

MINUTES OF REVIEW MEETING ON 5TH DELIVERABLE (*CLOSURE REPORT AND FULLY OPERATIONAL WEB-DCRA & DSS TOOL, OFFLINE DESKTOP VERSION OF WEB-CRA AND OFFLINE EXPOSURE MANAGEMENT*) HELD ON 17.09.2021 AT 11AM THROUGH VIRTUAL CONFERENCE.

A meeting on Web based Dynamic Composite Risk Atlas (Web-DCRA) and Decision Support System (DSS) Tool for cyclone and associated impacts was held through virtual conference on 29th July, 2021 at 11AM under the Chairmanship of Dr. M. Mohapatra, DGM, IMD, New Delhi. The meeting was attended by Officials from NDMA, IMD, INCOIS, NRSC, NHO, The World Bank, and Consultant (M/s RMSI). List of participants is attached at **Annexure – I**.

2. The meeting started with review of compliance of decisions of the review meeting on 5th Deliverable held on July 29, 2021. The RMSI team made demonstration on fully operational Web-DCRA & DSS Tool and Offline Exposure Management showing compliances in terms of features incorporated in DCRA & DSS Tool.

3. Based on the discussions/demonstration, following decisions were taken:

i. Number of *infrastructure assets/elements at risk* damaged due to cyclonic event to be compared with outputs of Web-DCRA, and RMSI will submit reports on past cyclones viz.; Fani, Amphan, Nisarga, Nivar, Burevi, Tauktae and Yaas which hit Indian coasts during 2019-21 by 1st week of October 2021. Cumulative information from MHA's Situation reports to be taken into account.

ii. Replace the phrase 'RMSI Pvt. Ltd.', presently appearing at the bottom of Situation Report generated by Web-DCRA, with 'Developed under National Cyclone Risk Mitigation Project'.

iii. During training programme, RMSI to ensure updation of exposure data upto 2021 by States. The data format to be updated will be shared with States by RMSI, prior to onset of the training & capacity building activities.


iv. All decision points of the review meeting held on 29th July 2021 were examined and found complied except, following points:

(a) The real/actual information from reliable data to be integrated with the Web-DCRA Tool for comparison of expected damage & loss with actual damage – [*Considered to be dropped*].

(b) The Application will have space/library to store the satellite imageries of observed flood extent (from NRSC) and provision to be made in the

application to perform validation/comparison with the flood hazard modelling output – [*Considered to be dropped in view of inference of exercise done in case of 'Amphan'. The ATR by RMSI should mention inference of exercise done in case of 'Amphan'.*]

- (c) Exposure data with structural & non-structural attributes to be updated by States on quarterly basis, essentially in March and September every year in coordination with Space Application Centre (SAC) and other relevant Departments/Agencies of State. Accordingly, the SOP needs to capture this information, highlighting State wise agency/institution and person-in-charge for data updation.
- State will provide details on State wise agencies/institutions and Person in-charge for data updation. It will be pre-requisite to training.
- v. An E-Mail group should be created for sending the 'error files' on real-time runs of the application.
- vi. RMSI to provide comprehensive workshop cum hands-on trainings to designated Officers including Nodal Officer for Web-DCRA & DSS Tool of all 13 coastal States/UTs and the concerned Agencies/key stakeholders on operation of Web-DCRA & DSS Tool and Exposure Data updation. Training modules/materials to be submitted at the earliest.
- vii. Provision for running the application at Depression / Deep Depression stage for internal consumption based on track forecast by IMD may be done.
5. The meeting ended with thanks to the Chair and all the participants.


27.09.2021
(Sanjay K Sharma)
Project Manager
NCRMP, NDMA

MINUTES OF REVIEW MEETING ON 5TH DELIVERABLE (CLOSURE REPORT AND FULLY OPERATIONAL WEB-DCRA & DSS TOOL, OFFLINE DESKTOP VERSION OF WEB-CRA AND OFFLINE EXPOSURE MANAGEMENT) HELD ON 17.09.2021 AT 11AM THROUGH VIRTUAL CONFERENCE.

Sl. No.	Name of Officials with Designation	Organisation
1	Sh. Samir Kumar Dy. Project Director, PMU	NDMA
2	Dr. Sanjay K Sharma Env. Specialist, PMU	NDMA
3	Mr. Anup Karanth Sr. DRM Specialist& TTL	The World Bank
4	Dr. Sunitha Devi S. Scientist 'E', Cyclone Warning Division	IMD
5	Dr. Shankar Nath Scientist 'E'	IMD
6	Dr. E. Pattabhi Rama Rao Scientist 'F', ODG	INCOIS
5	Dr. PLN Murthy Scientist 'D', OMDA	INCOIS
6	Dr. K H V Durga Prasad Rao	NRSC
7	Representative	NHO
8	Sh. Pushpendra Joahari Team Leader	M/s RMSI
9	Dr. Sushil Gupta Dy. Team Leader	M/s RMSI
8	Mr. Sachin Jalota Sr. Software Developer	M/s RMSI
9	Mr. Lokendra Dixit Project Manager	M/s RMSI
10	Mr. SanwarBaijya Sr. Technical Specialist (Flood)	M/s RMSI
11	Mr. Rakesh Chaudhary Sr. Engineer (Flood Modeller)	M/s RMSI