

Reference: ISPMC JV NHC-EMM
ISPMC- FRERMIP- soniafrermip@gmail.com
509/1

30 June 2018

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

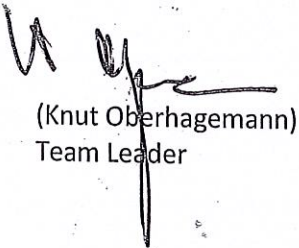
Subject: EMP compliance monitoring reports for Kojjuri Embankment site (Contract Packages W-01/2016-17) and Verakhola Embankment site (Contract Package-04/2016-17)

Dear Sir,

Kindly find attached herewith EMP Compliance Monitoring Report for the subject mentioned contract package prepared by our national Environment Specialist for your further necessary action.

Sincerely,

JV Northwest Hydraulic Consultants – Euroconsult Mott MacDonald


(Knut Oberhagemann)
Team Leader

Enclosure: Kojjuri Embankment site (Contract Package W-01/2016-17) and Verakhola Embankment site (Contract Package-04/2016-17)

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



**FRERMIP – Monitoring of EMP Implementation
Kojjuri Embankment Site
(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:	Kojjuri	Monitoring report:	R-2 of 2018
Date of visit:	June 30, 2018	Date:	30 June 2018
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. Rakibul Islam- Site Engineer Md. Rezauddin- Env. Inspector		
BWDB's contact:	Mr. Md. Rasel Fakir Sub-Assistant Engineer/Sectional Officer, Construction Section-3		
On-site ISPMC Consultant's contact:	Mr. Md. Nurul Amin Site Engineer-1		

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

1C Persons met during this visit

	Party	Name	Position
1	BWDB/SMO	Mr. Md. Rassel Fakir	Sub-Assistant Engineer/SO
2	Contractor	Mr. Md. Asif Iqbal Mr. Md. Rakibul Islam Mr. Md. Rezauddin	Project Manager Site Engineer Environmental Inspector
3	Supervising Consultant	Mr. Md. Nurul Amin	Site Engineer-1

Persons met during the previous visit

	Party	Name	Position
1			
2			

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.

During the visit it was noted that the contractor was very much reluctant about the compliance of environmental issues even the contractor's personnel were not at all aware about the task what is to be taken in compliance to EMP. The contractor engaged an Environmental Inspector to oversee the environmental and safety issues at the site but it appeared that he is not aware at all about the Environmental management works even what has been mentioned in the Bill of quantities, bill no-2. Safety inspector was yet to engage. The contractor's representative informed that they just started the work for which they didn't address all the environmental issues properly. They also assured that they will take all necessary steps to address the EMP mentioned in the contract. A few numbers of bins were 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. Two nos. 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 stays at Kojjuri bazar.

1F. Circulation (recommended)

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

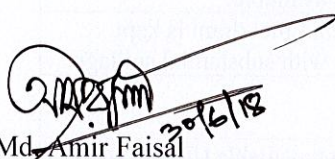
Scoring key: 4 = excellent; 3 = good; 2 = fair; 1 = poor; 0 = non-compliant

BoQ clause	Item	Score	Comment
2.2	Environmental Inspector		
	Employing one Environmental inspector.	1	The Environmental Inspector has been engaged not having knowledge in Environmental management measures to

BoQ clause	Item	Score	Comment
			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 not available on site, however the Contractor's personnel seemed not to have seen the EMP enclosed in it yet advising the contractor to keep a copy of the contract so that the contractor's representative could know what action they are to take for EMP compliance
2.1(i)	Land use		
	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
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 available.
	Preventing spills of lubricants and fuel.	0	The lubricants and fuel dram is kept under open sky with substantial spillage
2.1(vi)	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 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.	0	Safety inspector has not been employed yet.
2.1(iii)	Sanitation conditions & waste management		
	Water supply.	1	2 nos. tube well installed. 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.



Md. Amir Faisal
National Environmental Specialist
ISPMC, FRERMIP.

