

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

FIELD VISIT REPORT

1. Period of Visit : 19 December – 20 December 2016
2. Location of Visit : Feni District.
3. Participant of visit : A.H.M. Mahbubur Rahman, TL, M&E Consultants,
Ahmedur Rahman, DTL/ ICT Specialist, M&E Consultant,
4. Officials met during Visit :

LGED OFFICIALS

- Mr. Md. Sherazul Islam, Executive Engineer, LGED, Feni

D&S CONSULTANTS

- Mr. Mr. Md. Shahidur Rahman, RRE, Noakhali Region, D&S Consultant;
- Mr. Md. Asaduzzaman, FRE, Feni;

CONTRACTORS' PERSONNEL

- Mr. Ratan Banik, Project Coordinator, Pkg. Nos. NW-01 & 02, SS-AE JV.
- Mr. Mujibur Islam, Project Engineer, Pkg. No. NW-03, The Builders Engineers Associates Ltd.

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

The following Shelters, Shelter Connecting Road sites were visited:-

Feni District

- (a) Package no. NW-03
 - i) FEP-203: G. M. Hat GPS cum CS at Fulgazi UZ;
 - ii) FEP-201: Paschim Basikpur GPS cum CS at Fulgazi UZ;
 - iii) FEP-210: Islamia Bazar GPS cum CS at Fulgazi UZ;
- (b) Package no. NW-02
 - iv) FEP-020: Uttar Joshpur GPS cum CS at Chagalnaiya UZ;
 - v) FEP-015: Bathania GPS cum CS at Chagalnaiya UZ;
 - vi) FEP-014: Purbo Pathanagar GPS cum CS at Chagalnaiya UZ;
- (c) Package no. NW-01
 - vii) FEP-335: Palgiri Ibne ali Akbar GPS cum CS at Sonagazi UZ;
 - viii) FEP-341: Shulakhali Khaza Ahmed GPS cum CS at Sonagazi 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:

i) Construction of New Shelters

The M&E team led by the Team Leader visited 8 nos. under construction new shelter sites at Feni district. The reported physical progress of the construction of the new shelter works are as follows: **FEP-203: 31%; FEP-201: 46%; FEP-210: 47%; FEP-020: 04%; FEP-015: 08%; FEP-014: 03%, FEP-335:12%, and FEP-341:06%.**

We have the following observations:

- Site selection of shelters in some locations particularly in Sonagazi UZ have been found to be more appropriate as these are located in remote places in coastal area substantiating the very purpose of construction of the new shelters. However, shelter sites in Fulgazi and Chagalnaiya UZ will, in terms of priority better serve the purpose of schools than as shelters.
- Physical works in most of the shelters are limited to collection of construction materials, construction of cast-in-situ piles. Grade beams, Columns and rams have been cast in some shelters (**Photo 1**).
- A general provision of 59 nos. cast in situ piles having length of 33 m each have been made in the design. Apparently, it appears to be excessive for a three storey building. D&S consultants may please review the pile design and make site specific pile design depending on the sub soil condition.
- The quality of the collected stone and coarse sand appear to be fairly good (**Photo 2**). In **FEP-335**, M S Rods have been properly stacked (**Photo 3**). The same practice should be adopted in other construction sites (**Photo 4**).



- In some shelter sites, space available for construction works, storage of construction materials, fabrication of MS Rod, storage of shutter materials and storage of excavated earth is limited(**Photo 5**). Separate yard to serve the above purpose and construction of labor sheds, toilets etc. may be arranged/ hired by the contractors for smooth construction works without hampering normal school activities.
- New steel shutter materials have been used in the grade beams and columns (**Photo 6**). This has resulted in production of good concrete with smooth surface. However, care should be taken in placing shutters for second stage casting of columns to avoid bulging.



- Curing is very important for concrete works. It has been observed that this aspect has been given due care (**Photo 7**).
- Floor filling is being done by earth reportedly as per design provision. For proper compaction, sand filling is preferable.

ii) Access Road to Shelter.

Construction work of the 850m access road connecting **FEP-210: Islamia Bazar GPS cum CS at Fulgazi UZ** is under progress. WBM work has been done so far (**Photo 8**). Carpeting is yet to be done.



C. ICT Monitoring System

Implementation status of ICT monitoring of MDSP as observed during field visit is reflected below:

Mobile Aps is being used in the field by the designated permitted users. RRE, FRE and LGED officials are capable to send project status, pictures, GPS positioning (Latitudes & Longitudes) of project interventions etc. to headquarters using mobile Aps.

D. 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. However, no assigned personnel was found to monitor the environmental safety measures. Our observations on the general compliance of the EMPs are as follows:

- **Uninterrupted Schooling:** In most shelter sites, the existing school buildings have been demolished, for new Construction As an alternative, temporary sheds have been erected to house the classes till the completion of the new shelter (**Photo 9**). In **FEP-015**, (**Photo 10**), no temporary shed was built resulting acute space problem. Due to storage of sand, the entry and exit to class rooms have been very narrow.



- **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. In **FEP-341**, fencing has been so closely done to existing class rooms that it obstructs light and air circulation (**Photo 11**). The fencing should be shifted to make room for proper lighting and air circulation to class rooms.
- **Labor Shed/Camp:** Labor sheds and good camp offices have been established.
- **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. (**Photo12**).



- **Water Supply and Sanitation Facility:** As primary school cum cyclone shelter, all sites have drinking water and sanitary facilities. More over, 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. During our visit, the schools were under vacation.
- **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 on discussion with school authority/local communities (**Photo 13**). FREs/ site supervisors should monitor this issue.



E. 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.

- **FEP-020** is being built on land encroaching a big pond (**Photo 14**). It was informed that the land owner voluntarily allowed to construct the shelter encroaching the pond. However, the technical aspect of the stability and possibility of erosion of the structure built on partially filled pond may please be looked into.
- Construction of **SCRs** requires extra land on both sides of existing narrow village roads. SCR construction often need of use of private land as in the case of **FEP-210 (Photo 8)**. The local people informed that the land owners voluntarily donated the land for road construction.



There is a graveyard within the premises of **FEP-341 (Photo15)**. All care need be taken so that the graveyard is not affected by construction works.



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.

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