

Report of the Training program on Disaster Database and State Disaster Response Fund Assistance for Taluk & Village Officers and Revenue Staff of Kerala.

Resource Persons	:	Ms. Amrutha K, Hazard Analyst, KSDMA Ms. Chandini P. C. Senan, Hazard Analyst, Economics, KSDMA
Coordinator	:	Dr. Karunakaran Akhil Dev Consultant Disaster Management
Liaison	:	Shri. Clint Mathew, Social Capacity Building Specialist
Moderators	:	Hazard Analyst of consecutive districts in Kerala.
Mode of meeting	:	Online Training
Platform	:	Webex and Google Meet
Participants	:	Government Officials
Date	:	07.03.2022 to 26.04.2022



Kerala State Disaster Management Authority
Government of Kerala

Thiruvananthapuram, Kerala, India - 695033

Background of Training :

It was decided that the revenue secretariat held on 9th February 2022 chaired by Hon'ble Minister for Revenue to conduct online training on Disaster Database Orange Book & SDRF Assistance for all the revenue officials at the districts/taluk/village level which is entrusted to KSDMA. Hence a detailed plan was worked out to conduct the training program. Resource Persons are from KSEOC itself. Its support is needed in hosting all these meeting online. No financial expenditure was expected. A letter along with the link of the meeting shall go to all the DDMA's. Maximum participants shall be to 1000 nos. The tentative schedules is attached herewith. The training was conducted in two sessions

Sl.No	Name	Designation	Duty	Topic
1	Dr. Karunakaran Akhil Dev	Consultant Disaster Management, KSDMA	Coordinator	Introductory & Closing Remarks for sessions.
2	Ms. Amrutha K,	Hazard Analyst Environment, KSEOC	Resource Person	Session I Database in Disaster Management
3	Ms. Chandini P. C. Senan	Hazard Analyst Economics, KSEOC	Resource Person	Session II SDRF Assistance
4	District Moderators	Hazard Analyst of concerned District EOC's	Moderators	Liaison for Online Meeting with Taluk, VO's, Revenue Staffs.

Tentative schedule (Online)

Disaster database and State Disaster Response Fund assistance online training for taluk officers and village officers

Date	Time	Session	District
07.03.2022	11.00 AM - 12.00 PM	Disaster database	Kasaragode
	12.00 PM - 1.00 PM	SDRF assistance	
08.03.2022	11.00 AM - 12.00 PM	Disaster database	Kannur
	12.00 PM - 1.00 PM	SDRF assistance	
09.03.2022	11.00 AM - 12.00 PM	Disaster database	Kozhikode
	12.00 PM - 1.00 PM	SDRF assistance	
14.03.2022	11.00 AM - 12.00 PM	Disaster database	Wayanad
	12.00 PM - 1.00 PM	SDRF assistance	
15.03.2022	02.30 PM - 3.30 PM	Disaster database	Malappuram
	03.30 PM - 4.30 PM	SDRF assistance	
16.03.2022	02.30 PM - 3.30 PM	Disaster database	Palakkad
	03.30 PM - 4.30 PM	SDRF assistance	
18.03.2022	02.30 PM - 3.30 PM	Disaster database	Thrissur
	03.30 PM - 4.30 PM	SDRF assistance	
19.03.2022	03.00 PM - 4.00 PM	Disaster database	Ernakulam
	04.00 PM - 5.00 PM	SDRF assistance	
21.03.2022	02.30 PM - 3.30 PM	Disaster database	Idukki
	03.30 PM - 4.30 PM	SDRF assistance	
22.03.2022	02.30 PM - 3.30 PM	Disaster database	Alappuzha
	03.30 PM - 4.30 PM	SDRF assistance	
23.03.2022	02.30 PM - 3.30 PM	Disaster database	Kottayam
	03.30 PM - 4.30 PM	SDRF assistance	
24.03.2022	02.30 PM - 3.30 PM	Disaster database	Pathanamthitta
	03.30 PM - 4.30 PM	SDRF assistance	
25.03.2022	10.30 PM - 11.30 PM	Disaster database	Kollam
	11.30 PM - 12.30 PM	SDRF assistance	
26.03.2022	10.30 PM - 11.30 PM	Disaster database	Thiruvananthapuram
	11.30 PM - 12.30 PM	SDRF assistance	

Disaster database

Ms. Amrutha K, Hazard Analyst, Environment

SDRF Expenditure

Ms. Chandini P. C. Senan, Hazard Analyst, Economics

Moderator

Dr Akhilesh Karunakaran & Hazard Analyst (District)

Session I

Database in Disaster Management

The session was rendered by the resource person Hazard Analyst Environment, Amrutha. K. of the Kerala State Emergency Operation Center (KSEOC), KSDMA. The session contained 1 to 45 slides presented. The importance of databases in Disaster Management was addressed. The portions covered were Disaster history, Calamity details (Damage, Death etc), Details of financial assistance provided, Data base of resource inventory, Database of Vulnerable areas, Database of Vulnerable people, Database of Volunteers, Database of communication systems, Data base of meteorological data. These introductory remarks has provided for Better understanding of disaster profile of the district to reduce risk and enhance effective coordination. A brief of the State specific disasters under notified disasters was put forth through the session as an understanding for provision and data feeds into the databases like; National Database for Emergency Management (NDEM), India Disaster Resource Network (IDRN), National Disaster Management Information System (NDMIS).

National Database for Emergency Management (NDEM)

Government of India has envisaged a policy to build a safer and disaster resilient India by developing a holistic, integrated proactive multi disaster and technology driven strategy for disaster management through collective efforts of all government agencies and non-government organisations. Accordingly, Ministry of Home Affairs (MHA) has translated this approach into National Database for Emergency management (NDEM) for taking up ameliorative measures for providing timely information and decision making in the event of disasters (Figure 2). National Remote Sensing Centre (NRSC), Indian Space Research Organisation (ISRO) is the lead agency to implement and operationalize NDEM project. NDEM essentially serves as national repository of GIS based data for entire country coupled

with set of Decision Support System tools to assist the disaster managers in decision making during emergency situations (Figure 1 & 2).



Figure 1. Features of NDEM.

