

MULTIPURPOSE DISASTER SHELTER PROJECT (MDSP)
Monitoring & Evaluation (M&E) Consultant

FIELD VISIT REPORT

1. Period of Visit : 22 November – 23 November 2017
2. Location of Visit : Bhola District.
3. Participant of visit : A.H.M. Mahbubur Rahman, TL, M&E Consultant,
Md. Matiur Rahman, Civil Engineer/ M&E Specialist, M&E Consultant,
4. Officials met during Visit :

LGED OFFICIALS

- Mr. Subrata Mazumder, Assistant Engineer, MDSP, LGED, Bhola
- Mr. K.M Rezaul Karim, Upazila Engineer, LGED, Char Fasson UZ, Bhola

D&S CONSULTANTS

- Mr. Abdul Hamid Khan, RRE, Barisal Region, D&S Consultant;
- Mr. Md. Rafiqul Islam, Field Resident Engineer, D&S Consultant, Bhola;
- Mr. Syed Habibur Rahman, Field Supervisor, D&S Consultant, Bhola;

CONTRACTORS' PERSONNEL

- Mr. Md. Asaduzzaman, Project Manager, Pkg. No. MDSP-II-7-LPI-O-NW-02, M/S Toma Construction & Co. Ltd.
- Mr. Md. Anisur Rahman, Deputy Project Manager, Pkg. No. MDSP-II-7-LPI-O-NW-02, M/S Toma Construction & Co. Ltd.
- Mr. Md. Anisur Rahman, Deputy Project Manager, Pkg. No. MDSP-II-7-LPI-O-NW-02, M/S Toma Construction & Co. Ltd.
- Mr. Toufiq Ahmed, Planning Engineer, Pkg. No. MDSP-II-7-LPI-O-NW-02, M/S Toma Construction & Co.
- Mr. Md. Oliur Rahman, Community Organiser, Pkg. No. MDSP-II-7-LPI-O-NW-02, M/S Toma Construction & Co. Ltd.
- Mr. Md. Saifur Rahman Abir, Community Organiser, Pkg. No. MDSP-II-7-LPI-O-NW-02, M/S Toma Construction & Co. Ltd.
- Mr. Md. Rasel Ahmed, Site Engineer, Pkg. No. MDSP-II-7-LPI-O-NW-02, M/S Toma Construction & Co. Ltd.
- Mr. Md. Shahidul Islam, Site Engineer, Pkg. No. MDSP-II-7-LPI-O-NW-02, M/S Toma Construction & Co. Ltd.
- Mr. Md. Sohel Rana, Site Engineer, Pkg. No. MDSP-II-7-LPI-O-NW-02, M/S Toma Construction & Co. Ltd.

SMC

- Mr. Md. Hazrat Ali, Asstt. Teacher, Dakhin Fakira Co-Aid GPS at Char Fasson UZ

5. Activities of Visit : **Monitoring the Field Activities of MDSP**

6. Sites visited :
The following Shelters sites were visited:-

Package no. MDSP-II-7-LPI-O-NW-02:

- i) BHP-227: Dakhin Fakira Co-Aid GPS cum CS at Char Fassio UZ;
- ii) BHP-302: Uttar Char Aicha GPS cum CS at Char Fassio UZ;
- iii) BHP-303: Uttar Sosivushon GPS cum CS at Char Fassio UZ;
- iv) BHP-27: Advocate Yunus Miah GPS cum CS at Bhola Sadar UZ;
- v) BHP-43: Dakhin Purbo Kandrakpur GPS cum CS including Shelter Connecting Road (900m) at Bhola Sadar UZ;

7. Findings and Observations of M&E Consultants:

A. General:

The M&E Consultants undertake the field visits as part of its obligation to perform the following:

- a) Overall monitoring and evaluation of project implementation activities;
- b) Carry out independent monitoring of project progress, inputs, outputs and outcomes and impact of project interventions at different point time;
- c) Supervise compliance of social and environmental safeguards;
- d) Propose recommendations for appropriate corrective actions, if any.

B. Physical works:

The M&E Consultants visited the following shelter sites:

Construction of New Shelters including Shelter Connecting Road

The M&E team visited 5 nos. under construction new shelter sites in Char Fassio and Bhola Sadar upazilas of Bhola district.

- The reported physical progress of the construction of the 5 new shelter works are as follows: **BHP-227: 22%; BHP-302: 24%; BHP-303: 24%; BHP-27: 23%, and BHP-43: 20%** (Including construction of Shelter Connecting Road).