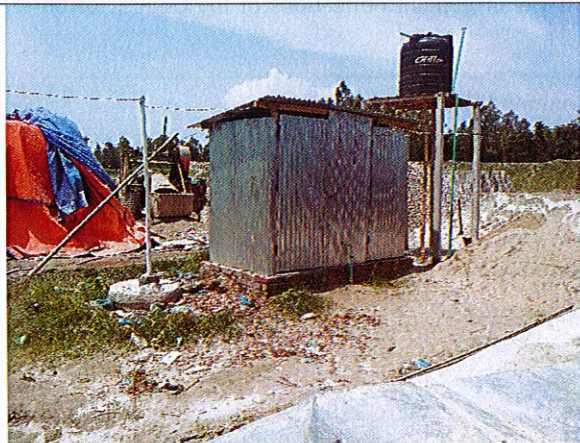
PART 3 – Pictures taken at Chauhali Bank Protection (Adaptation) site during the visit



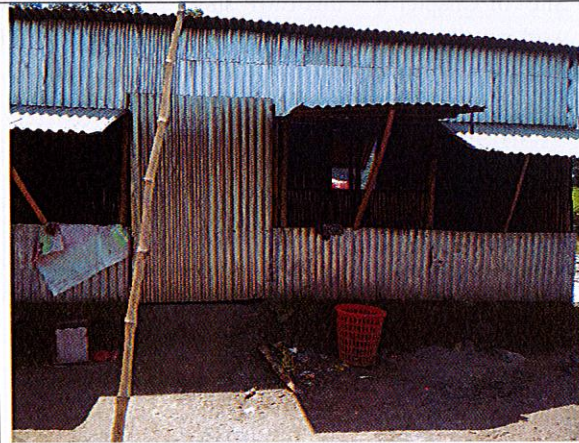
1 Meeting at site with representatives of SMO, ISPMC and Contractor



2. Tube well without protection



3. Sanitary toilet with sock pit



4. Waste bin are available in front of kitchen



5. Safety warning sign displayed at site



6. Labors are working wearing helmets

**FRERMIP – Monitoring of EMP Implementation
Verakhola Embankment Site
(Contact Package W-04/2016-2017)**

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- (iv) 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-2 of 2018
Date of visit:	June 30, 2018	Date:	30 June 2018
Contract:	W-04 / 2016-2017	By:	Md. Amir Faisal Environmental Specialist
Contractor:	HB-SSECL (JV)		
Contractor's contact:	Md. Sohel Sarker– Project Manager Md. Alamgir Hossain- Nurse		
BWDB's contact:	Mr. Ahsan Habib Executive Engineer, Construction Division, Koitola, Bera, Pabna, Mr. Md. Al Amin Sub-Assistant Engineer/Sectional Officer		
On-site ISPMC Consultant's contact:	Mr. Md. Nurul Amin Site Engineer-1		

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

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 Offier
2	Contractor	Mr. Md. Sohel Sarker Mr. Md. Alamgir Hossain	Project Manager Nurse
3	Supervising Consultant	Mr. Md. Nurul Amin	Site Engineer-1

Persons met during the previous visit

	Party	Name	Position
1			
2			

1D Summary of observations

The contractor started work on 01 March 2018. The work is schedule 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 was started. It was reported that about 42 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

It was reported that, the contractor engaged an Environmental Inspector to oversee the environmental issues at the site who is on leave on the visit date. So could not talk with the engaged Environmental Inspector. Safety inspector is yet to engage-assured to engage when the work will be started in full swing. 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 with pucca protected platform and three 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 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

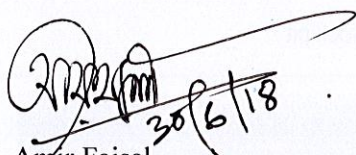
Scoring key: 4 = excellent; 3 = good; 2 = fair; 1 = poor; 0 = non-compliant

BoQ clause	Item	Score	Comment
2.2	Environmental Inspector		
	Employing one Environmental inspector.	2	The Environmental Inspector has been engaged, but he was on leave during the visit
	Set of environmental standards at site.	0	A Contractor Contract (including the EMP) is not available on site, however the Contractor’s personnel seemed they were aware of the EMP.
2.1(i)	Land use		
	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
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	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.
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 warning signs was seen during visit.
	Guards / walkways / etc.		Guards are deployed at the sites.
2.3	Safety Inspector		
	Employing one Safety inspector.	0	Safety inspector has not been employed yet.
2.1(iii)	Sanitation conditions & waste management		
	Water supply.	4	2 nos. tube well installed. Tube wells were seen well maintained and protected. The used water are properly

BoQ clause	Item	Score	Comment
	Sanitation (toilets etc).	3	3 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