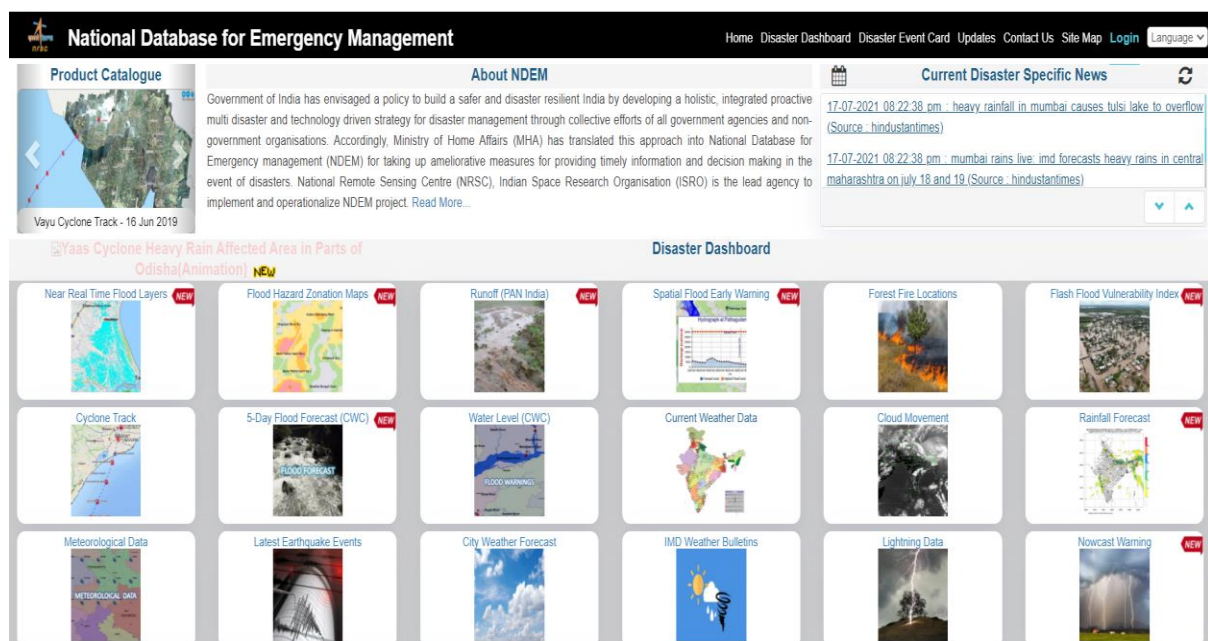


Figure 2. View Online platform NDEM.

National Database for Emergency Management (NDEM)

Rainfall Data

Flood/Heavy Rainfall Data Submission Form

07/17/2021 Till date (current monsoon) During last 24 hours

- Rainfall(mm)
- Affected Districts
- No. of Village Effected
- Population Affected
- Human Lives Lost(District wise)
- No. of People Missing
- No. of People Injured
- Houses damaged(Partially)
- Houses damaged(Fully)
- Animal Deaths
- No. of Persons Evacuated
- No. of Relief camps Opened
- Inmates in the Relief camps

Flood /Heavy Rainfall Report - Till Date

Show 10 entries Search:

Date (yyyy-mm-dd)	State	Rainfall Value (mm)	No. of District Affected	Affected Population (No.)	Relief Camps Opened (No.)	Edit Data	Print
2021-07-17	palakkad	460.2	1	0	1		
2021-07-16	kerala	2065.7	14	4808	185		
2021-07-16	palakkad	430.4	1	0	1		
2021-07-15	kerala	2006.4	14	4808	183		
2021-07-15	palakkad	376.6	1	0	1		
2021-07-15	thiruvananthapuram	234.71	1	2000	27		
2021-07-15	kerala	1296.1	14	4758	182		
2021-07-14	kerala	1975	14	4758	183		
2021-07-14	palakkad	334.5	1	0	1		
2021-07-14	kerala	1945.4	14	4758	183		

Developed by National Database for Emergency Management , NRSC, ISRO

Figure 3. Inside view of NDEM Portal - Data Entry - Rainfall Data.

Link to access NDEM portal	https://ndem.nrsc.gov.in/login.php
NDEM - Incident Reporting	NRSC(space)NDEM(space) Type your message to 51969

India Disaster Resource Network (IDRN)

India due to its unique geo-climatic conditions, is highly vulnerable to several types of hazards: Floods, Earthquakes, Cyclones, Landslides, Tsunami etc. One of the major challenges in responding to disaster in a professional way is the lack of data on the inventory of resources (equipment and skilled human resource). This delays effective and rapid response, which is critical for saving lives. Therefore, a need was felt to build an inventory of resources that can help the district collectors and disaster managers was felt acutely and this resulted in developing of IDRN.

The India Disaster Resource Network (IDRN) is a web based platform for managing the inventory of equipment, skilled human resources and critical supplies for emergency response. It was initiated by Ministry of Home Affairs (MHA) in 2004 under the GOI - UNDP Disaster Risk Management (DRM) Programme, to build up a systematic inventory of equipment and skilled human resources so that disaster managers can find the location and details of the resources for immediate response. National Institute of Disaster Management

(NIDM), Ministry of Home Affairs, Government of India, has been managing the IDRN Portal since June 2008. The primary focus is to enable the decision makers to access equipment and human resources required to combat any emergency situation.

