State Disaster Resource Network

Courtesy by

Gujarat State Disaster Management Authority

Editorial Team

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BACKGROUND

GSDMA has initiated Disaster Risk Management (DRM) Programme in 11 most hazard prone districts of the state in first phase as a part of Nationwide DRM programme formulated by Ministry of Home Affairs GOI & UNDP.

It aims at strengthening the community, local self government and the state administration in their preparation to face disasters. The programme envisages disaster management planning at all the levels involving resources, hazard risk & response mechanism.

In order to achieve this objective, disaster preparedness and response plans are being formulated at all levels, the capacity of response groups and disaster management committees are being developed at all levels through orientation, training and awareness raising campaigns.

The activities under DRM include preparing for disasters and capacity building of stakeholders for better preparedness and response.

All the effort are aimed at building a self reliant society with reduced vulnerabilities to natural and man-made disasters through a societal habit of preparedness.

It has been observed that a comprehensive Database of Disaster Management related inventory is very essential for an organised response in case of a Disaster.

More often than not, lack of proper & adequate information has hampered swift and measured response resulting in delay which could be critical in such eventualities.

Therefore, need to prepare a database of such resources, from village to state level was strongly felt, and SDRN is an initiative to meet this necessity.

The information is collected through Village Disaster Management Plan (VDMP) format at Village level can collated through SDRN at Taluka level with Taluka level secondary data to produce the Taluka Disaster Management Plan (TDMP). These TDMPs would be aggregated to form a District Disaster Management Plan (DDMP). This centralized database system, SDRN and collects, stores and processes resource information and produces query based reports on:

- **Resources available**
- **Vulnerable elements at risk**
- **Emergency contacts**
- **Disaster history**
- **Hazard profile**

SDRN allows the creation and updating of the village, taluka, districts and State Disaster Management Plans at regular interval once the data has been collected at the Village level, entered into the SDRN system at the Taluka level and aggregated with secondary data pertaining to the specific Taluka or District. This system presents many advantages such as the easy availability of plans at all levels, minimum duplication, time saving and finally the visual data reports generation that assists in gap analysis and resource mobilization.

State Disaster Resource Network ver1.0

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Information flow | FAQs

Authorized Users

Username :-
maliya

Password :-

[Login] [Cancel]

Village Level
Data Collection Format (English)
Data Collection Format (Gujarati)
Disaster management Modal Plan

Taluka Level
Data Collection Format (English)
Data Collection Format (Gujarati)
Disaster management Modal Plan

District Level
Data Collection Format (English)
Data Collection Format (Gujarati)
Disaster management Modal Plan

State Level
Data Collection Format (English)

ગુજરાત રાજ્ય ડીઝાસ્ટર મેનેજમેન્ટ ઓથોરીટીની રચના પુનઃવસન માટે તો ખરી જ પણ તેથી પણ વિશેષ ગુજરાત રાજ્યને આફતો સામે સક્ષમ બનાવવા માટે થઈ છે.

જી.એસ.ડી.એમ.એ. હવે પુનઃવસનની કામગીરી બાદ યુ.એન.ડી.પી.ના સહયોગથી આફતો સામે પૂર્વ તૈયારી માટે પોતાનું ધ્યાન કેન્દ્રીત કર્યું છે. આ આપત્તિ જોખમ વ્યવસ્થાપન કાર્યક્રમ હેઠળ હાથ ધરાઈ છે.
આ કાર્યક્રમમાં ગુજરાત રાજ્યના ૧૧ જિલ્લા જ્યાં સૌથી વધુ આફતો આવવાની શક્યતા રહેલ છે. ત્યાં કામગીરી ચાલુ થઈ છે.

આ કાર્યક્રમથી નીચલા સ્તરેથી એટલે કે ગ્રામ્ય સ્તરથી ઉપલા સ્તર સુધી એટલે કે ગ્રામ્ય સ્તરથી ઉપલા સ્તર સુધી એટલે કે રાજ્ય સ્તર સુધી આયોજન થશે. જેમાં લોકોની ભાગીદારીથી આફત વ્યવસ્થાપનનું આયોજન થશે.

