

**MINUTES OF MEETING FOR TECHNICAL DISCUSSION ON DPRs UNDER NATIONAL SEISMIC RISK MITIGATION PROGRAMME (NSRMP) HELD ON 08.04.2021 AT 03:00 PM IN OPS. ROOM, NDMA BHAWAN, NDMA**

A meeting for Technical Discussion on DPRs under National Seismic Risk Mitigation Programme (NSRMP) was held under the Chairmanship of Sh. Samir Kumar, Dy. Project Director, NCRMP, NDMA on 08<sup>th</sup> April, 2021 at 3:00 PM in Ops. Room, NDMA Bhawan, NDMA, New Delhi. The meeting was attended by Officials from NDMA, the World Bank, and the Consultant. List of participants is attached at Annexure-I.


2. A presentation was made by the Consultant team. Model DPRs, Methodology for RC Frame Structures, Criteria for Load Bearing Masonry Structures and Retrofitting Cost Limit were deliberated.

3. After decision involving views/suggestions of participants, the following observations/decisions were made:

- (i) Environmental & Social aspects should be kept as separate category viz.; ESHS rather than as disruption.
- (ii) Safety features, and Fire Fighting System (ESHS related activities/functions) under Improving Functions category should be considered under ESHS category. Refer to NBC 2016 provisions.
- (iii) The categories, viz.; Disruption and Improved Functions need to be re-worked.
- (iv) Water Proofing to be included in the Improved Functions category.
- (v) Retrofitting cost will not include expansion/improved function costs.
- (vi) Immediate Occupancy is to be taken into account for retrofitting of critical facilities (facilities/buildings designated to be used/utilized post disaster).
- (vii) DPR cost [cost of retrofitting + additional/incidental cost (Expansion & improved function, upgradation of existing structures, etc.)] will include costs on account of energy efficiency, sanitation, water supply, etc.
- (viii) Retrofitting cost should not exceed 50% of re-construction cost.
- (ix) Consultant to share revision requirement in Benchmark document (Vol. I & II) with NDMA (PMU CNERMP; PMU NCRMP/II)/World Bank, with justification for change.

- (x) In accordance with the World Bank ESF 2018, environmental & social impact assessment is required for each structure/facility separately.
- (xi) Generic EMP to be included directly in bid document.
- (xii) Environmental & Social Screening Reports as well as sub-projects related field activities documents must be enclosed with all DPRs.
- (xiii) The Model DPRs along with safeguard aspects to be cleared/approved from the World Bank.
- (xiv) The approved Benchmark document to be followed for preparation of DPRs. QAQC process to be followed by consultant.
- (xv) As per minutes of review meetings dated 02<sup>nd</sup> January 2020 and 04<sup>th</sup> February 2020, Consultant was required to submit model DPRs (Typology/Technology wise) by 1<sup>st</sup> week of March 2020. Consultant to submit remaining Model DPRs for RCC Bridge and Steel Bridge by 12.04.2021 and 19.04.2021, respectively.
- (xvi) Consultant to submit DPRs duly signed by Key Experts/Specialists involved in preparation of the DPR, State Nodal officer, State Coordinator and Team Leader.
- (xvii) Consultant to submit a matrix with timeline for submission of DPRs (retrofitting technology wise / typology wise / usage wise) under NSRMP Part-1 (4 states) as well as Part-2 (5 states).
- (xviii) Additional/separate meeting to be held for discussion on Stakeholder Engagement Plan.

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

  
15.02.2021  
(Sanjay K Sharma)  
Project Manager  
NCRMP, NDMA

Annexure-I

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<b>Sl. No.</b>	<b>Name of Officials with Designation</b>	<b>Organisation</b>
1.	Vijay Singh Nemiwal JA (MP)	NDMA
2.	Dr. Sanjay K Sharma Env. Specialist	NDMA
3.	Dr. P. Prasad Project Coordinator	NDMA
4.	Sh. Vijay Kr. Sharma Manager (IT)	NDMA
5.	Mr. Javed Iqbal Jr. Consultant (Earthquake)	NDMA
6.	Mr. Deepak Singh Lead DRM Specialist	The World Bank
7.	Mr. Anup Karanth Sr. DRM Specialist & TTL	The World Bank
8.	Mr. Kamal Sabharwal Structural Engineer, Consultant	The World Bank
9.	Ms. Neha Vyas Sr. Environment Specialist	The World Bank
10.	Dr. Amit Kumar Team Leader	DDF-AKDN JV
11.	Dr. Pratima Rani Bose National Coordinator	DDF AKDN JV
12.	Mr. Nitin Behl Procurement Specialist	DDF AKDN JV
13.	Dr. Abhay Gupta Structural Engineering Specialist	DDF AKDN JV
14.	Dr. S K Thakker Structural Engineering Specialist	DDF AKDN JV
15.	Prof. Amit Bose Director	DDF