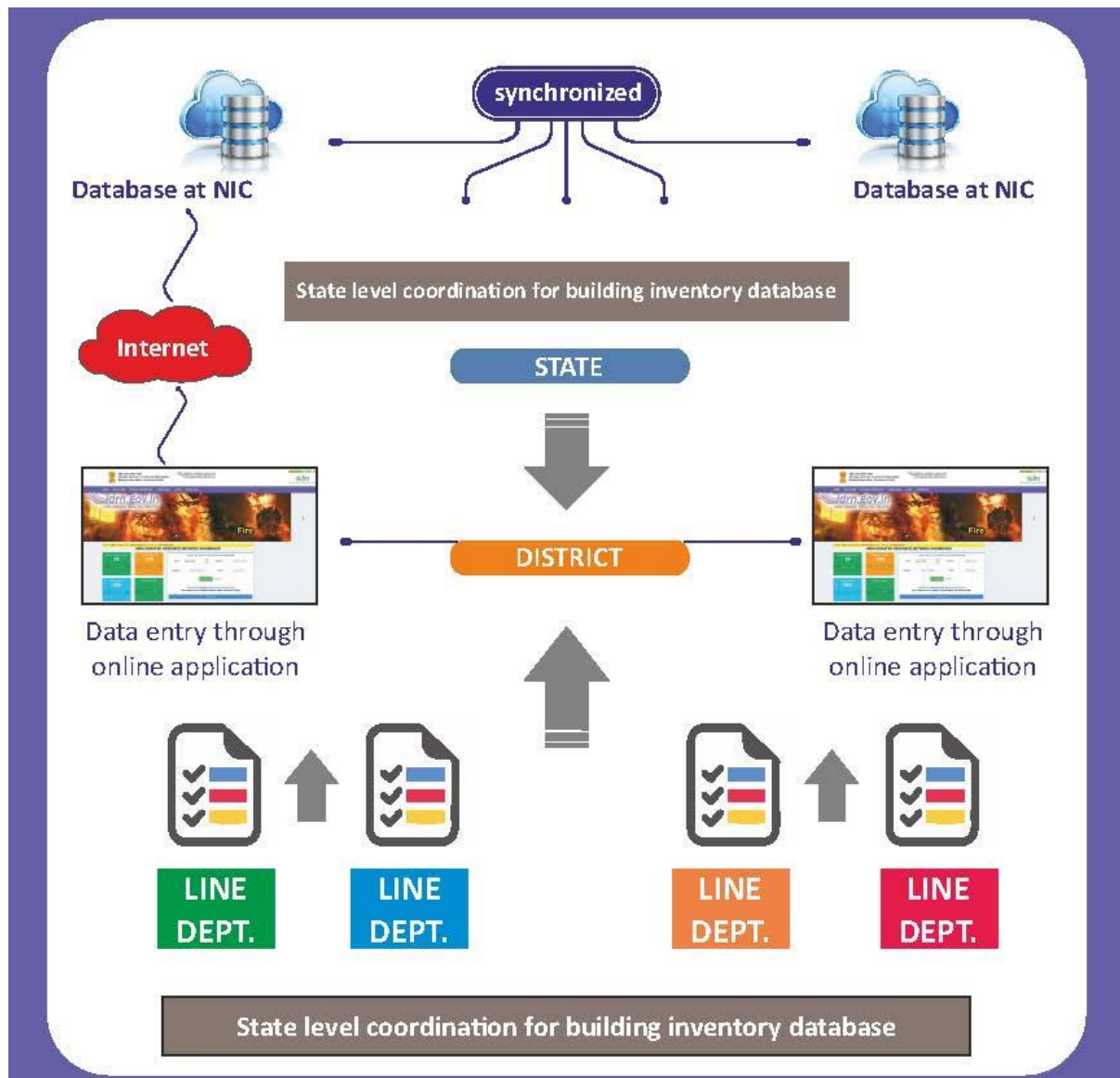


Figure 4. Flowchart of the IDRN Database of NIC

Role of NIC -The IDRN portal is hosted at National Information Center (NIC) Server

Role of NIDM - IDRN is currently monitored and maintained by National Institute of Disaster Management (NIDM) centrally. Role of NIDM is limited to user administration, development and technical maintenance, training and technical support. NIDM is not involved in data collection or updation.

Role of State Authorities - State Department of Relief /Disaster Management / State Disaster management Authority (SDMA) Coordinate with District Magistrate (DM) /District Collector (DC) regarding updation of data in IDRN.

Role of District Authorities - DC /DM is the authorized officers facilitating data collection and updation from the district level. Data collection formats need to be sent to all line dept./agencies from the district administration and need to be collected within a week or two. Data entry should be done at the district level availing the technical services of District Informatics officers.

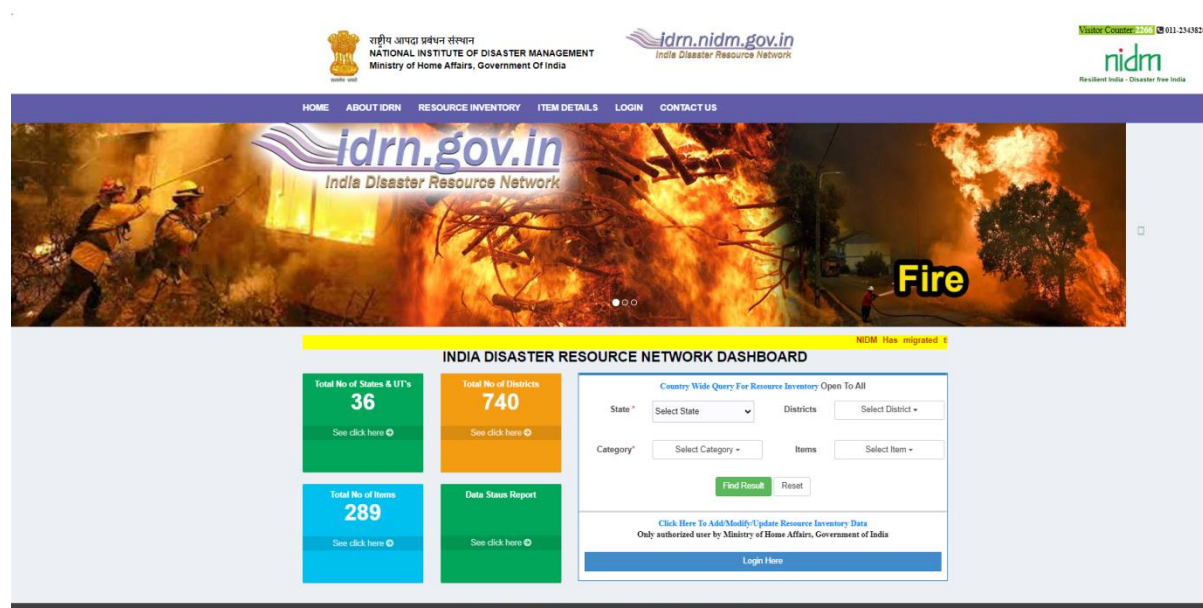


Figure 5. Preview of IDRN Database Dashboard

Link to access portal	https://idrn.nidm.gov.in/
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Table 1. Link to access IDRN portal

IDRN Data Collection

The data collection formats are intended to be filled up by the line departments/ agencies/ organizations and the whole exercise will be coordinated by the District Collector. The format need to be sent to all line departments / agencies from the district administration and need to be collected within a week or scheduled on particular time limit period. Then the data entry should be done at the district level under the district collector's authority. The format is divided into two parts; *Part 1*- 'Form1', *Part 2*- 'Form2A, Form2B & Form2C'.

- **Form1** contains details of the line dept/ agency having the equipment and need to be filled up by the concerned line dept/ agency. It also contains a standardized set of equipment's under its corresponding Activity & Category with codes.
- **Form2A** contains the details of the “**Equipment**” (Equipment used in emergency response e.g. Cutters, excavators, fire tenders etc.).
- **Form 2B** contains the details of “**Skilled human resources**” (People with various skill sets & expertise in emergency operation).
- **Form 2C** contains the details of “**Critical Supplies**” (Consumable items which requires very frequent update e.g. Medicines).

Form-1

Department or Agency Details

(The Fields mark with (*) are mandatory)

S. No.	Title	Details	
1.	Dept. Name / Agency Name*		
2.	Dept. Address / Agency Address*	Line1*	
		Line 2	
		City*	
		Pin code*	
		Latitude	
	Longitude		
3.	Contact Person Name*		
4.	Contact Person Designation*		
5.	Telephone Number1*		
6.	Telephone Number2		
7.	Telephone Number3		
8.	Mobile Number*		
9.	Fax Number		
10.	Email ID		
11.	Source*	Govt. <input type="checkbox"/> PS Unit <input type="checkbox"/> Military <input type="checkbox"/> NDRF <input type="checkbox"/>	
		Indian Army <input type="checkbox"/> Private/NGO <input type="checkbox"/>	

Form 2-A

**Please enter in the table below the details of items you have checked as available in FORM-1
(All the fields are mandatory)**

[illegible]

(For all types of equipment only)

**Please enter in the table below the details of items you have checked as available in FORM-1
(All the fields are mandatory)**

[illegible]

<https://idrn.nidm.gov.in/>

Form 2-C
Please enter in the table below the details of items you have checked as available in FORM-1
(All the fields are mandatory)

[illegible]

<https://idrn.nidm.gov.in/>

STATE LEVEL USER- Total 36 State registered in IDR portal (Incl Union Territories)

TOTAL NO OF CATEGORY - 36

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Table 2.