- It was very encouraging to see that a common '**Construction Schedule**' for all the 29 shelters under the package has been prepared and hung in the site display board (**Photo:1**). The construction schedule is an essential instrument **to program and monitor** the construction activities. The same schedule has been prepared for all the 29 new shelters. It is however, not practicable to follow the same schedule for all the shelters. Shelter wise individual construction schedules ought to have been prepared.

Different construction task elements have been shown in a diagram that indicates the proposed start and completion dates. It is necessary to monitor the actual dates of implementation of the various work elements against targets. This is missing.

Photo:1

Task	Start Date	Completion Date
Shelter Construction	1/1/2014	1/1/2015
Shelter Connecting Road	1/1/2014	1/1/2015
Shelter Furniture	1/1/2014	1/1/2015

Monitoring of the actual implementation of the various work elements against targets should be done. If necessary, the schedules may be periodically updated and followed up.

On the day of site visit, we found that physical progress is at per schedule in 3 out of 5 shelters. In the remaining 2 shelters (**BHP-227 and BHP-43**), the physical work is behind the schedule. The contractor's representative informed that the delay in **BHP-227** is due to late receipt of permission to undertake pile load test and pile integrity test.

- No **site plan** showing the demarcated storage yard of construction materials, labour sheds, tube wells and toilets for construction labours, waste disposal sites etc. was available at any working site. Site Plan is an essential document particularly in respect of ensuring environmental as well as social safeguard aspect during construction activities.
- Contractor has deployed insufficient nos. of site engineers. Required nos. of site engineers as per contract should be deployed immediately.

The quality of construction materials procured at sites appears good. Design arrangement of setting pile heads into pile caps as shown in the drawing has not been properly followed. The D&S Consultants Engineers informed that the site engineer was properly advised to follow the design drawings. This happened due to unskilled workmanship of the Site Supervisor and the Foremen.

- Out of the 5 nos. sites visited, 2 nos. belong to Option 1 and 3 nos. belong to Option 5. All Options are three storeyed building with provision of livestock floor at 1st floor. Option 1 design has a provision of 59 nos. cast in situ piles having pile diameter of 500 mm and Option 5 with provision of 67 nos. cast in situ piles having the same pile diameter.
- Reinforcement steel have not been properly stacked at sites (**Photo: 2**). This should be ensured rectified. Curing is very important for concrete works. It has been observed that this aspect has been given due care.
- The existing school building is in a very dilapidated condition (**Photo: 3**). The new school cum shelter building will greatly improve the environment for excellent education.



- **BHP-227:** all cast-in situ piles have been cast and breaking of pile heads is in progress (**Photo:4**). At the same time arrangement for pile load test is in progress (**Photo:5**).



- The physical works in **BHP-302** are limited to the re-bar placement and placement of steel shuttering materials related to casting of pile caps and connecting bracing beams (**Photo:6**).



In **BHP-303**, Soling and CC work below all pile caps have been done. No physical works were in progress except fabrication and placement of re-bar for pile caps. The site was found to be filled with stagnant water (**Photo:7**). MS rods have been stacked in a manner which may cause accident (**Photo:8**).



- **BHP 27:** Casting of pile caps and connecting bracing beams have been completed. Works are still limited to the construction of Pedestal columns below Grade Beams (**Photo:9**). Excavated earth has been stacked irregularly and haphazardly (**Photo: 10**).



Advised to immediately remove the earth to demarcates waste disposal area. MS rods are kept scattered over sand heap (**Photo:11**).

- **BHP-43:** The physical works are limited to concreting of cast in situ piles. 37 nos. of cast in situ piles out of 59 nos. have been completed.



Shelter Connecting Roads

BHP-43: There is provision of shelter connecting road of length of 400 m connecting school cum shelter (Dakhin Purbo Kandrapur GPS cum CS). Construction work of the road has been started. Preparation of 10" thick Improved Sub-Grade has been completed. Preparation of 6" thick Improved Sub-Base including brick edging at two sides of the road is in progress (**Photo:12**). The quality of collected bricks is fairly good (**Photo:13**). Physical progress of the construction of road is about 15%.



