

**MINUTES OF THE MEETING TO REVIEW OVERALL PROGRESS OF NATIONAL SEISMIC RISK MITIGATION PROGRAMME (NSRMP) HELD ON 30.07.2020 AT 4 PM in OPS. ROOM, NDMA BHAWAN, NDMA, NEW DELHI.**

The meeting to review overall progress of National Seismic Risk Mitigation Programme (NSRMP) was held under the Chairmanship of Dr. Pradeep Kumar, Spl. Secretary & Project Director, NDMA on 30<sup>th</sup> July, 2020; 4 PM in Ops. Room, NDMA Bhawan, NDMA, New Delhi. The meeting was attended by Officials from NDMA, the World Bank and the Consultant (M/s DDF-AKDN JV). List of participants is attached at **Annexure-I**.

2. The meeting started with a welcome note from the Spl. Secretary & Project Director, NDMA. A presentation was made by the Consultant Team on overall progress achieved so far under different components of NSRMP. The status of identification of structures to be retrofitted, technical & management policy issues related to DPR finalization, and revised timelines/deliverables were also deliberated.

3. After deliberation involving views/suggestions of participants, the following action plan/way forward was agreed to:

- i. Clarity to be brought w.r.t. methodology/approach/multi-parameter based algorithm for design of Regional and On-site Earthquake Early Warning Dissemination System (EEWS), with justification in Indian context, within a week, i.e., by 06<sup>th</sup> August 2020.
- ii. The Consultant will submit DPRs on Component A1 (Earthquake Early Warning Dissemination System) and Component A2 (Enhancing Emergency Response Capacity) of NSRMP by 25<sup>th</sup> August 2020 and 15<sup>th</sup> September 2020, respectively.
- iii. Total 1750 Nos. critical buildings/infrastructure to be retrofitted under Component B of NSRMP. Accordingly, DPRs will be prepared for 1750 Nos. buildings/infrastructure to be retrofitted in the States/UTs. Total 3500 Nos. critical buildings/infrastructure to be surveyed for retrofitting. Refer minutes of review meeting held on 02<sup>nd</sup> January 2020.
- iv. There will be a separate meeting on Project Investment Plan (PIP) of NSRMP.
- v. The Consultant to confirm when Structural Engineering Specialists and State Coordinators start functioning from their respective State/UT. The revised timeline will be considered only after the Consultant's confirmation in this regard.
- vi. Timeline for submission of rejigged deliverables need to be clarified and re-submitted.



- vii. The RVS report will not be accepted if it is carried out in absence of the concerned State Coordinators and Structural Engineering Specialists in the States/UTs.
  - viii. In view of prevailing COVID-19 situation, the deliverable related to Project Appraisal Document (PAD) may be worked out in parallel and submitted. The Project Appraisal Document (PAD) of NCRMP may be referred to in this context.
  - ix. Decisions on Consultant's points related to Technical and Management Policy issues for DPR finalization have been conveyed to the Consultant vide this Office letter no. 562 dated 31<sup>st</sup> July 2020 (copy enclosed).
4. The meeting ended with a note of thanks to the Chair and all the participants.



(Rajendra Piplonia)  
Project Manager  
NCRMP, NDMA



**Annexure-I****MINUTES OF THE MEETING TO REVIEW OVERALL PROGRESS OF NATIONAL SEISMIC RISK MITIGATION PROGRAMME (NSRMP) HELD ON 30.07.2020 AT 4 PM in OPS. ROOM, NDMA BHAWAN, NDMA, NEW DELHI.**