૧૧ જિલ્લાના ૧૦૦થી વધારે તાલુકાના અને ૩૦૦૦થી વધારે ગામોને આ કાર્યક્રમ હેઠળ આવરી લેવામાં આવ્યા છે. દરેક ગ્રામ આપત્તિ વ્યવસ્થાપન પ્લાન અને કોમ્પ્યુટર મારફત તાલુકા અંગેની માહિતી દ્વારા તાલુકા આપત્તિ વ્યવસ્થાપન પ્લાન બનાવવામાં આવશે. આ માટે દરેક ગામની માહિતી તાલુકા સ્તરે કોમ્પ્યુટરમાં દાખલ કરવામાં આવશે. ગુજરાત સરકારનું નેટવર્ક કે જેને ગુજરાત સ્ટેટ વાઈડ એરીયા નેટવર્ક તરીકે ઓળખવામાં આવે છે તેનો ઉપયોગ કરીને માહિતી એકત્રિત કરવામાં આવશે.
સ્ટેટ ડીઝાસ્ટર રીસોર્સ નેટવર્ક (એસ.ડી.આર.એન.) ના ઉપયોગથી નીચે દર્શાવેલ વિભાગો માટે રીપોર્ટ લેવા માટે થશે.

૧. આપત્તિના સાધનો
૨. જોખમ ધરાવતા નબળા ઘટકો
૩. આફતોનો ઇતિહાસ
૪. ઉપલબ્ધ સ્ત્રોત
૫. તાત્કાલિક સંપર્ક

Screen Shot of State Disaster Resource Network application

KEY FEATURES

- Hazards Faced with intensities
- Data on Vulnerable Elements
- Information on Past Disasters
- Sector wise detailed Information
- Complete Resource Inventory
- Task Force and Disaster Management Committees at various administrative levels with their emergency contact nos.

UNIQUE FEATURES

- **Secured access**
  - Available only on the Gujarat State Wide Area Network [GSWAN], state owned intranet governed by S & T Department of GOG.
  - Authentication and permission for official users at various levels

- **Bi-lingual functionality**
  - SDRN is available in two versions, English and Gujarati, with a common database

- **Unique key: Census-2001 location codes**
  - This helps in integrating SDRN with other databases
  - It is compatible to IDRN [India Disaster Resource Network]

- **Data management**
  - Decentralized data entry [(Block) Taluka/District]
  - Centralized data processing [State]
  - Data entry status indicators
  - Generation of query based reports
    - Predefined
    - User defined
  - Multiple data source support
  - Query mode
    - Administrative unit wise
    - Sector wise

- Provision for linkage with available GIS platforms and 'Pragati', a low cost GIS (Geographic Information System) software package developed by Bhaskaracharya Institute for Space Applications and Geo-

-informatics (BISAG)

- **Off-line package of SDRN Database**
  - Stand alone application of 'Disaster resource inventory viewer' is being Developed and will be provided to all relevant Govt. offices for seamless information flow at time of emergency

ACHIEVEMENTS

- Major districts & Block(Taluka) officials are trained on SDRN

- Trainings have been also imparted to different hierarchy of Govt officials via Govt Training Institute like Sardar Patel Institute of Public Administration

- For 18253 i.e. 98% village level information has been entered into the system.

- Taluka level data entry has been started.

DATA CHECKING & RECTIFICATION

The following fields needs to be thoroughly checked:

- Male, Female Population

- Literacy Rate

- Health infrastructure, facilities and manpower

- Communication infrastructure, facilities

- Search and rescue equipments

- Contact details (District / Taluka / DMTs)

Steps taken for Rectification of data

- Village wise datasheets for Sectors like Demography, Health, Education & Communication have been checked for invalid data and

has been e-mailed to respective Districts.

