



MULTIPURPOSE DISASTER SHELTER PROJECT (MDSP)

(IDA Credit No.5561 BD)

Monitoring and Evaluation Consultancy Services

Local Government Engineering Department (LGED)

To
The Chief Engineer,
LGED, Dhaka.

Date : 30.08.2022
Our ref : MDSP-M&E/FVR/91
Dealt by : Team Leader

Subject : Field Visit Report of the M&E Consultants of MDSP in Patuakhali District undertaken on 10-11 August 2022.

Sir,

I have the pleasure to submit herewith the Field Visit Report of the M&E Consultants on the following MDSP Package in Patuakhali district:

i) Construction of New Shelter Package LGED/MDSP/PATU/14-15/NW-05

The M&E Consultant team of MDSP undertook the visit in different sites of the contract package in Patuakhali district on 10-11 August 2022.

This is for favor of your kind disposal.

Regards.

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

Encl.: - Field Visit Report

- CC:
1. Project Director, MDSP, LGED, Dhaka.
 2. Executive Engineer, LGED, Patuakhali district.
 3. Upazilla Engineer, Patuakhali Sadar UZ, LGED, Patuakhali,
 4. Upazilla Engineer, Kolapara UZ, LGED, Kolapara, Patuakhali
 5. Upazilla Engineer, Bauphal UZ, LGED, Bauphal, Patuakhali.
 6. Upazilla Engineer, Dashmina UZ, LGED, Dashmina, Patuakhali.
 7. Upazilla Engineer, Golachipa UZ, LGED, Golachipa, Patuakhali.
 8. Team Leader, D&S Consultant, MDSP, LGED, Dhaka.
 9. Regional Resident Engineer, D&S Consultant, MDSP, LGED, Barishal Region.
 10. Field Resident Engineer, D&S Consultant, MDSP, LGED, Patuakhali district.
 11. Ignacio Urrutia, TTL, MDSP, WB, Dhaka.
 12. Ms. Swarna Kazi, Co-TTL, MDSP, WB, Dhaka.
 13. S.M.Zulkemine, Environment Specialist, WB, Dhaka.
 14. Md. Akter Zaman, Social Development Specialist, WB, Dhaka.

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

FIELD VISIT REPORT

1. Period of Visit : 10 August – 11 August 2022
2. Location of Visit : MDSP Work Sites under Patuakhali District.
3. Visit of Package : Pkg. No. LGED/MDSP/PATU/14-15/NW-05
4. Contractor : M/S The Civil Engineers Ltd. & Nabarun Traders Ltd. (JV)
5. Participant of visit : A.H.M. Mahbubur Rahman, TL, M&E Consultant, MDSP
Md. Matiur Rahman, Civil Engineer/ M&E Specialist, M&E Consultant, MDSP.
6. Officials met during Visit :
 - LGED**
 - Mr. Javed Miadad, Assistant Engineer, MDSP, LGED, Patuakhali.

D&S CONSULTANTS

- Mr. Md. Abdul Hamid, Regional Resident Engineer, D&S Consultant, Barishal;
- Mr. Mohammad Ali Azgor, Field Supervisor, D&S Consultant, Patuakhali.

CONTRACTORS' PERSONNEL – M/S The Civil Engineers Ltd. & Nabarun Traders Ltd. (JV)

- Mr. Md. Azibur Rahman, Deputy Project Manager;
- Mr. Md. Aman Ullah Talukder, Project Engineer;
- Mr. Md. Raihan Hossain, Site Engineer;
- Mr. Md. Sohel Rana, Site Engineer;
- Mr. Md. Amjad Hossain, Site Engineer;
- Mr. Md. Sohel Ahmed, Site Engineer.

SMCs

- Mr. Badal Chandra Debnath, Head Master, 141 No. Syedkathi VDC GPS at Galachipa UZ;
- Mrs. Nasrina Sultana, Head Master, 110 No. Moddho Alipur GPS at Dashmina UZ;
- Mrs. Shamsun Nahar Parveen, Assistant Teacher, Dakshin Tiakhali GPS at Kolapara UZ.

7. Activities of Visit : **Monitoring of the Implementation Activities of MDSP**
8. Sites visited : 7 nos. of “New construction of Shelter cum School” sites were visited:

Package no. LGED/MDSP/PATU/14-15/NW-05 (New Construction):

- i) **PAP-226:** 141 No. Syedkathi VDC GPS cum CS at Galachipa UZ;
- ii) **PAP-901:** 110 No. Moddho Alipur GPS cum CS at Dashmina UZ;
- iii) **PAP-145:** 53 No. Gopaldi Nejabad GPS cum CS at Dashmina UZ;
- iv) **PAP-69:** 72 No. Nazirpur Choto Dalima GPS cum CS at Bauphal UZ;
- v) **PAP-72:** Boga GPS cum CS at Bauphal UZ;
- vi) **PAP-354:** Dakshin Tiakhali GPS cum CS at Kolapara UZ;
- vii) **PAP-801:** Patuakhali Collectorate School & College cum CS at Patuakhali Sadar UZ.