No of Data Entered in Kerala State in IDRN

Sl.No	District Name	Total No of Records Updated (01-Jan 2021 To 01- July -2021)
1	Alappuzha	191
2	Ernakulam	811
3	Idukki	466
4	Kannur	0
5	Kasaragod	217
6	Kollam	130
7	Kottayam	72
8	Kozhikode	26
9	Malappuram	173
10	Palakkad	80
11	Pathanamthitta	121
12	Thiruvananthapuram	40
13	Thrissur	359
14	Wayanad	107

Table 3.

No of Data Entered by Kerala Government Sectors in IDRN

SL.No	District Name	Records Updated (01-Jan 2021 To 01- July -2021)
1	Alappuzha	185
2	Ernakulam	789
3	Idukki	466
4	Kannur	0
5	Kasaragod	217
6	Kollam	116
7	Kottayam	72
8	Kozhikode	26
9	Malappuram	173
10	Palakkad	80
11	Pathanamthitta	121
12	Thiruvananthapuram	14
13	Thrissur	356
14	Wayanad	106

Table 4.

No of Data Entered by Kerala Government Sectors in IDRN

Sl.No	District Name	Total No of Records Updated (01-Jan 2021 To 01- July -2021)
1	Alappuzha	6
2	Ernakulam	0
3	Idukki	0
4	Kannur	0
5	Kasaragod	0
6	Kollam	14

7	Kottayam	0
8	Kozhikode	0
9	Malappuram	0
10	Palakkad	0
11	Pathanamthitta	0
12	Thiruvananthapuram	0
13	Thrissur	0
14	Wayanad	0

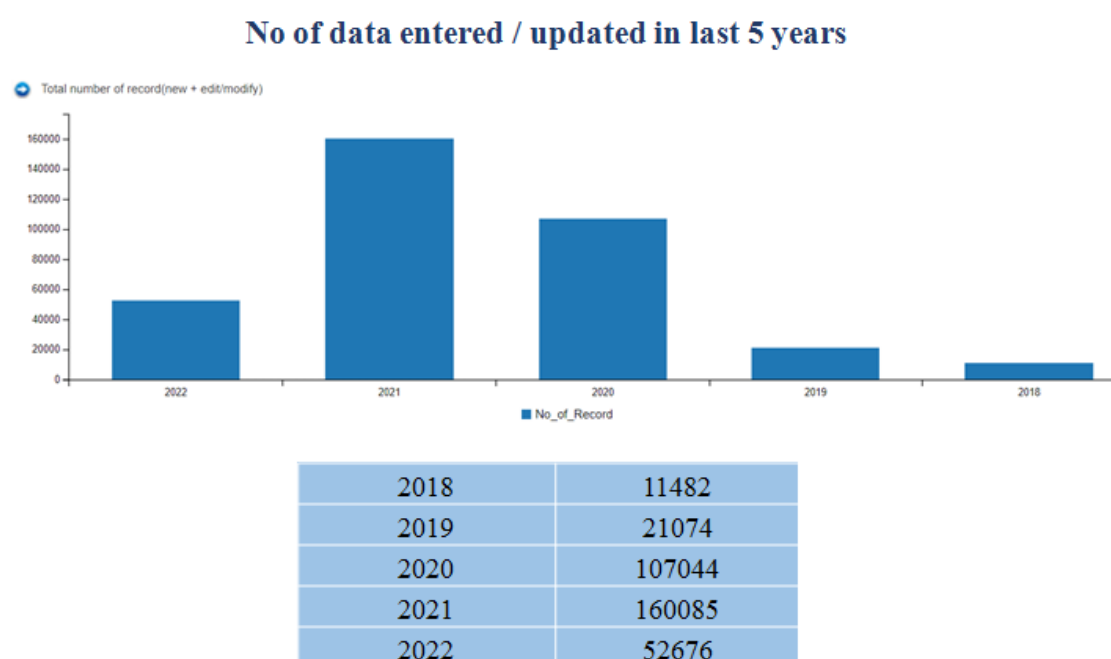


Figure 6. Status of data entered in IDR portal Kerala State

National Disaster Management Information System (NDMIS)

Comprehensive online application, being developed to capture disaster damages and the losses effectively and also for monitoring of funds disbursement under State Disaster Response Fund (SDRF) and National Disaster Response Fund (NDRF) to States for relief activities in case of disasters. The online System will track the impacts of hazards for the entire country up to district level. The online system has two components, SDRF and NDRF.

Advantages of NDMIS

- For improving data transparency, data availability, data authenticity and data consolidation at central level related to the allotment and utilisation of SDRF and NDRF.
- The second component captures disaster damage and losses and also for monitoring the Sendai Framework for Disaster Risk Reduction (SFDRR) target A to D

NDMIS – Situation reporting

Select Disaster*		Date*		Rain fall (in mm)	
--Disaster ID--		Enter date		0.00	
Village effected	Population effected	Human lives lost	Number of missing	Number of injured	House damaged
Number of village	Number of effected	Number of live lost	Number of missing	Number of injured	Number of house
Animal affected	Person evacuated	No. of Relief camp open	Inmates in relief camps	Infrastructure damage	Affected Crop Area
Number of animal	Number of person	Number Of relief camp	Number of inmates	Number Of damage	Enter in hectares
Submit					

Figure 7. Showing the Dashboard NDMIS Situation reporting page.

According to the Orange Book of Disaster Management the Monsoon Preparedness and Disaster Risk Reduction Guidelines has daily reporting that ensures Disaster Damage details by the respective departments in the Google Sheet before 3 pm daily. The codified report of the respective week should be available on the last working day of each month to seoc.gok@gmail.com. Make sure that the information of all the departments is given on the exact day.

Figure Template for Collection of Data from Districts

FORMAT FOR COLLECTION OF STATISTICS ON DISASTER: DISTRICT LEVEL

Name of Disaster(with code):
Name of District (with code):
Date of Disaster (DD/MM/YYYY):
Affected population(no.)
Percentage of affected population (%)
Villages affected (no)
Families affected (no)

S. No.	ITEM
1.	LIVES
	(a) Number of Deaths(no.)
	Male
	Female
	Children
	(b) Number of injuries(no)
	(i)major
	Men
	Women
	Children
	(ii)minor
	Men
	Women
	Children
2.	LIVESTOCKS
	(a) Number of animal perished(no.)
	(i)cow
	(ii)buffalo
	(iii)Sheep
	(iv)Goats
	(v)Camels
	(vi)Horse/mules/donkey
	(vii)Poultry/ duck
	(viii)Pigs
	(x)Others
3.	AGRICULTURE
	Season: Rabi/Kharif
	(a) Food grains
	(i) Sown area affected (hectr)

