

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

FIELD VISIT REPORT

1. Period of Visit : 22 May – 23 May 2017
2. Location of Visit : Feni 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. Mohd. Shah Alam Patwari, Executive Engineer, LGED, Feni
- Md. Shah Alam, Sub-Assistant Engineer, LGED, Sonagazi UZ, Feni

D&S CONSULTANTS

- Mr. Prabodh Kumar Munshi, RRE, Noakhali Region, D&S Consultant;
- Mr. Ram Prosad Das, Field Supervisor, D&S Consultant, Feni;
- Mr. Mominul Islam, Field Supervisor, D&S Consultant, Feni;

CONTRACTORS' PERSONNEL

- Mr. Ratan Banik, Community Organiser, Pkg. Nos. NW-01 & 02, M/S SS-AE JV.
- Mr. Hemanta Mitra, Project Manager, Pkg. No. NW- 02, M/S/ SS-AE JV.
- Mr. Milton Chakma, Site Manager, Pkg. No. NW- 02, M/S/ SS-AE JV.
- Mr. Ibrahim Hossain, Project Manager, Pkg. No. NW- 01, M/S/ SS-AE JV.
- Mr. Mehedi Hossain, Site Engineer, Pkg. No. NW- 01, M/S/ SS-AE JV.
- Mr. Mujibul Islam, Project Engineer, Pkg. No. NW-03, M/S The Builders Engineers Associates Ltd.

SMC

- Md. Mahmudun Nabi, Head Master, Uttar Joshpur GPS
- Mr. Jinnatul Karim, Head Mistress, Malipathar GPS
- Md. Shahjahan, Head Master, Swarajpur GPS
- Mrs. Arjumand Banu, Head Mistress, : Shulakhali Khaza Ahmed GPS

5. Activities of Visit : **Monitoring the Field Activities of MDSP**
6. Sites visited :
- The following Shelters sites were visited:-

Feni District

- (a) Package no. NW-01
- i) FEP-339: Swarajpur GPS cum CS at Sonagazi UZ;
 - ii) FEP-341: Shulakhali Khaza Ahmed GPS cum CS at Sonagazi UZ;

- (b) Package no. NW-02
- i) FEP-020: Uttar Jashpur GPS cum CS at Chagalnaiya UZ;
 - ii) FEP-217: Malipathar GPS cum CS at Parshuram UZ;
- (c) Package no. NW-03
- i) FEP-201: Paschim Basikpur GPS cum CS at Fulgazi UZ;
 - iii) FEP-203: G. M. Hat GPS cum CS at Fulgazi 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

The M&E team visited 6 nos. under construction new shelter sites in Chagalnaiya, Fulgazi and Sonagazi upazilas of Feni district.

- The reported physical progress of the construction of the 6 new shelter works are as follows: **FEP-339: 27%; FEP-341: 27%; FEP-020: 34%; FEP-217: 28%, FEP-201: 60% and FEP-203: 40%.**
- No progress schedule was available at any working site. Progress schedule is a written schedule shown in a diagram that shows proposed and actual start and completion dates of the various work elements. This is an essential instrument to program and monitor construction activity. The schedule clearly depicts status of progress against target at any point of time. Progress schedule for individual structures should be prepared and monitored by the responsible persons. If necessary, the schedules may be periodically upgraded.
- Out of the six nos. sites visited under packages 01, 02 and 03, 5 nos. belong to Option 1 and 1 no. belong to Option 3. Option 1 is a two storeyed building without provision of any livestock floor while Option 3 is a three storeyed building with provision of livestock floor. Generally, 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. It has been noted that the cost of foundation for two storey and three storey buildings amounts to about 30% of the total cost of building.
- Physical works in **FEP-339** are limited to the casting of some pile caps and in the placement of shuttering materials for casting of some pedestal columns below Grade Beams (**Photo: 1**) in **FEP-341** are still limited to the re-bar placement related to casting of pile caps and connecting bracing beams (**Photo: 2**). The physical works in **FEP-020** are limited to the placement of shuttering materials in connection with the casting of Grade Beams and the same in **FEP-217** are still limited to the casting of pile caps and pile caps connected bracing beams (**Photo: 3**).



- Progress of physical works in most of the shelters under **Contract Package No.03** are more advanced compared to works of Contracts of **Packages 1 and 2**. 1st floor slab including construction of ram and part of internal brickwork have been done in FEP-201 (**Photo: 4**).
- The roof slab concreting in FEP-201 is very good (**Photo: 5**) because of the use of proper steel shutter materials and pipe props. This quality should be maintained in all buildings.



- In **FEP-341**, excavated earth has been stacked irregularly and haphazardly and the heaped earth has even intruded into the class rooms. (**Photo: 6**). Advised to immediately remove the earth elsewhere.

- Reinforcement steel have not been properly stacked at sites (**Photo: 7**), and even some M.S rods have been kept on roadside (**Photo: 8**).The should be rectified.



- The quality of the collected stone chips and coarse sand appear to be good (**Photo: 9**).
- New steel shutter materials have been used in the RCC works of pile caps, bracing beams and pedestal columns below grade beams etc. (**Photo:10**).



- Curing is very important for concrete works. It has been observed that this aspect has been given due care.

Shelter Connecting Roads

- There is provision of shelter connecting road having length of 253 m connected to the **FEP-201** and 892 m connected to the **FEP-020**. Construction work of road has not started yet.

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. One Mr. Ratan Banik, Community Organiser, Pkg. Nos. NW-01 & 02 was met in the field. However, no assigned Community Organizer was found in Pkg. 03 to monitor 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 at some places but the temporary shed need to be more improved.

- **Posting of Signboard:** Contract information signboards were found describing subproject activities at all construction sites.
- **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 should be more stable (Photo: 11).
- **Labor Shed:** Labor sheds made of CI sheets have been erected but there is hardly any provision of ventilation (Photo: 12). 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: 13).
- **First Aid Box:** First Aid Kits to ensure adequate safety gears for workers was available at sites to meet emergency accidental injuries. 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 tube wells are in construction process.
- **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.
- **Noise Pollution:** Noise pollution has been experienced. 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 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 place. (Photo: 14). FREs/ site supervisors should monitor this issue



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 except in **FEP-341** where there was land dispute with the graveyard adjacent to the school. The issue is learnt to be locally settled.

E. Opinion of SMC

The Head Master/Head Mistress are important members of the SMC. During visits, some of them informed that due to construction of the new shelter buildings in the school premises, the prolonged need of improvement of the dilapidated school buildings will be met. This along with supply of school logistics will greatly create a good environment for an improved schooling activities. They verily hope that after completion of the shelter cum school, the nos. of student enrolment is likely to increase.

They however mentioned that due to dismantling of the existing school buildings, some temporary school sheds have been made as alternative accommodation for classes but the quality of the temporary needs to be improved

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,
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MDSP, LGED