9. A. Roles and Tasks of the M&E Consultants:

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. Findings and Observations

- **Staffs Mobilization by the Contractor:** M/S. The Civil Engineers Ltd. & Nabarun Traders Ltd. (JV) has made fairly good mobilization of field personnel in terms of fielding of project and technical personnel: Project Manager (1 no.), Deputy Project Manager (2 nos.), Project Engineers (4 nos.), Environmental & Social Safeguard Officer (2 nos.), Accident Prevention Officer (1 no.), Site Engineer at each site and other support staffs.

However, we met during our visit one DPM, one Project Engineer and 4 nos. site engineers. Important personnel like Environmental and Social Safeguards Officer and Accident Prevention Officer were not seen working in the field. So, effective interaction or exchange of views could not be made in respect of undertaking environmental and social safeguard measures per provision of MDSP.

- **Site selection:** Selection of all sites for construction of new shelters has been indeed good as these are located in cyclone vulnerable remote places of the district.
- **Construction Schedule:** There has been no updated construction schedule of work. Implementation of MDSP has been extended up to 30 June 2023. The target date of completion of **NW-05** has already expired on 15 June 2022. So, construction schedule of work for the entire package as a whole covering all 36 shelters and of individual structures should be prepared based on the extended target date of completion.
- **Site Plan:** No site plan showing the demarcated storage yard of construction materials, labour sheds, toilets for construction labours, waste disposal sites etc. was available at any working site. Site Plan is also an essential element in respect of environmental aspect as well as social aspect during construction works. In many shelter sites, there are enough space which is an advantage for making a realistic site plan covering all the elements mentioned above.

- **Change in Floor Design.** There has been some changes in the ground, 1st floor and ramp design. Tiled walkway has been introduced to facilitate movement of the blind people. **(Photo: 01).**



- **Additional Rooms at Roof Floor.** We have observed two additional rooms in the roof floor of **PAP 801.** **(Photo: 02).** These rooms will add additional shelter space. Besides, the new shelters have inadequate school rooms. This will be helpful for the school as well.



- **Tube well.** Tube wells have been sunk. Some tube well 'Heads' are marked "DPHE" **(Photo: 03).** These are Government tube wells used by the 'Department of Public Health Engineering' in departmental works. The "DPHE" marked tube well heads should be replaced.



C. Physical works:

Construction of New Shelters including Shelter Connecting Road

The M&E team visited 7 nos. under construction new RCC shelter sites in Galachipa, Dashmina, Bauphal, Kolapara and Patuakhali Sadar upazilas of Patuakhali district.

C.1: Physical Progress

- The ICB Package covering 36 nos. new RCC shelters with provision of shelter connecting roads in Patuakhali district has been awarded on 09 March 2020 and is targeted to be completed by 24 months i.e. 15 June 2022.

- All the construction sites of 36 nos. have been made over to the Contractor. Physical work has also been taken up in 36 sites. We visited 7 nos. under construction sites. The reported physical progress of the 7 new shelter sites are as follows: **PAP-226: 68%; PAP-901: 88%; PAP-145: 71%; PAP-69: 71%; PAP-72: 71%; PAP-354: 88% and PAP-801: 88%.**
- As of end of July 2021, overall physical progress of the package is **61%** against the original target of **100%** (in terms of time allowed). It shows that the physical progress of the package is lagging much behind.

It is true that the progress of the package has been hampered due to the effect of COVID-19. A realistic program and work schedule should be chalked out and followed to complete works by extended time.

C.2: Observations on the Construction Works

Frame of the RCC Structure including ramp of all the 7 shelters have been done (**Photo: 04**).



Other ancillary works of the structures are still going on as mentioned below:

Brick work; plastering work; patent stone casting at ground/ 1st floor; roof top screeding; tiles placement works at 2nd floor; construction of staircases and toilets; painting works; electrification works; installation of solar panels; plumbing/ sanitary works; installation of deep tube wells and submersible water pump; fitting & fixing of door frames/ shutters; fitting & fixing of window grills & Thai Aluminium windows shutters at 2nd floor; railings at 1st floor (Livestock floor) and staircases; fitting & fixing of PVC water tank and water filter at roof; site improvement work; supply of School Furniture etc.