- GoG officials and DRM Staff are being trained to correct data on the above basis.

- In district / Taluka Orientation meetings importance has been shown on data correction

OUTCOMES

- Making the process computerized will minimize human errors, avoid duplications, save time and other useful resources and speed up the process.

- Making system online will help in "Enter Once And See Anywhere" scenario.

- The Disaster Plans of village, (block) taluka, district will be easily available.

- Disaster prone areas can be easily identified and resource inventory of each and every village, (block) taluka, district can be easily available.

- The Visual, Data Report will help in decision support system, gap analysis and help in resource mobilization.
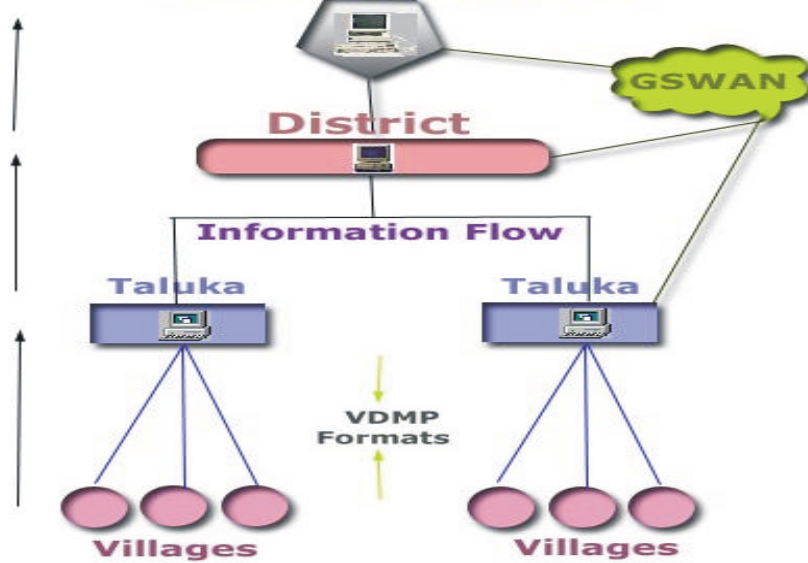
INFORMATION FLOW

The data at the village level would be collected in the standard **Village Disaster Management Plan** data collection format. The data would be entered in computer at the each taluka via GSWAN. The Village level committee would approve VDMP's in the Gram Sabha.

The aggregated data, and the Other specific data which could be only gathered at taluka would be entered to SDRN system to develop **Taluka Disaster Management Plan.**

Similarly the aggregated and analytical data would be processed pertaining that district to develop **District Disaster Management Plan.**
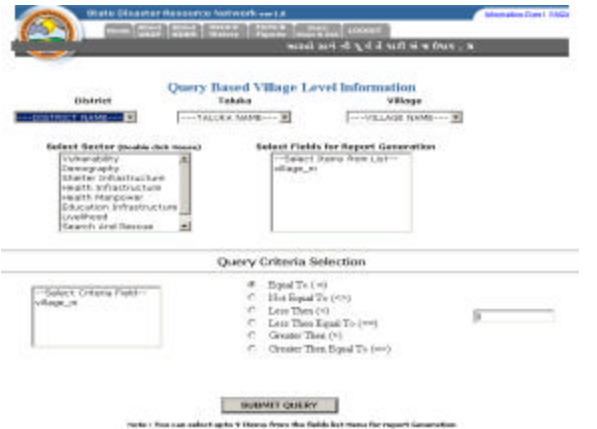
REPORT GENERATION

Informatuon flow

Taluka Level Static Report

Query based Dynamic Report

VDMP Report

TDMP Report

District Code	20
Civic Body Code	VP
Taluka Code	002
Village Code	200020151200000

Data from Department of Economic & Statistics

Village Name : Naghatpor   Taluka Name :   NANDOD   District Name :   NARMADA

I. Demographics		
A Population		**Number**
A1	Total population	1800
A2	Male population	925
A3	Female population	875
A4	Number Of Male Literate	483
A5	Number Of Female Literate	186

