

MINUTES OF THE MEETING TO REVIEW PROGRESS ON 2ND DELIVERABLE OF STUDY "DEVELOPMENT OF WEB-DCRA & DSS TOOL FOR CYCLONE & ASSOCIATED IMPACTS" UNDER NCRMP (PH. II) HELD ON 10.07.2019 AT 3:00 PM in OPS. ROOM, NDMA BHAWAN, NDMA, NEW DELHI.

The meeting to review progress on 2nd Deliverable of the study "*Development of Web based Dynamic Composite Risk Atlas (Web-DCRA) and Decision Support System (DSS) Tool for Cyclone & associated impacts, including storm surge and inland flooding*" under NCRMP (Phase II) was held on 10th July, 2019 at 3 PM under the Chairmanship of Dr. Pradeep Kumar, the Secretary (I/C), NDMA. The meeting was attended by Officials from NDMA, IMD, World Bank, and M/s RMSI. List of participants is attached at Annexure-I.

2. The meeting started with a welcome note from the Secretary (I/C), NDMA. A presentation was made by RMSI Team on overall progress achieved so far in 2nd Deliverable of the study, i.e., Development of Probabilistic Risk Assessment Maps/Products. Focused review was done on Probabilistic Hazard and Risk Maps displayed/demonstrated by the consultant for different return periods w.r.t. cyclonic wind, storm surge and inland flooding. Status of availability of Exposure database required for the study and development of scenario for the recent cyclone 'FANI' was also discussed.

3. After deliberation involving views/suggestions of participants, following decisions were taken:

- i. Power Transmission Tower, Sub-station (11 KV and above), Power line & Telecom infrastructures including EWDS Tower, Slum areas and House categories (Type-wise) are to be mapped for visualization in Web-DCRA Tool.
- ii. Polygon selection feature is to be included in the DSS Tool to view any parameter for any area at any point of time.
- iii. RMSI to produce Cyclone 'FANI' scenarios visualization on map.
- iv. RMSI will intimate PMU the details of requisite exposure data to be obtained from States/UTs.
- v. RMSI will approach concerned agencies in Coastal State/UTs for the exposure data required under the study. In this connection, RMSI will set up meeting with respective Relief Commissioner in the States.
- vi. Regular coordination with RMSI will be made by PMU and RMSI will submit status report on progress in development of Web-DCRA & DSS Tool on weekly basis to PMU.
- vii. RMSI to provide draft letters in connection with the requirement of wind speed and surge velocity.
- viii. RMSI to intimate PMU about the exposure data available with them.
- ix. RMSI has to improve the quality of visualization of Web-DCRA and DSS Tool and confirmation will be given by them within a week.
- x. RMSI has shown incorrect data pertaining to exposure elements (MPCS, etc) affected during demonstration. Necessary correction in the database is to be made by RMSI.
- xi. Details of the infrastructures which are likely to be affected by different intensity of cyclone, wind, and associated impacts (including storm surge and inland flooding) are to be displayed on vulnerability and risk assessment maps (under DSS Tool). In

other words, the model should have features of visual depiction of the vulnerable areas. Software programming has to be done accordingly within a week.

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


(Samir Kumar)

Dy. Project Director
NCRMP, NDMA

Annexure-I

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