- Quality of concrete works is good (**Photo: 05**).



- The quality of construction materials such as MS rod, stone chips, coarse sand, fine sand etc. procured at sites appears good (**Photo: 06**).



- MS rod should be stored on raised platform to avoid mud and water (**Photo: 07**).



- Site offices have been built at all shelter sites (**Photo: 08**). Site office fixtures are of good quality. Labour sheds have also been built but the conditions of the sheds appear damaged. (**Photo: 09**).



- Unused props and shutter materials have been properly stacked (**Photo: 10**).



- Quality of bricks being procured appear good (**Photo: 11**).



C.3: Shelter Wise Progress

We found physical works at all sites during our visit. Shelter wise achieved progress is stated below:

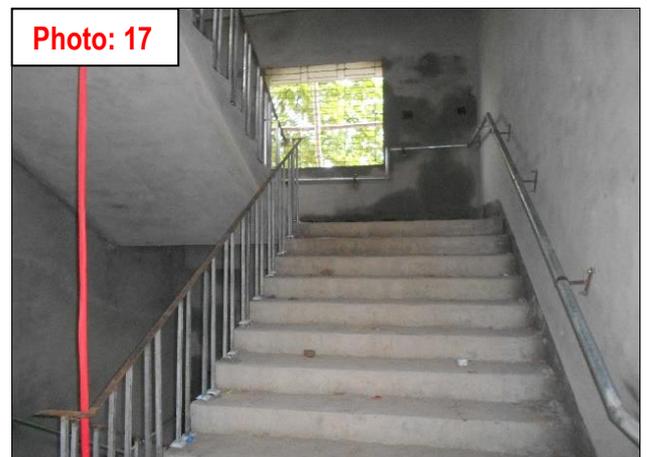
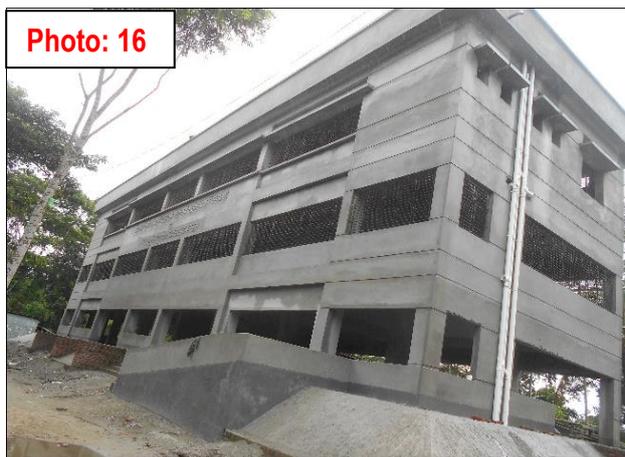
- **PAP-226:** Frame Structure including ramp construction has been done (**Photo: 12**). Brick works at 1st & 2nd floors are still ongoing. Lintels casting at 2nd floor is ongoing (**Photo: 13**).



- **PAP-901:** Frame Structure including ramp construction has been done. Fitting & fixing of window grills & stair rails at 1st & 2nd floors and fitting & fixing of wooden door frames & shutters have also been done (**Photo: 14**). Works are still ongoing at site are: tiles placement works; painting works; fitting & fixing of Thai aluminium windows at 2nd floor; fitting and fixing of plumbing fixtures at toilets; fitting & fixing of tube wells accessories; installation of OHWTs; electrification works and installation of Solar Panels etc. (**Photo: 15**) School Furniture have not yet been supplied.



- **PAP-145:** Frame Structure including ramp construction has been done. Fitting & fixing of windows grills at 1st & 2nd floors & cattle rails at 1st floor have also been done (**Photo: 16**). Plastering works, tiles placement works, fitting & fixing of stair rails, fitting and fixing of plumbing fixtures at toilets, electrification works etc. are still ongoing at site (**Photo: 17**).



- **PAP-69:** Frame Structure including ramp construction has also been done. Brick work, plastering works, fitting & fixing of stair rails, fitting and fixing of plumbing fixtures at toilets, electrification works etc. are still ongoing at site (**Photo: 18**).



- **PAP-72:** Frame Structure including ramp construction has been done (**Photo: 19**). Brick works at 1st & 2nd floors are still ongoing.



