

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

**FIELD VISIT REPORT**

---

1. Period of Visit : 21 November 2017
2. Location of Visit : Barisal 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. Molla Mizanur Rahman, Executive Engineer, LGED, Barisal

**D&S CONSULTANTS**

- Mr. Abdul Hamid Khan, RRE, Barisal Region, D&S Consultant;
- Mr. Uttam Kumar Hawlader, Field Resident Engineer, D&S Consultant, Barisal;
- Mr. Abdur Rahman, Field Supervisor, D&S Consultant, Barisal;

**CONTRACTORS' PERSONNEL**

- Mr. Md. Nurul Islam, Area Manager, Pkg. No. MDSP-II-7-LPI-O-NW-01, M/S Navana Construction Ltd.
- Mr. Biplob Hossain, Community Co-ordinator, Pkg. No. MDSP-II-7-LPI-O-NW-01, M/S Navana Construction Ltd.
- Mr. Shariful Islam, Site Engineer, Pkg. No. MDSP-II-7-LPI-O-NW-01, M/S Navana Construction Ltd.
- Mr. Asaduzzaman, Site Manager, Pkg. No. MDSP-II-7-LPI-O-NW-01, M/S Navana Construction Ltd.
- Mr. Salahuddin, Site Engineer, Pkg. No. MDSP-II-7-LPI-O-NW-01, M/S Navana Construction Ltd.
- Mr. Shamim, Site Engineer, Pkg. No. MDSP-II-7-LPI-O-NW-01, M/S Navana Construction Ltd.

5. Activities of Visit : **Monitoring the Field Activities of MDSP**
6. Sites visited :

The following Shelters sites were visited:

**Pkg. No. MDSP-II-7-LPI-O-NW-01:**

- i) BP-113: Mid Boalia GPS cum CS at Bakergonj UZ;
- ii) BP-246: 134 Hasemea GPS cum CS at Bakergonj UZ;
- iii) BP-252: 133 Parshipur GPS cum CS at Bakergonj UZ;
- iv) BP-706: Raypura GPS cum CS at Barisal 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. General observations are given below: -

**Construction of New Shelters**

The M&E team visited 4 nos. under construction new shelter sites in Bakergonj and Barisal Sadar upazilas of Barisal district.

- The reported physical progress of the construction of the 4 new shelter works are as follows: **BP-113: 29%; BP-246: 40%; BP-252: 29% and BP-706: 27%.**
- No construction schedule was available at any working site. This is an essential instrument to monitor construction activity. The schedule clearly depicts status of progress against target at any point of time. Construction schedule for individual structures should be prepared and monitored by the responsible persons. If necessary, the schedules may be periodically upgraded.
- The site plan showing locations of site office, storage yard, labour sheds, rebar fabrication area, tube wells, toilets for labours, waste disposal sites etc. was not available at any working site.
- The sub-project signboards provide information about total completion period as 24 months but the actual dates of commencement and completion are not given. However, it appeared that the overall progress of works at all construction sites is too slow. Contractor deployed sufficient nos. of supervisory persons but the slow progress of works is reported to be due to unplanned deployment of skilled workers. If sufficient measures for planned implementation of works are not taken right now, it will be difficult to complete construction works in time.
- Out of the 4 nos. sites visited under the package, 3 nos. belong to Option 1 and 1 no. belongs to Option 3. All Options are three storeyed building with provision of livestock floor at 1<sup>st</sup> floor. Option 1 design has a provision of 59 nos. cast in situ piles having pile diameter of 500 mm and Option 3 with provision of 67 nos. cast in situ piles having the same pile diameter.
- **NS-BP-113:** Physical works are limited to the casting of some column kickers above Grade Beams (**Photo: 1**) and also in the placement of steel shuttering materials for some columns at ground floor (**Photo: 2**).



- **NS-BP-246:** Progress of physical works is more advanced compared to works of other shelter sites visited in Barisal district (**Photo: 3**). Placement of rebar & steel shuttering materials in beams & slab at ground floor is in progress. Steel shutter for beams should be closely placed without keeping any gap. The quality of concrete should be further improved (**Photo: 4**).



- **NS-BP-252:** Physical works are limited to the casting of columns above Grade Beams including construction of ram (**Photo: 5**).



No works were in progress except installation of one Deep Tube well.

No fencing has been erected. MS rods have been stacked near road (**Photo:6**). Concrete quality is fairly good (**Photo:7**).