	(ii) Production lost tons
	(a)Cash crops
	(iii) Sown area affected (hectrs)
	(iv) Production lost (tosns)
	(c)Horticultural crops
	(v) Sown area affected(hectrs)
	(vi) Production lost (tons)
	(d)Trees uprooted(no)
	(e) area Affected (hectrs)
4.	HOUSING
	Number of affected houses(no)
	(a) Rural
	(i) Kuchha
	Fully
	Partially
	(ii) Pucca
	Fully
	Partially
	(b) Urban
	(i) Kuchha
	Fully
	Partially
	(ii) Pucca
	Fully
	Partially
5.	INFRASTRUCTURE
	(A)ROADS
	(a) Road length damaged (km)
	(i) National highway
	(ii) State highway
	(iii) District road
	(iv) Others
	(B)Villages disconnected to transportation facility
	(i) Number
	(ii) Days
	(B) BRIDGES
	(a) Motorables (no)
	Fully
	Partially
	(b)Pedestrian(no)
	Fully
	Partially
	(C) WATER SUPPLY SYSTEM
	(a) Pipe line
	(i) Trunk(no)
	Fully damaged
	Partially damaged
	(ii) Distribution (no)
	Fully damaged
	Partially damaged

	(b) Pumping station(no)	
	Fully damaged	
	Partially damaged	
	(c) Overhead reservoirs	
	Fully damaged	
	Partially damaged	
	(d) Water treatment plant	
	Fully damaged	
	Partially damaged	

	(e) Drinking Water Tanks (no.)	
	fully damaged	
	partially damaged	
	(f) Drinking Water Wells (no.)	
	fully damaged	
	partially damaged	
	(g) others (please mention)	
	fully damaged	
	partially damaged	
	(D) SWERAGE SYSTEM	
	(a) trunk (no)	
	fully damaged	
	partially damaged	
	(b) distribution (no)	
	fully damaged	
	partially damaged	
	(c) sewerage treatment plant (no)	
	fully damaged	
	partially damaged	
	(E) IRRIGATION	
	(a) breach of canal damaged	
	number	
	(b) breach of dam damaged	
	number	
	(c) irrigation tank damaged	
	number	
	(d) irrigation wells damaged	
	number	
	(e) reservoirs damaged	
	number	
	(F) ELECTRICITY SUPPLY*	
	(a) high tension lines damaged	
	length	
	No of days	
	(b) low tension line damaged	
	length	
	No of days	
	(c) transformers damaged	

	number	
	No of days	
	(d) substations damaged	
	number	
	No of days	
*Note : For more than one damages the average no of days may be reported against items " No of days "		
	(G) BUILDING	
	(a) primary schools (no)	
	partially	
	fully	
	(b) secondary schools (no)	
	partially	
	fully	

	(c) Community center (no)	
	partially	
	fully	
	(d) health centers (no)	
	Dispensaries	
	PHCs	
	Hospitals (DH /SDH)	
	(e) Other Government Building	
	partially	
	fully	
	H.SHOPS AND OTHER COMMERCIAL BUILDING DAMAGED	
	(a) shops	
	partially	
	fully	
	(b) other commercial buildings	
	partially	
	fully	
	(I) OTHER UTILITIES	
	(a) land telephone disrupted (no. of days)	
	(b) mobile phones disrupted (no. of days)	
	(c) villages disconnected to communication facilities (no.)	
	(i) Number	
	(ii) Days	
6.	HEALTH	
	Occurrence of epidemics (no. of persons affected) : (a)	
	water borne	
	(i) Cholera	
	(ii) Diarrhea	
	(iii) Others	

	(b) vector borne	
	(i) Malaria	
	(ii) Dengue	
	(iii) Plague	
	(iv) Other	
	(c) Others	
	TOTAL EXPENDITURE INCURRED ON MITIGATION	

Session II

SDRF Assistance

The session was rendered by the resource person Hazard Analyst Economics, Chandini P C Senan of the Kerala State Emergency Operation Center (KSEOC), KSDMA. A total of 17 slides were presented for Village Officials and Revenue Staffs in consecutive days. The session was dealt understanding the SDRF provisions, how to provide assistance using the SDRF, the types of disasters for SDRF expenditure was rendered in this session. It was noted that the state specific and notified disasters has only provisions to spend the SDRF. Provisions of Gratuitous Relief, Shelter Materials and Utensils, Provision for House Damage, SFDRR, NDMIS and targets A to D was rendered.

The State Disaster Response Fund (SDRF), constituted under Section 48 (1) (a) of the Disaster Management Act, 2005, is the primary fund available with State Governments for responses to notified disasters.

National Disasters

1. Flood
2. Drought
3. Cyclone
4. Fire
5. Earthquake
6. Tsunami
7. Landslide
8. Hailstorm
9. Avalanche
10. Cloud Burst
11. Pest Attack
12. Cold Wave/ Frost



State Specific Disasters

- Coastal erosion
- Lightning
- Strong wind less than cyclone storms
- Soil piping
- Heat wave
- Sunstroke
- Sunburn

The Central Government contributes 75% of SDRF allocation for general category States/UTs. The annual Central contribution is released in two equal installments as per the recommendation of the Finance Commission.

Provisions of Gratuitous Relief :

The Ex-gratia payment for different categories was mentioned, for Death- Rs 4 lakhs per deceased, Loss of a limb or eyes (40-60%)- Rs 59100, Loss of a limb or eyes (>60%)- Rs 2 lakh, Grievous injury requiring hospitalisation; More than a week – Rs 12700 and Less than a week- Rs 4300 (*Slide No.6*).

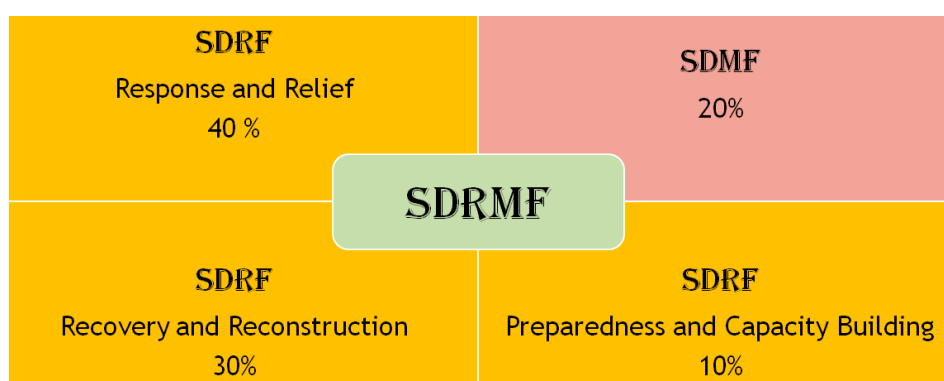
Shelter Materials and Utensils :

A total of Two Thousand Rupees (2,000/-) per household for loss of utensils/ household goods can be given and a total of One Thousand (1,800/-) Rupees for clothing per household and are for families whose houses have been washed away/ fully damaged/severely inundated for more than two days (*Slide No.7*).