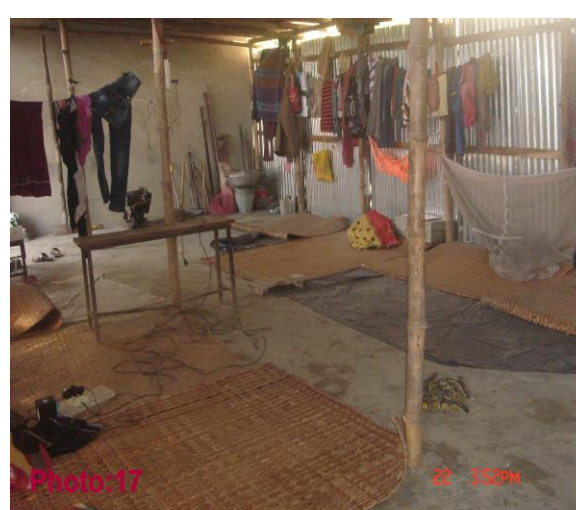
C. Compliance of Environmental Safety Measures.

• The BoQ provides as many as 13 items related to environmental safety measures as identified during environmental assessment of subprojects. The contractor is to engage Community Organizer to monitor the implementation of EMPs. Mr. Md. Oliur Rahman, Community Organizer and Mr. Md. Saifur Rahman Abir, Community Organizer, both of Pkg. No. MDSP-II-7-LPI-O-NW-02 were met in the field. Our observations on the general compliance of the EMPs are as follows:

- **Uninterrupted Schooling:** There is provision of construction of temporary sheds for class accommodation where existing building has to be dismantled for construction works. This has been done at some places (**Photo:14**).
- **Posting of Signboard:** Sign boards of contract information as also EMP and SMP measures were found at all sites. (**Photo:15**).



- **Erection of Safety Fence:** Safety barrier has been erected in all construction sites to keep the students and public away to avoid danger of accident. The quality of fencing work is good (**Photo:16**).
- **Labor Shed:** Labor sheds made of CI sheets have been erected (**Photo:17**). Ventilation provision should be made.



- **Site Camp Office:** Site camp offices have been constructed but these are lagging required furniture like racks, almirah to keep important documents (**Photo:18**).
- **First Aid Box:** First Aid Kits to ensure adequate safety gears for workers was available at sites to meet emergency accidental injuries. Some of the labors were seen to use safety gears such as vests, hand gloves, boots and other safety devices while at work.



- **Water Supply and Sanitation Facility:** As primary school cum cyclone shelter, all sites have drinking water and sanitary facilities. In addition, contractor has installed tube wells for supply of water for drinking purposes and construction works (**Photo: 19**).
- **Air/Dust Pollution:** In some sites, sand was kept under cover to stop dust pollution while in some sites, these were kept exposed. This should always be kept under cover to prevent dust pollution.



- **Noise Pollution:** Construction activities generally create noise pollution particularly during class hours. As a mitigation measure, construction timing should be so set that it does not coincide with school hours.
- **Surface and Ground Water Pollution:** No noticeable water pollution was observed. No sources (spillages, leakages of polluting materials) of surface water pollution were noticed.
- **Drainage Congestion/ Water Logging:** No drainage congestion/water logging problem was observed.

- **Waste disposal/Management:** No planned practice of waste disposal particularly disposing construction debris was observed. Under-construction debris and garbage are kept haphazardly. Garbage must be stockpiled and removed to a pre-designated waste disposal area. (**Photo:20**). FREs/ site supervisors should monitor this issue strictly.



D. Compliance of SMP and RMP

For Shelters, LGED generally do not prepare RAP involving acquisition of land and resettlement of the PAPs as the shelters are mostly built in the premises of Government Primary Schools. During field visit, no problem relating to land and resettlement of PAPs was observed.

E. Conclusion.

MDSP-II-7-LPI-O-NW-02 is an ICB contract. It is expected that M/S Toma Construction & Co. Ltd., a renowned contractor selected for the ICB package will execute works most efficiently meeting all the contractual obligations complying QAP, EMP, SMP etc. properly demonstrating the flavour and excellence of an ICB contract having distinct difference from that of an NCB contract. Right at the beginning of the implementation works of the package, we would like to emphasize upon all concerned of the importance of the issue mentioned above.

Finally, we express our deep appreciation and thanks to the field personnel of LGED, the DS Consultants, School Authorities, Teachers and the Contractors for their kind cooperation extended to us during the field visit.

A.H.M.Mahbubur Rahman,
Team Leader, M&E Consultants,
MDSP, LGED