II Infrastructure Facility			
B	**Hospital**	**Nearest Distance (km)**	**Having own building**
B1.1	Govt./Panchayat Hospitals	10	NA
B1.2	Private Hospitals	10	NA
B1.3	Community Health Centers	38	NA
B1.4	Public Health Centers	6	--
B1.5	S Health Centers	0	Yes--
B1.6	Govt./Panchayat Dispensary	10	NA
B1.7	Private Dispensary	10	NA
B1.8	Maternity Home	37	NA
B1.9	Veterinary Hospital	7	NA
B1.10	Primary Veterinary Dispensary	7	NA
B1.11	Whether Veterinary Doctor Visits The Village?	Yes	
B2	**Manpower**	**Yes /No**	
B2.1	Availability Of Resident Allopathic Doctor	No	
B2.2	Availability Of Visiting Allopathic Doctor	No	
B2.3	Availability Of Resident Ayurvedic Doctor	No	
B2.4	Availability Of Visiting Ayurvedic Doctor	No	
B2.5	Availability Of Resident Homeopathic Doctor	No	
B2.6	Availability Of Visiting Homeopathic Doctor	No	
B2.7	Availability Of Resident Trained Midwife	Yes	
B2.8	Availability Of Visiting Trained Midwife	Yes	

Department of Economic & Studies Report

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District Name :	NAVSARI
Taluka Name :	NAVSARI

Health Infrastructure & Facility

# Sr. No.	Village Name	Hosp	CHC	PHC	SC	VH	OPD Facility	X-Ray Facility	Surgery Equip.	Patho. Lab.	Ambu. Facility
1	Adada	0	0	0	0	0	0	0	0	0	0
2	Amadpor	0	0	0	0	0	0	0	0	0	0
3	Ambada	0	1	0	0	0	1	0	4	1	1
4	Amri	0	0	0	1	1	0	0	0	0	0
5	Ashtagam	0	0	0	1	0	0	0	0	0	0
6	Asundar	0	0	0	0	0	0	0	0	0	0
7	Bhattai	0	0	0	0	0	0	0	0	0	0
8	Bhula Faliya	0	1	1	0	1	1	0	0	0	1
9	Bhunwadi	0	0	0	0	0	0	0	0	0	0
10	Boriach	0	0	0	0	0	0	0	0	0	0
11	Butlav	0	0	0	0	0	0	0	0	0	0
12	Chandravasan Supa	0	0	0	0	1	0	0	0	0	0
13	Chhapra	0	0	0	0	0	0	0	0	0	0
14	Chovisi	0	0	0	1	0	0	0	0	0	0
15	Dabhalai	0	0	0	0	0	0	0	0	0	0
16	Dandesar	0	0	0	0	0	0	0	0	0	0
17	Dantej	0	0	0	0	0	0	0	0	0	0
18	Dhaman	0	0	0	1	0	0	0	0	0	0
19	Dharagiri	0	0	0	0	0	0	0	0	0	0
20	Italva	0	0	0	1	0	0	0	0	0	0
21	Jamalpor	0	0	0	0	0	0	0	0	0	0
22	Kabilpor	0	0	0	0	0	0	0	0	0	0
23	Kachhol	0	0	0	0	0	0	0	0	0	0
24	Kadipor	0	0	0	1	1	0	0	0	0	0
25	Kaliawadi	0	0	0	0	0	0	0	0	0	0
26	Kambada	0	0	0	0	0	0	0	0	0	0

Health Infra. Report

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Offline Viewer Entry Screen

Village ID:-	24005018101 0000

Village Disaster mangement Plan

Village Name	Ambabari
Gram Panchayat	AMBABARI
Taluka	BANSDA
District	NAVSARI
Name/ No. of Vandh/ Falia/ Petapara, etc	