Provision for House Damage :

The assistance for "Pucca House" for *Fully Damaged* or *Severely Damaged* in plain area a total of 95,100/- rupees can be provided and for the "Kucha House" house in *Hilly Area* a sum of Rs.1,01,900 rupees can be provided under Fully Damaged/Severely Damaged house. The provisions for partially damaged house an sum of 52000 rupees can be provided under *Pucca House* category. For *Kucha House* category a sum of 3200 rupees can be provided to the partially damaged houses and a sum of 4100 rupees can be given to huts damaged or destroyed (*Slide No. 8*).

State Disaster Risk Management Fund (SDRMF)



The funding windows of SDRF and SDMF are not inter-changeable. Flexibility for re-allocation within the three sub-windows of SDRF.

The Sendai Framework for Disaster Risk Reduction 2015-2030 (Sendai Framework):

It is the first major agreement of the post-2015 development agenda and provides Member States with concrete actions to protect development gains from the risk of disaster. The substantial reduction of disaster risk and losses in lives, livelihoods and health and in the economic, physical, social, cultural and environmental assets of persons, businesses, communities and countries. It recognizes that the State has the primary role to reduce disaster risk but that responsibility should be shared with other stakeholders including local government, the private sector and other stakeholders (*Slide No. 9 to 12*).

NDMIS (portion in SDRF assistance presentation) :

Capturing disaster damage and losses and also for monitoring the Sendai Framework for Disaster Risk Reduction (SFDRR) target A to D. The data will be disaggregated by geographical, administrative unit, gender, disability and by the type of Disasters. Enable to monitor the national implementation progress of the Sendai Framework for DRR (Targets A to D) (*Slide No. 13 to 17*).

Global target A: Substantially reduce global disaster mortality by 2030, aiming to lower average per 100,000 global mortality between 2020-2030 compared with 2005-2015.

A-1 (compound) Number of deaths and missing persons attributed to disasters, per 100,000 population.

A-2 Number of deaths attributed to disasters, per 100,000 population.

A-3 Number of missing persons attributed to disasters, per 100,000 population.

The scope of disaster in this and subsequent targets is defined in paragraph 15 of the Sendai Framework for Disaster Risk Reduction 2015-2030 and applies to small-scale and large-scale, frequent and infrequent, sudden and slow-onset disasters caused by natural or man-made hazards, as well as related environmental, technological and biological hazards and risk

Data Required for Filling Target A

SI No.	Year	Disaster Type

Number of Deaths (A-2)								
Male	Female	Others	Children(0-14)	Adult(15-64)	Elder(>65+)	With disabilities	Below Poverty Line	Total

Number of Missing (A-3)								
Male	Female	Others	Children(0-14)	Adult(15-64)	Elder(>65+)	With disabilities	Below Poverty Line	Total

Global target B: Substantially reduce the number of affected people globally by 2030, aiming to lower the average global figure per 100,000 between 2020-2030 compared with 2005-2015.

- B-1 (compound)** Number of directly affected people attributed to disasters, per 100,000 population.
- B-2** Number of injured or ill people attributed to disasters, per 100,000 population.
- B-3** Number of people whose damaged dwellings were attributed to disasters.
- B-4** Number of people whose destroyed dwellings were attributed to disasters.
- B-5** Number of people whose livelihoods were disrupted or destroyed, attributed to disasters.

Data Required for Filling Target B

SI No.	Year	Disaster Type

Injured or ill (B-2)								
Male	Female	Others	Children(0-14)	Adult(15-64)	Elder(>65+)	With disabilities	Below Poverty Line	Total

Impact in Damaged Dwelling (B-3)								
Male	Female	Others	Children(0-14)	Adult(15-64)	Elder(>65+)	With disabilities	Below Poverty Line	Total

Impact in Destroyed Dwellings(B-4)								
Male	Female	Others	Children(0-14)	Adult(15-64)	Elder(>65+)	With disabilities	Below Poverty Line	Total

Impact in Livelihoods (B-5)								
Male	Female	Others	Children(0-14)	Adult(15-64)	Elder(>65+)	With disabilities	Below Poverty Line	Total

Global target C: Reduce direct disaster economic loss in relation to global gross domestic product (GDP) by 2030.

C-1 (compound) Direct economic loss attributed to disasters in relation to global gross domestic product.

C-2 Direct agricultural loss attributed to disasters.

Agriculture is understood to include the crops, livestock, fisheries, apiculture, aquaculture and forest sectors as well as associated facilities and infrastructure.

C-3 Direct economic loss to all other damaged or destroyed productive assets attributed to disasters.

Productive assets would be disaggregated by economic sector; including services, according to standard international classifications. Countries would report against those economic sectors relevant to their economies. This would be described in the associated metadata.

C-4 Direct economic loss in the housing sector attributed to disasters.

Data would be disaggregated according to damaged and destroyed dwellings.

C-5 Direct economic loss resulting from damaged or destroyed critical infrastructure attributed to disasters.

The decision regarding those elements of critical infrastructure to be included in the calculation will be left to the Member States and described in the accompanying metadata. Protective infrastructure and green infrastructure should be included where relevant.

C-6 Direct economic loss to cultural heritage damaged or destroyed attributed to disasters.

Data Required for Filling Target C

Sl No.	Year	Disaster Type

Agricultural Crop Loss (C-2C)			
Economic loss from crops affected	Total Hectares of crops affected	Hectares damaged	Hectares destroyed

Agricultural Livestock Loss (C-2L)			
Total loss of livestock affected	Number of livestock affected or lost	Number of livestock affected	Number of livestock lost

Agricultural Forestry Loss (C-2FO)			
Economic loss from Forests affected	Number of hectares of forests affected	Number of hectares damaged	Number of hectares destroyed

Agricultural Aquaculture Loss (C-2A)			
Total loss from Aquaculture affected	Number of hectares of Aquaculture affected	Number of hectares damaged	Number of hectares destroyed

Agricultural Fisheries Loss (C-2FI)			
Economic loss from Vessels affected	Number of Vessels affected	Number of Vessels damaged	Number of Vessels destroyed

Agricultural Stock Loss (C-2LB)			
Economic loss from agricultural stock loss	Number of Agricultural Stock facilities affected	Number of Stock facilities damaged	Number of Stock facilities destroyed

Agricultural Productive Assets Losses (C-2LA)			
Economic loss from agricultural Productive Assets	Number of agricultural Productive Assets	Number of Productive assets damaged	Number of Productive assets destroyed

Damages and Losses in all other Productive Assets (C-3)			
Economic loss from Productive Assets	Number of Productive assets facilities(C-3A)	Number of Productive assets facilities damaged	Number of Productive assets facilities destroyed

Global target D: Substantially reduce disaster damage to critical infrastructure and disruption of basic services, among them health and educational facilities, including through developing their resilience by 2030

- D-1 (compound)** Damage to critical infrastructure attributed to disasters.
- D-2** Number of destroyed or damaged health facilities attributed to disasters.
- D-3** Number of destroyed or damaged educational facilities attributed to disasters.
- D-4** Number of other destroyed or damaged critical infrastructure units and facilities attributed to disasters.
The decision regarding those elements of critical infrastructure to be included in the calculation will be left to the Member States and described in the accompanying metadata. Protective infrastructure and green infrastructure should be included where relevant.
- D-5 (compound)** Number of disruptions to basic services attributed to disasters.
- D-6** Number of disruptions to educational services attributed to disasters.
- D-7** Number of disruptions to health services attributed to disasters.
- D-8** Number of disruptions to other basic services attributed to disasters.
The decision regarding those elements of basic services to be included in the calculation will be left to the Member States and described in the accompanying metadata.

