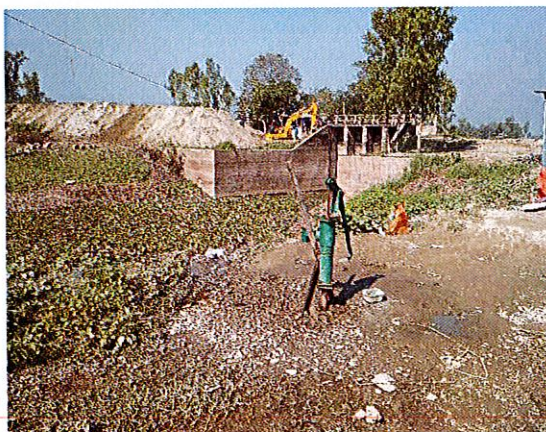
2. Safety warning sign at working site



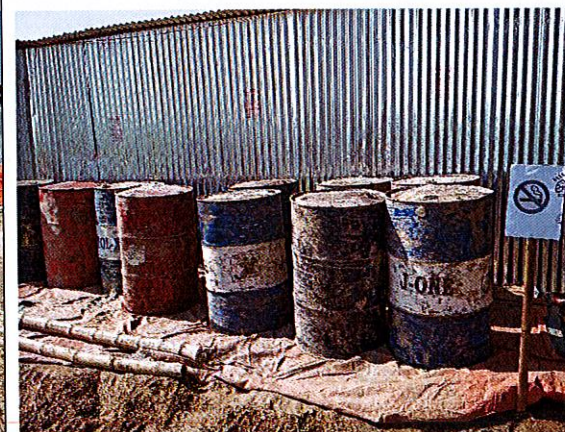
3. First aid box with medical equipment



4. Waste bin at site



5. Tube well with unprotected base



1. Fuel and lubricant kept in open sky