NISHADFALIA, UPALUFALIA, NICHALU FALIA, HIGH SCHOOL FALIA, NIGAMFALIA, NAVI VASAHAT FALIA

Type of Hazard	Intensity [H,L,M]	Last Occurance [mm/yy]
Earthquake	L	1/2001
Flood	0	0/0
Cyclone	L	7/1993
Storm Serge	0	0/0
Chemical	0	0/0

Abbrevation :-	H - High	M - Medium	L - Low	NA - Not Available

Confirmation Date [by Gram Panchayat]	04/09/2003

Village Level: VDMP Report

Taluka Disaster Management Plan : Maliya Taluka
Resource Mapping : Health (Manpower)

Taluka Disaster Management Plan : Maliya Taluka
Vulnerability Mapping : Demography
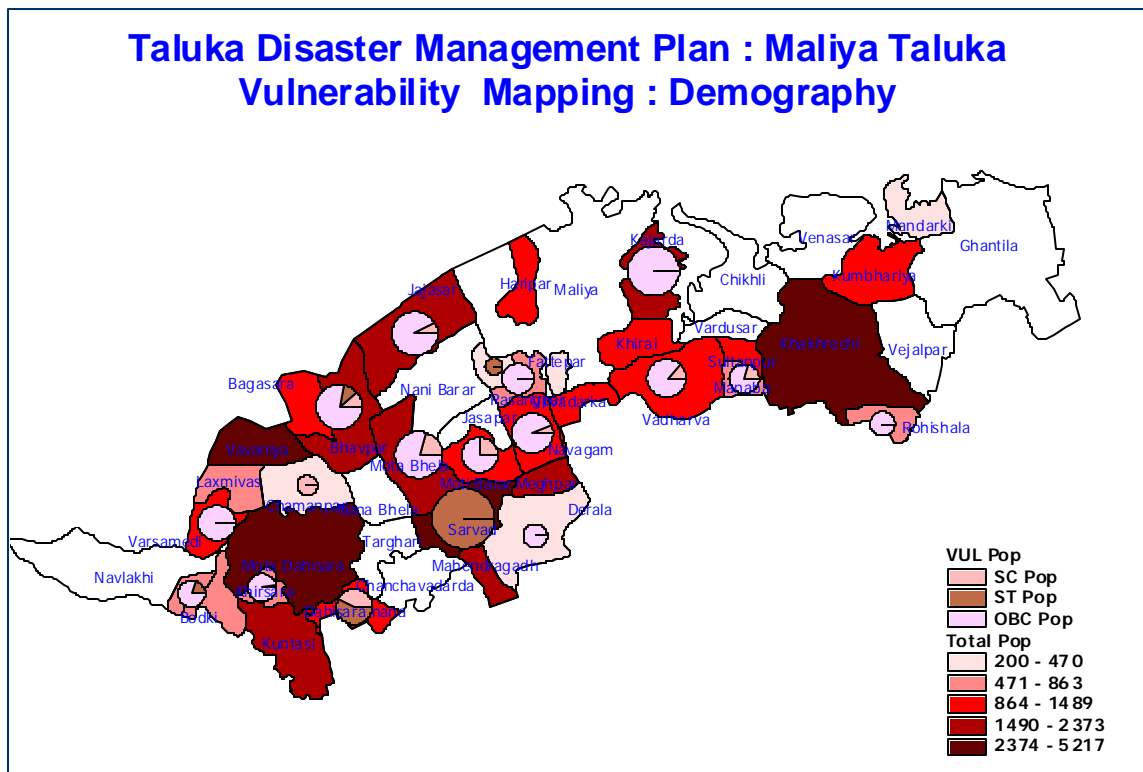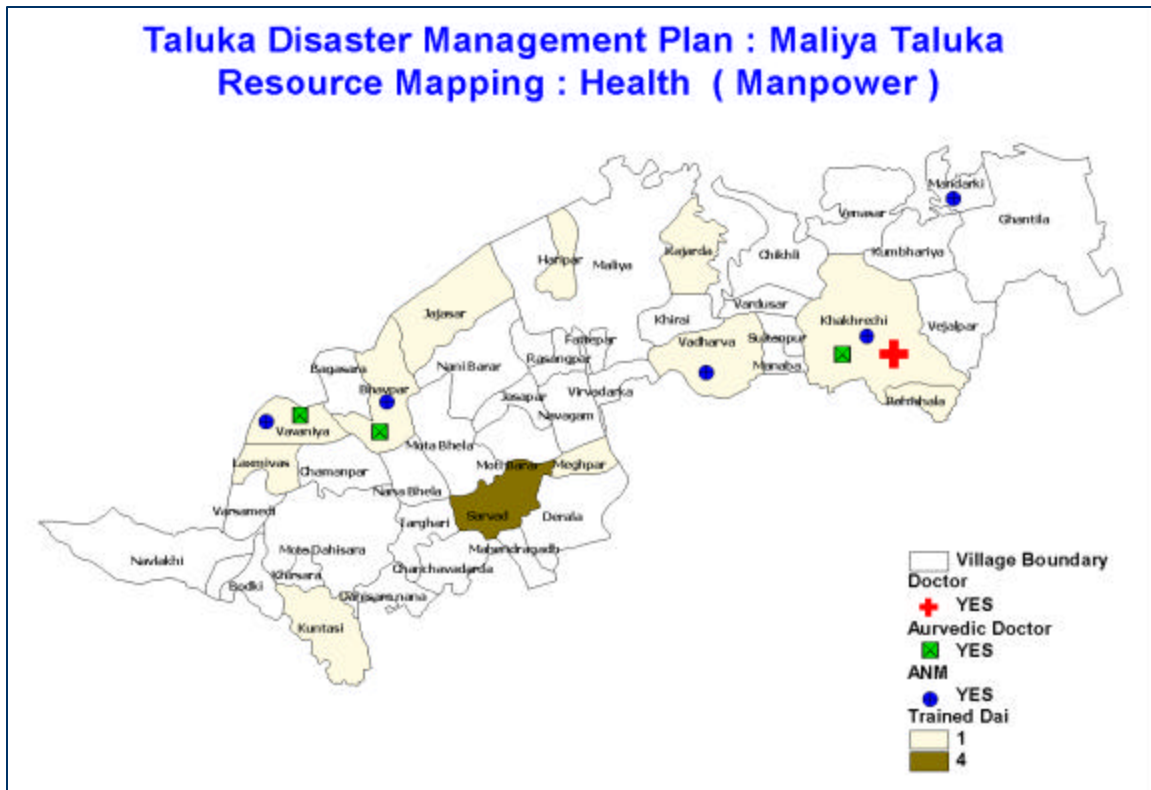
INDIAN DISASTER RESOURCE NETWORK (IDRN)