(Slide No. 13 to 17).

Data Required for Filling Target D

Sl No.	Year	Disaster Type

Housing Sector (C-4)			
Total number of dwellings (From Target B)	Total (Indicator C-4)	Economic value of Houses Damaged	Economic value of Houses Destroyed

Damages and losses in Health Sector (C-5, D-2)			
Economic loss in health sector	Total facilities affected	Number of facilities damaged	Number of facilities destroyed

Damages and losses in Education Sector (C-5, D-3)			
Total loss in Education sector	Total facilities affected	Number of facilities damaged	Number of facilities destroyed

Damages and losses to Other Infrastructure (C-5, D-4)			
Economic loss from affected Infrastructures	Number of other affected infrastructures	Number of damaged infrastructures	Number of destroyed infrastructures

Damages and losses to Cultural Heritage (C-6)						
Cost of rehabilitation / reconstruction of affected fixed assets	Cost of rehabilitation / restoration of movable assets	Loss from destroyed movable assets	Number of Monuments/fixe d assets damaged	Number of Monuments/fixe d assets destroyed	Number of mobile cultural assets damaged	Number of mobile cultural assets destroye d

Cost of rehabilitation / reconstruction of affected fixed assets	Cost of rehabilitation / restoration of movable assets	Loss from destroyed movable assets	Number of Monuments/fixe d assets damaged	Number of Monuments/fixe d assets destroyed	Number of mobile cultural assets damaged	Number of mobile cultural assets destroye d
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Disruptions to Basic Services (D-6)												
Health	Education	Transportation	Power and Energy	Communications	Water_supply	Relief	sewerage	Agriculture Food	Industrial Services	Public Administration Service	solid_Waste_Service	Other services

Health	Education	Transportation	Power and Energy	Communications	Water_supply	Relief	sewerage	Agriculture Food	Industrial Services	Public Administration Service	solid_Waste_Service	Other services
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Conclusion

Status of training program: Completed
No. of Districts Training Conducted = 14
No. of Districts Training uncovered = 0

Suggestions from attendees:

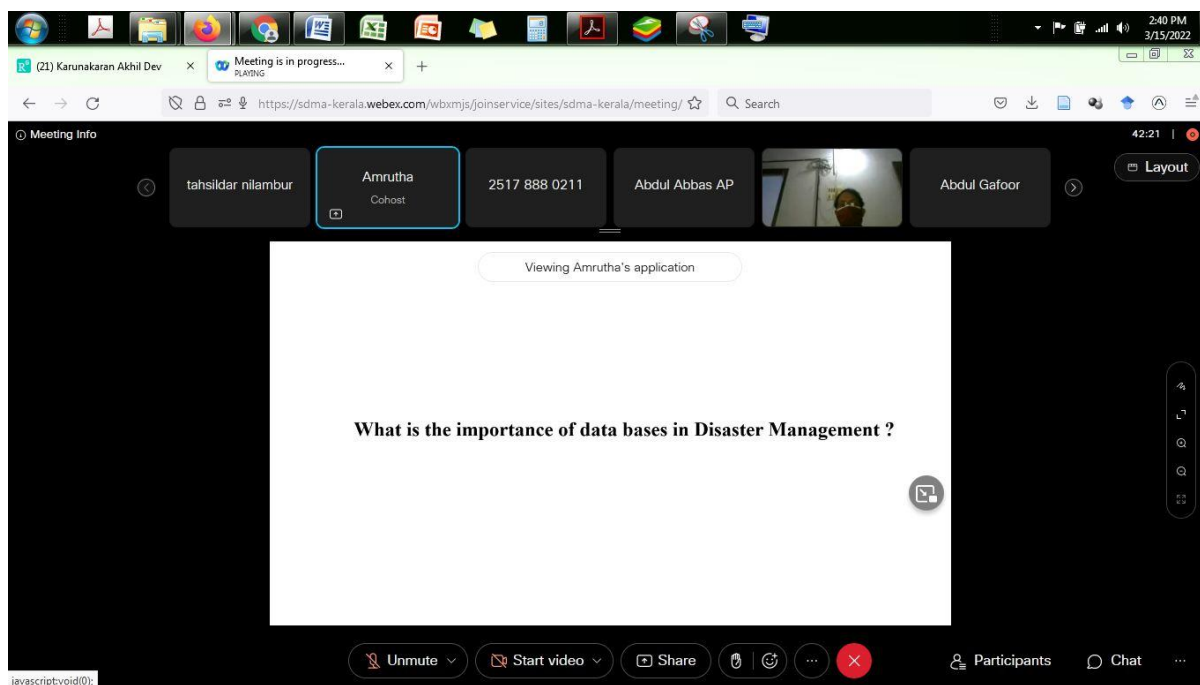
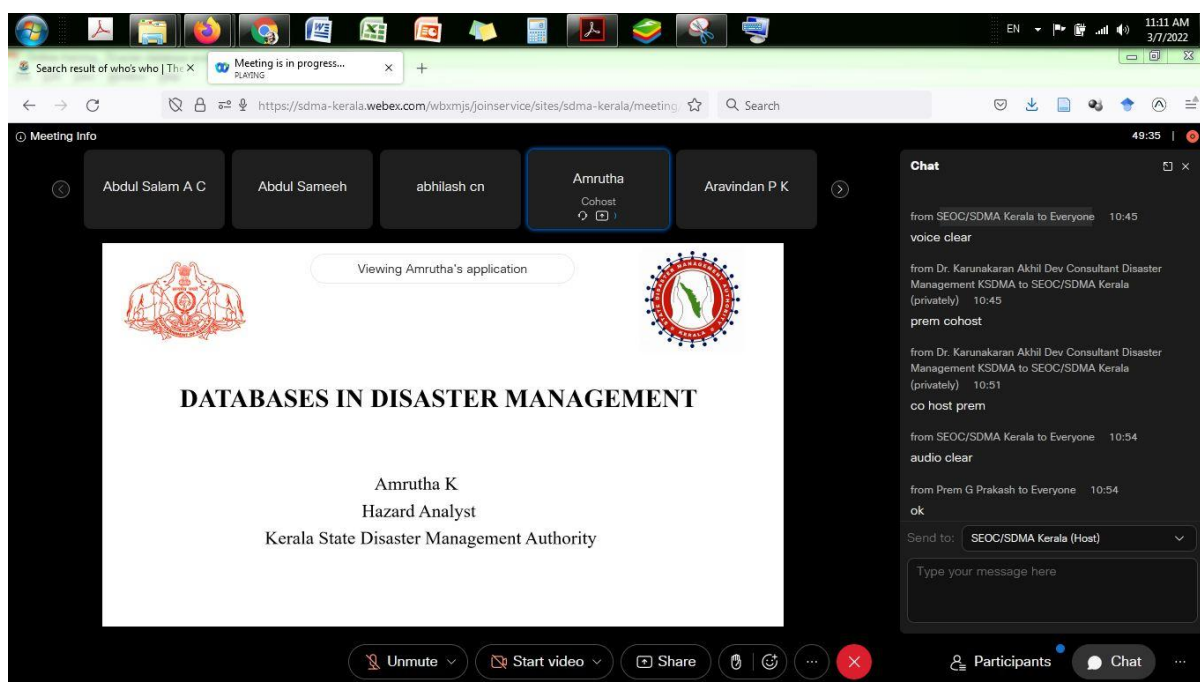
A physical (Face to Face Hands-on Interaction) training could be provided for Village Officials or Taluk Officials as per the responses by attendees.