<b>Sl. No.</b>	<b>Name of Officials with Designation</b>	<b>Organisation</b>
1	Sh. Samir Kumar Dy. Project Director	NDMA, New Delhi
2	Sh. Rajendra Piplonia Project Manager	NDMA, New Delhi
3	Dr. Sanjay K Sharma Env. Specialist	NDMA, New Delhi
4	Mr. Mehul Padharia, Technical Specialist	NDMA, New Delhi
5	Sh. Anup Karanth Sr. DRM Specialist & TTL	The World Bank
6	Sh. Deepak Singh Sr. DRM Specialist & TTL	The World Bank
7	Mr. Saurabh Chandra, Director	DDF
8	Dr. Pratima Rani Bose, National coordinator	DDF-AKDN
9	Dr. Amit Kumar, Team Leader	DDF-AKDN
10	Nitin Behl Procurement Specialist	DDF-AKDN





**NATIONAL DISASTER MANAGEMENT AUTHORITY**  
**Ministry of Home Affairs, Govt. of India**  
**NATIONAL CYCLONE RISK MITIGATION PROJECT**  
**(NCRMP)**

A-1, Safdarjung Enclave, New Delhi-110029  
Telephone : 011 - 2670877  
Fax No.: 26714321



No. 4-9/2019/PMU/562

31<sup>st</sup> July, 2020

To

Dr. Amit Kumar  
Team Leader, DDF-AKDN JV,  
501, B-09, ITL Twin Towers, Netaji Subhash Place,  
Pitampura, New Delhi – 110034

**Sub: Consultant's points related to Technical and Management Policy issues for DPR finalization – reg.**

Sir,

Please refer to your email communication dated 15<sup>th</sup> July 2020 regarding Technical and Management Policy issues for DPR finalization.

2. The PMU's response on the points raised by the Consultant pertaining to Technical and Management Policy issues for DPR finalization is as follows:

- A1. Upgradation/Modification requirements may come up for specific investments and consultants will take an informed decision based on the existing condition of the structure, existing provisions, safety lapses etc. It is important to note that retrofitting will also extend the life and the utility of the structure and hence considering additional upgrade will be taken up on case to case basis. Justification need to be provided for all the additional features. In case if existing structure depict shortfall in basic provisions (as per GoI guidelines, safety requirements, disability standards-CPWD, space standards etc), additional requirements shall be provided to be best possible extent. Additional elements should be shown as 'additional cost' and not 'retrofitting cost' and shall form part of DPR.
- A2. Follow the existing guidelines of NDMA or standards as applicable and document the process in the *Vol 1 Design Methodology* (benchmark document). For exceptional cases, justification can be provided and suitably agreed in consultation with State, NDMA and Bank. The Benchmark Document (Volume 1) for Retrofitting could benefit from the development of an overarching 'decision matrix for retrofitting planning'. This could serve



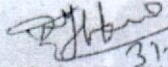
the purpose of guiding all subsequent DPRs as well as a contribution of the project as a technical guidance for undertaking retrofitting planning. The decision matrix should map:

- (i) the **decisions/steps** taken in the process (for e.g. the decision regarding which building to retrofit, the decision regarding retrofitting being a more feasible option to reconstruction, or the decision regarding which engineering technique to use etc.). This should include not just technical but all decisions related to the process, including operational, environmental, governance related etc.
- (ii) the **analytics** leading up to the decisions (for e.g., how to undertake option analysis of the engineering techniques for retrofitting, or criteria used for prioritizing buildings etc.)
- (iii) the **benchmarks/standards** that have informed the analysis for each decisions (for e.g. NDMA Guidelines, BIS Codes, global frameworks etc.).

Consultants shall include the decision matrix in Vol 1.

- A3. The cost of retrofitting is related to the structure. Other costs should be indicated separately (separate category can be identified) and costs will be on case to case basics. Benchmark Documents: *Vol I Design Methodology* and *Vol II Estimation & BOQ Calculation Methodology* should reflect these aspects.
- A4, A5, A6 & A7: These points are technical in nature and not cannot be made part of the administrative decision making process. Consultants are advised to take inputs from internal/external Technical Experts and document the process in Benchmark Documents.

Yours faithfully,

  
31-07-2020  
(Rajendra Piplonia)  
Project Manager  
NCRMP, NDMA