- **NS-BP-706:** Pedestal columns below Grade Beams have been completed. Works are limited to the construction of 2 nos. of underground water reservoirs (**Photo: 8**) and construction of grade beam of ram (**Photo: 9**).



- Excavated earth has been stacked irregularly and haphazardly at construction site. Advised to immediately remove the stacked earth to separate disposal area to facilitate easy construction work (**Photo:10**).
- Good steel shutter materials have been used in all RCC works like pile caps, bracing beams and pedestal columns above pile caps, grade beams and columns etc.
- Curing is very important for concrete works. It has been observed that this aspect has been given due care.



### **Shelter Connecting Road**

- There is provision of shelter connecting road having length of 1000 m connected to the **BP-706**. Construction work of road has not been started yet.

### **C. Compliance of Environmental Safety Measures.**

The BoQ provides many 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. One Mr. Biplob Hossain, Community Organiser, **Pkg. No. MDSP-II-7-LPI-O-NW-01**, was met in the field who is in charge of monitoring the environmental safety measures. Our observations on the general compliance of the EMPs are as follows:

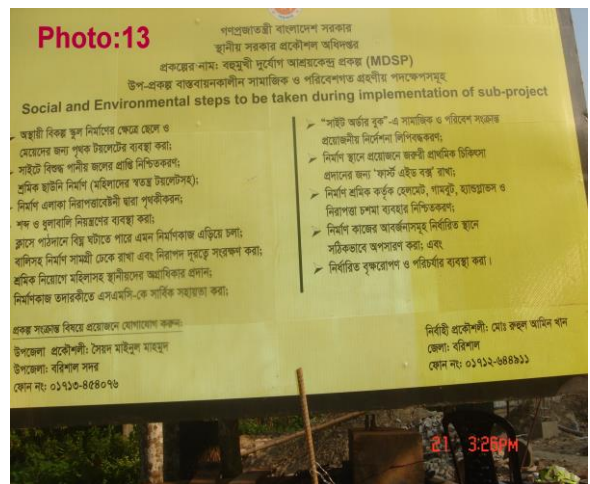
- **Uninterrupted Schooling:** There is provision of construction of temporary sheds for class accommodation where existing building has to be dismantled for construction works. This has been done. The temporary shed at **BP-246** is made of thatched fencing (**Photo:11**). Improved quality sheds should be made. During our visit of site at 10:30 hours, the Board conducted **Primary School Certificate Examination** was going on.

Noise pollution due to construction works was being created. The school authority alleged that they requested the site supervisor to stop construction works during two-hour examination period in order to avoid disturbance due to noise pollution but in vain. This is undesirable so far as compliance of EMP is concerned. The site supervisors should ensure avoidance of noise pollution as far as practicable.

The temporary school built for **BP-706** provide good accommodation but it is located very close to a big pond which is a threat to cause accident to the minor students of the school. Advised D&S Consultant and the contractor to make a safety fencing on the bank of the pond (**Photo:12**).



**Posting of Signboard:** Contract information signboards were found describing subproject activities at all construction sites. Sign boards describing environmental management plans have been erected in place. The telephone numbers of the XEN and UZ Engineers are given to facilitate any necessary communication (**Photo:13**).





- **Erection of Safety Fence:** Safety barrier has been erected in many construction sites except BP-252 (Photo: 6) and BP-706 to keep the students and public away to avoid danger of accident. The quality of fencing work should be more stable.
- **Labor Shed:** Labor sheds made of CI sheets have been erected (Photo:14)
- **Site Camp Office:** Site camp offices have been constructed but these are lagging required furniture like racks, almirah to keep important documents.
- **First Aid Box:** First Aid Kits to ensure adequate safety gears for workers was available at sites to meet emergency accidental injuries. Some but not all labors were found 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. Moreover, water supply by installation of new tube wells are in construction process. The tube well of BP-113 yields good quality water (Photo:15).



- **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 be kept under cover (Photo:16).
- **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 stockpiling of construction debris was observed. Under-construction debris and garbage are kept haphazardly. Garbage must be stockpiled and removed to a pre-selected distant waste disposal area. Although there is signboard of "Waste Disposal Area", it is only by name only. Disposal Wastes are if removed, should be kept in the earmarked area. FREs/ site supervisors should monitor this issue (Photo:17).



#### **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 reported.

#### **F. Conclusion.**

We would recommend to PMU, D&S consultants and related stakeholders to please consider our observations given above and take necessary measures as deemed appropriate.

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 Consultant,**  
**MDSP, LGED**