Provision of a working manual (SDRF and Database) for all VO's and Revenue Staff for ease operation during database usage and SDRF assistance provisions to locals.

SL.No	Districts	Total Attendees
1	Kasargod	162
2	Kannur	224
3	Kozhikode	76
4	Malappuram	140
5	Ernakulam	57
6	Pathanamthitta	148
7	Thrissur	147
8	Wayanad	84
9	Alapuzha	148
10	Iddukki	132
11	Kollam	37
12	Palakkad	31
13	Thiruvananthapuram	46
14	Kottayam	154

The program was successfully rendered to the target audience as per the background of the training program initiated by the decisions revenue secretariat, Government of Kerala, Kerala State Emergency Operation Center Resource Persons has taken-up the sessions of the Kerala State Disaster Management Authority.

Snapshots of Training



Meeting is in progress... PLAYING

https://sdma-kerala.webex.com/wbxmjs/joinservice/sites/sdma-kerala/meeting

Meeting Info

25121680397 Abdul Kader P Abcd 2512 168 0397 Abdurahiman k

Layout

Participants (126)

Search

Dr. Karunak... Cohost, me

SEOC/SD... Host

Amrutha Cohost

Chandini P ... Cohost

2512 168 ...

25121680...

Abcd

Abdul Kad...

Mute All Unmute All

Unmute Start video Share

Daily natural calamity report

Viewing Amrutha's application

Flood heavy rain fall report
(As on xx-xx-xxxx at x:xx PM hrs.)

Name of State/UT: KERALA

	Till date	During last 24 hours
i. Rainfall		
ii. No. of districts affected with name		
iii. No. of villages affected		
iv. People affected		
v. Houses down last (district name)		
vi. No. of deaths		
vii. No. of injured		
viii. Houses damaged	Fully: Partially: Fully: Partially:	Fully: Partially: Fully: Partially:
ix. Animal deaths		
x. No. of persons evacuated		
xi. No. of relief camp opened		
xii. Inmates in the relief camps		
xiii. No. of active relief camps		
xiv. Inmates in the relief camps		
xv. Relief material distributed		
xvi. Total crop area affected (in hectares)		
xvii. Infrastructure Damage		

Assistance provided by Government of India:

i. INDRF	
ii. Air Force, Navy & Army	
iii. Other Central Government Agencies/Department	

Search result of who's who | The X Meeting is in progress... PLAYING

https://sdma-kerala.webex.com/wbxmjs/joinservice/sites/sdma-kerala/meeting

Meeting Info

Chandini P C Senan Prem Prakash Abdul Salam A C abhilash cn Abdul Sameeh

Layout

Participants (84)

Search

Dr. Karunak... Cohost, me

SEOC/SD... Host

Chandini P ... Cohost

Amrutha Cohost

Abdul Sala...

Abdul Sam...

abhilash cn

Aravindan ...

Mute All Unmute All

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Viewing Chandini P C Senan's application

State Disaster Risk Management Fund (SDRMF)

Meeting is in progress... PLAYING

https://sdma-kerala.webex.com/join/service/sites/sdma-kerala/meeting/

Meeting Info

Chandini P C Senan (Cohost)

Prem Prakash

Abdul Salam A C

abilash cn

Abdul Sameeh

Layout

Participants (84)

Search

DK Dr. Karunak... (Cohost, me)

SEOC/SDM... (Host)

Chandini P... (Cohost)

Amrutha (Cohost)

AC Abdul Sala...

AS Abdul Sam...

AC abhilash cn

AK Aravindan ...

Mute All Unmute All

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Participants Chat

Viewing Chandini P C Senan's application

SDRF Response and Relief 40 %

SDMF 20%

SDRMF

SDRF Recovery and Reconstruction 30%

SDRF Preparedness and Capacity Building 10%

The funding windows of SDRF and SDMF are not inter-changeable.
Flexibility for re-allocation within the three sub-windows of SDRF.

Meeting is in progress... PLAYING

Attendance - Feedback - Disast...

https://sdma-kerala.webex.com/join/service/sites/sdma-kerala/meeting/

Meeting Info

Chandini (Cohost)

2517 888 0211

Abdul Abbas AP

Abdul nasar.k

Abdul Gafoor

Layout

Participants (61)

Search

DK Dr. Karunak... (Cohost, me)

SEOC/SDM... (Host)

Chandini (Cohost)

20 2517 888 0...

AA Abdul Abba...

AG Abdul Gafoor

AN Abdul nasar.k

A ajithkumar

Mute All Unmute All

Unmute Start video Share

Participants Chat

Viewing Chandini's application

നിലവിലെ സാമ്പത്തിക വർഷം	സാമ്പത്തിക വർഷം പ്രകാരം മൊത്തം (SDRF)	മുഖ്യ മന്ത്രിയുടെ റ്റർജ്ജ് (MDRF)	ആകെ
75-100% മൊത്തം	1,01,900	2,98,100	4,00,000
75-100% സാമ്പത്തിക	95,100	3,04,900	4,00,000
60-74% മൊത്തം	76,500	1,73,500	2,50,000
60-74% സാമ്പത്തിക	71,000	1,79,000	2,50,000
30-59% മൊത്തം	51,000	74,000	1,25,000
30-59% സാമ്പത്തിക	47,500	77,500	1,25,000
16-29% മൊത്തം	30,500	29,500	60,000
16-29% സാമ്പത്തിക	28,500	31,500	60,000
15%	5,200	4,800	10,000

പ്രകൃതിക്ഷോഭത്തിൽ വീഴ്ച സാധാരണ നഷ്ടപ്പെട്ട സ്ഥലത്ത് വീട് നിർമ്മിക്കുവാൻ സാധിക്കും

1----- End of the Report -----!