


MINUTES OF MEETING/DISCUSSION ON THE COMMENTS/OBSERVATIONS OF THE WORLD BANK ON REVISED DPR OF ASTABAL BRIDGE (KATAKHAL RIVER, AGARTALA) UNDER COMPONENT B OF NATIONAL SEISMIC RISK MITIGATION PROGRAMME (NSRMP) HELD ON AUGUST 12, 2021 THROUGH VIRTUAL CONFERENCE AT NDMA.

A meeting to discuss the comments/observations of The World Bank on revised DPR of Astabal Bridge (Katakhal River, Agartala) under Component B of NSRMP was held on August 12, 2021 at 4:00 PM under the Chairmanship of Dy. Project Director, NCRMP (PMU), NDMA through Virtual Conference. Officials from NDMA, The World Bank, Tripura State, and Consultant (DDF-AKDN JV) attended the meeting. The list of participants is attached at **Annexure-I**.

2. The Consultant's team made a presentation on compliance status w.r.t. The World Bank comments/observations on revised DPR of Astabal Bridge (Katakhal River, Agartala). Quality of Model DPR document submitted was found sub-standard. The Bank's Expert bringing clarity on their observations detailed out the gaps in the DPR.
3. After deliberation involving views/suggestions of participants, the following decisions were made:
 - (i) Information about the Astabal Bridge (Katakhal River, Agartala) is incomplete in DPR. Information about the existing Bridge to be drawn from As-Built drawing certified by PWD. In case of unavailability of the As-Built drawing, information needs to be obtained through conditional assessment/measurement of the Bridge.
 - (ii) The NDT report previously done by Tripura Government has been reported in DPR. NDT is required to be carried out by consultant.
 - (iii) Geotechnical investigation done 8-9 years ago by Tripura Government is reported in DPR without any review, which is not acceptable. This Geotechnical investigation report shows pH value of soil as 5 for the site, giving indication that the foundation structure is prone to corrosion. Fresh Geotechnical investigation at the bridge site shall be carried out by the Consultant and up-to-date status to be reported in DPR.
 - (iv) Suitability of the Bridge for retrofitting to be ascertained through proper diagnosis and based on accurate assessment of health of the bridge, drawn from NDT and analysis.

- (v) Consultant to intimate NDMA on timeline for completing diagnostic report, covering NDT and Geotechnical investigation for the site.
- (vi) DPR to be submitted in two phases:
 - (a) **Diagnostic Report** containing diagnostic information of structure drawn through basic conditional assessment, providing all the investigation results and deriving conclusion on health of the bridge.
 - (b) **Final Report** with repair scheme, working drawings, BoQ and Cost Estimate.
- (vii) Consultant will submit all DPRs to State Government for review & approval, incorporate comments of the State and further submit to NDMA.
- (viii) Consultant to carry out fresh assessment including, NDT & Geotechnical investigation of each structure and all reports related to them to be shared with concerned State Departments prior to submission to NDMA, by the Consultant.
- (ix) As-Built drawing to be part of DPR.
- (x) Assessment to be carried out for more number of bridges identified by the State Govt of Tripura.
- (xi) Document submitted should carry the name of all key team members involved in the assessment, structural analysis and preparation of the DPR.

4. The meeting ended with thanks to the Chair and all the participants.


18.08.2024
(Sanjay K Sharma)
Project Manager
NCRMP, NDMA

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Sl. No.	Name of Official with Designation	Organisation
1	Sh. Samir Kumar Dy. Project Director, PMU	NDMA
2	Dr. Sanjay K Sharma Env. Specialist, PMU	NDMA
3	Sh. Anup Karanth Sr. DRM Specialist & TTL	The World Bank
4	Sh. Alok Bhowmick Structural Engineering Consultant (Bridges)	The World Bank
5	Ms.Neha Vyas Sr. Environment Specialist	The World Bank
6	Sh. PeeyushRamawtar S DRM Specialist	The World Bank
7	Deepak Malik Operations Specialist	The World Bank
8	Dr. Sarat Kumar Das State Project Officer (Disaster Management) & Nodal Officer (NSRMP)	Tripura
9	Suman Deb Disaster Management Deptt.	Tripura
10	Rajib Paul Engineer, PWD	Tripura
11	Prof. Amit Bose Director	DDF
12	Dr. Pratima Rani Bose National Coordinator	DDF
13	Dr. Amit Kumar Team Leader	DDF-AKDN JV
12	Sh. Ranjit Kumar Majumdar State Coordinator, Tripura	DDF-AKDN JV
13	Dr. S. K. Thakker Structural Engineering Specialist	DDF-AKDN JV