- **PAP-354:** Frame Structure including ramp construction has been done. Tiles placement works, fitting & fixing of window grills & stair rails at 1st & 2nd floors and fitting & fixing of wooden door frames & shutters, fitting and fixing of plumbing fixtures at toilets and fitting & fixing of Thai aluminium windows at 2nd floor etc. have also been done. Works are still ongoing at site are: painting works; fitting & fixing of tube wells accessories; installation of OHWTs; electrification works and installation of Solar Panels etc. (**Photo: 20**). School Furniture have not yet been supplied.



- **PAP-801:** Frame Structure including ramp construction has been done. Progresses of completed and ongoing works at site are almost same as **PAP-354** (**Photo: 21**).



Shelter Connecting Roads

There is provision of Shelter Connecting Road (SCR) of various lengths mentioned below:

PAP-226:	SCR = 1050 m
PAP-901:	SCR = 770 m
PAP-354:	SCR = 500 m

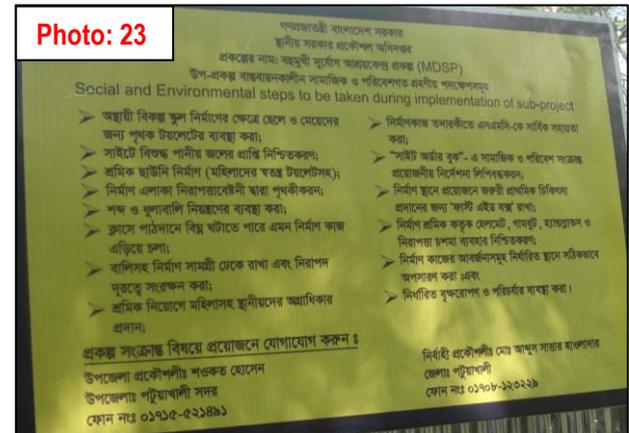
Construction of WBM of the roads connected to PAP-226 and PAP-901 are still ongoing (Photo: 22).



D. Safety Measures

The project implementation ensures environmental and social safety considerations. To this end, Environmental and Social Assessment (ESA) relating to construction cyclone shelters under each package will be carried out by the D&S consultants as per guidelines given in the ESMF. These individual assessment reports are required to be concurred by the WB. The ESA will identify specific environmental and social protective measures relating to construction of new shelters to address the environmental and social safety issues.

The project related environmental and social safety measures have been shown in display board at each site. (Photo: 23).



Compliance of Environmental Safety Measures.

Our observations during the field visit on the general compliance of environmental safety measures are as follows:

- **First Aid Box:** First aid boxes with standard contents have been procured in all sites.
- **Water Filter:** Water filters have been procured at all construction sites.
- **Tree Plantation:** Not yet done.
- **Use of Safety Gear:** Safety gear package such as helmets, hand gloves, rubber shoes, light reflecting dresses etc. has been found to be used by many of the workers.

- **Protection Fencing:** Protective fencing by corrugated iron sheet has been done. At PAP 69, the fencing is found to be broken. (Photo: 24).



- **Labor Shed:** Labor sheds have been done and being used by the labors.
- **Sanitary Latrine for Male and Female:** Sanitary latrines for use of the male and female labors have been constructed.
- **Dust Suppression Measures:** Dust suppressive measures have been partially adopted.
- **Environmental and Social/Safeguard Officer:** Environmental and Social/Safeguard Personnel responsible for supervising Environmental and Social Safeguard issues were not met at site.
- **Health/Safety Warning Sign:** Health/safety warning signboards were fixed at the beginning but those are not visible now.
- **Tube Well:** Tube wells have been installed at all sites to obtain safe drinking water for the labors and site staff and also for use in construction works.

E. Compliance of SMP

The construction of the shelters will be done in the existing government school buildings. The construction does not require land acquisition and resettlement of the PAPs. During field visit, no problem relating to land and resettlement of PAPs was observed.

F. Opinion of SMC

The SMC is composed of the local elites who take keen interest in education. The Head Master/Head Mistress is an important member of the SMC. During our visits to different completed shelter buildings, we had interaction with some of the SMC members. The SMC members particularly the Head Master/Head Mistress informed with happiness 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 good environment for improved schooling activities. We discussed particularly of the following:

- **Community engagement in the Shelter Construction Process.**

It was informed that the participation of the SMCs was ensured in the full process of construction of the shelters.

- **Land Availability:** There was no land dispute in any shelter as these were constructed in existing Government school premises.
- **Occurrence of Accident:** Because of taking proper safety measures, there has been no occurrence of accident in the construction sites.

G. 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 also express our appreciation and thanks to the field personnel of LGED, the DS Consultants, School Authorities, Teachers and the Contractor for their kind cooperation extended to us during the field visit.



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