

**MINUTES OF REVIEW & MONITORING COMMITTEE MEETING ON INCEPTION REPORT OF COMPREHENSIVE MULTI-HAZARD RISK FINANCING STRATEGY (CMhRFS) HELD ON 15<sup>TH</sup> NOVEMBER 2021 AT 11:00 HRS THROUGH VIDEO CONFERENCING (VC).**

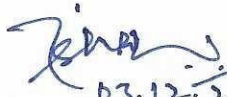
A Review Meeting on Inception Report (i.e. first deliverable) of Design of CMhRFS was held through video conferencing on 15<sup>th</sup> November 2021 at 11:00 hrs under the Chairmanship of Shri. Kamal Kishore, Member & Secretary (I/c), NDMA. The meeting was attended by officials from NDMA, DFS, IRDAI & The World Bank, Nodal officers from project States, and representatives from M/s Air Worldwide Corporation, USA (and project partner M/s Guy Carpenter). The list of participants is attached at **Annexure – I**.

2. The meeting started with a welcome note from NDMA. The Consultant team made a presentation on the Inception Report of CMhRFS study, which was followed by a detailed discussion on (i) Impact of Past Disasters, (ii) Existing Legal Framework & Disaster Risk Finance Instruments, (iii) Domestic Insurance Market Review and (iv) DRF Framework on Designing of CMhRFS.

3. After deliberation involving views / suggestion of participants, the following action were agreed to:

- i. Data captured in the Inception Report is insufficient. Consultant shall identify data required, beyond what may be readily available publicly or from open sources. The data collected from public sources to be reconciled from other sources of the data.
- ii. The present inception report mentions very few events and lots of major events are not captured
- iii. Consultant to put in more effort to get comprehensive set of data in close coordination with States. Consultant to follow up with participating State Governments to collect various data i.e. historical disaster loss and exposure data (i.e., public assets including infrastructure assets and private assets primarily housing stocks) etc., including data of the project completed by States in association with The World Bank, so that comprehensive data model could be developed.
- iv. Gap analysis to be done in terms of preparedness as well as response w.r.t actual expenditure incurred at State level. The expenditure incurred at state level needs to be unpacked, clarifying the amount of the expenditure bearing to the state government fiscal and contribution from the Central government.
- v. Database type of structure is not yet developed for ease of analysis. Consultant to convert the collected data in database structure for ease of analysis since inception.

- vi. In the inception report, there is lack of data/information on exposure. Exposure of households/properties (residential homes)/public assets/infrastructure assets etc. are not covered. The Consultant to provide some insights on their plan to build this data.
  - vii. Data from the similar geographical States may also be collected which may be used to further populate hazard database specific to Project States for the purpose of risk analysis and future financing.
  - viii. Hazard risk to be analysed taking into account frequency and severity of State specific disaster events.
  - ix. Landslide data also to be collected and captured in the inception report..
  - x. Financial & economic losses to be expressed in INR as well as USD.
  - xi. Indian indices, especially Indian inflation index shall be used in the model for the purpose of trend analysis of the data.
  - xii. The model output alongwith basis of the assumption in methodology to be adopted to be shared with NDMA.
  - xiii. Consultants to estimate the economic losses, particularly in case where such data are not available, by using appropriate methodology to estimate losses based on loss of lives, and number of people affected as a proxy.
  - xiv. Consultant to develop hazard modules like cat module etc. based on vulnerability/exposure to disasters, geography, and economic exposure.
  - xv. Consultant to provide / develop the alternative funding option for insurance at state level with the help of IRDAI & other insurance companies. The consultant shall provide all the options for Insurance financing and cost under different financing.
  - xvi. Instead of single estimate, best estimate and different confidence level out of the data analysis to be provided.
  - xvii. Consultant to visit physically to the project States for collection of requisite data / information from the State Government / SDMAs.
  - xviii. State participation in terms of facilitating requisite data / information related to the project is critical. States to share all data required for this project with consultant on priority.
  - xix. The inception report should cover all the aspect of financing, insurance, legal framework etc.
4. In view of the above, Consultant to incorporate these points in the inception report & submit revised inception report at the earliest.
  5. The meeting ended with thanks to the Chair and all the participants.

  
03.12.2021  
(Sanjay K. Sharma)  
Env. Specialist/NCRMP(NDMA)



**MINUTES OF KICK OFF MEETING ON DESIGNING OF COMPREHENSIVE MULTI-HAZARD RISK FINANCING STRATEGY (CMhRFS) HELD ON 15/11/2021 AT 11:00 HRS AT NDMA BHAWAN, NEW DELHI.**

<b>Sl. No.</b>	<b>Name of Officials with Designation</b>	<b>Organisation</b>
1	Shri Kamal Kishore, Member Secretary	NDMA
2	Shri Rajendra Singh Member	NDMA
3	Shri Krishna S. Vatsa Member	NDMA
4	Ms. Sreyasi Chaudhuri Joint Secretary & Project Director, PMU	NDMA
5	Sh. Ravinesh Kumar Financial Advisor	NDMA
6	Sh. Samir Kumar, Dy. Project Director, PMU	NDMA
7	Sh. Rajeev Sharma Project Manager, PMU	NDMA
8	Sh. Tinku Kumar Procurement Specialist, PMU	NDMA
9	Sh. Saurabh Mishra Joint Secretary, Insurance	DFS
10	Sh. Anup Karanth Task Team Leader	The World Bank
11	Sh. Vijayasekar Kalavakonda Senior Operations Officer, IFC	The World Bank
12	Sh. Sudipta Bhattacharya General Manager	IRDAI
13	Sh. Prashant Makwana Sector Manager	Gujarat
14	Dr. A Kowsigan, Commissioner Disaster Management & Nodal Officer	Kerala
15	Shri Meghanad Behera, Shelter Management & Communication Interface Expert	Odissa
16	Shri. S. A. Murugesan, IAS Secretary Disaster Management & Nodal Officer	Uttarakhand
17	Mr. Roger Robert Grenier, Jr. Team Leader	AIR Corporation Worldwide
18	Mr. Raju Datla Hazard Vulnerability Expert	AIR Corporation Worldwide
19	Mr. Srinivas Kondapalli Disaster Risk Management Specialist	AIR Corporation Worldwide
20	Mr. Someswer Devulaplli Risk Modeling Analyst	AIR Corporation Worldwide
21	Mr. Andrew Hulme Actuarial / Insurance Expert	Guy Carpenter & Company Limited