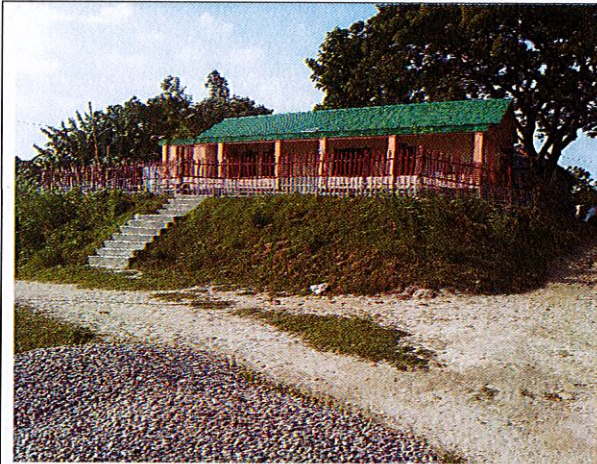
Recommendations:

7. 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.
8. The Supervising Consultant (Site Engineer) is to improve on supervising the Contractor in his obligations with respect to environmental management.
9. 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.
10. PMO is to adopt a system for sharing and following up on ISPMC's EMP compliance monitoring reports.
11. 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
12. For future Contractor's contracts the EMP section should be revisited and amended, based on experience gained in implementing the pilot area works.



Md. Amir Faisal
National Environmental Specialist
ISPMC, FRERMIP.

PART 3 – Pictures taken at Verakhola Embankment (Package-04) site during the visit



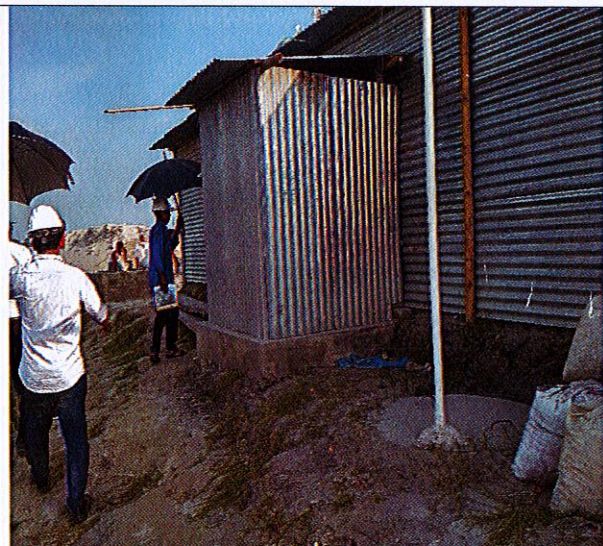
1. Well maintained site Office at Verakhola



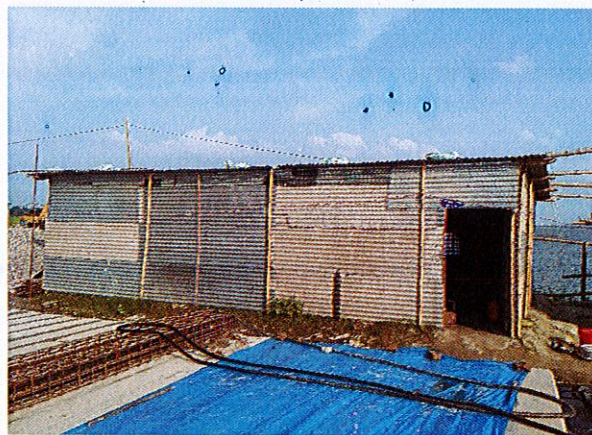
2. Meeting at site with representatives



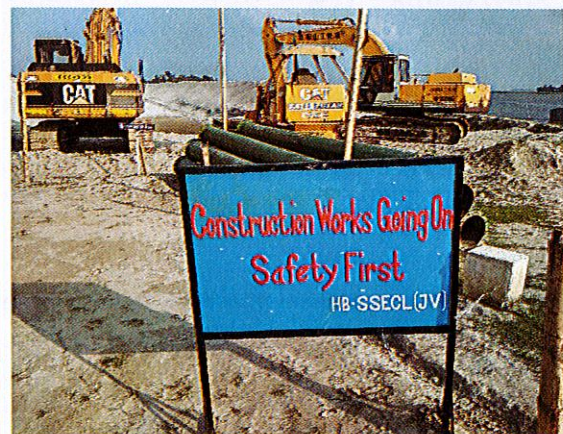
3. Tube well without protection



4. Sanitary toilet with sock pit



5. Labour shed



1. Safety warning sign at working site