The Indian sub-continent has suffered enormous loss of lives, livelihoods and damage of public property due to its extreme vulnerabilities to natural cllamities. Administrative authorities have faced problems in mobilizing equipments and skilled human resources to respond immediately to emergencies. There is an urgent need of complied information of all available resources stored in a centralized database. To address this, Ministry of Home Affairs, GOI has launched IDRN as a national initiative under DRM Programme which is a web portal for collection and compilation of resource inventory for quick mobilization.

- To collect and collate information on 226 critical resources available in the country for emergency response.

- To enhance the decision making capabilities of Govt. functionaries in quick response to emergencies.

- A web based platform to share information on availability of equipments, skilled human resources, critical supplies, location and agency details through out the country.

- IDRN will be accessible by the Emergency Officers, District Collectors, Relief Commissioners and other disaster managers at various levels of Government.

http://www.idrn.gov.in

KEY FEATURES (IDRN)

- Decentralized inventory management: authorized data collection and entry, updating and control by District authorities.

- It allows queries for planning and decision making on mobilization of equipments, human resources and critical supplies.

- Database with multiple query options based on

- Activity, category, item and state, district for the country.

- Equipment & location.

- Critical supplies & location.

- Human resources & location.

- Item name & Item code.

- Authorized access protected by password.

STATE WISE IDRN DATA ENTRY
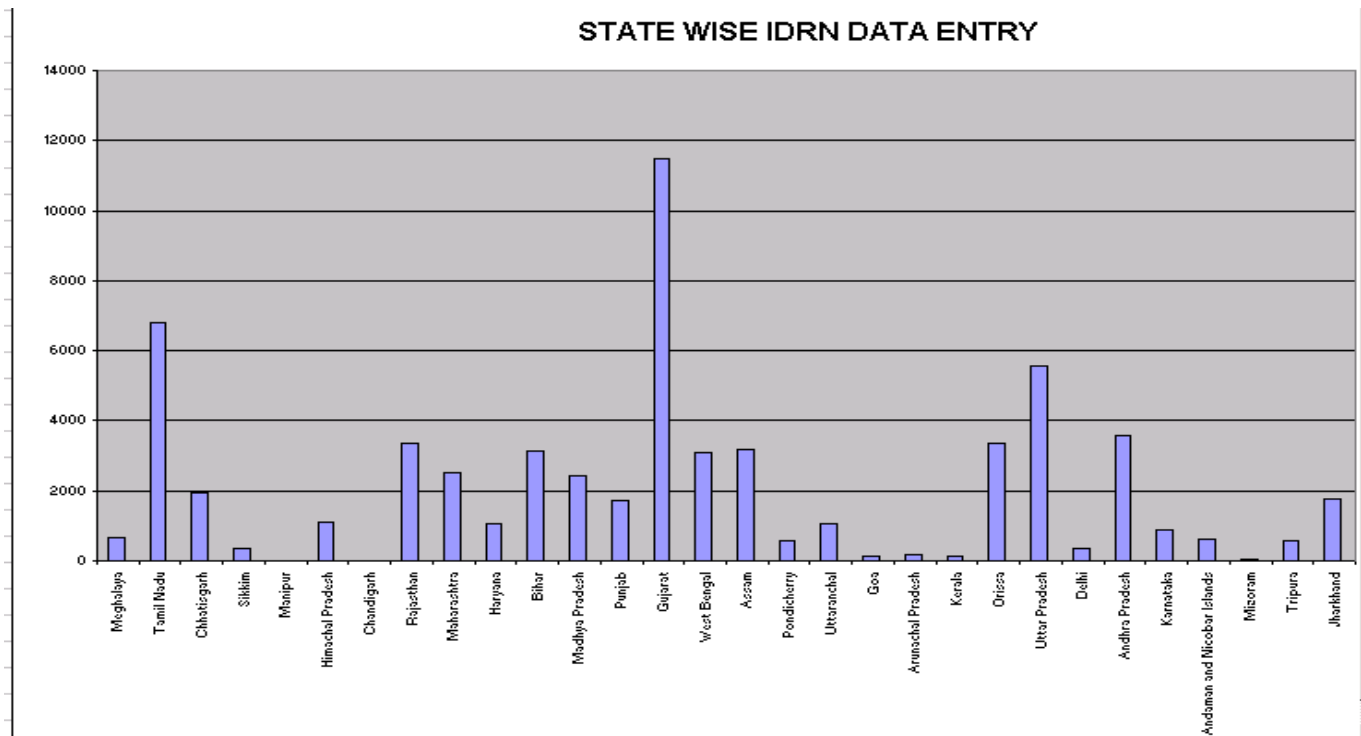
IDRN

- 226 Critical Resources
- District is the unit of data collection
- Nationwide Accessibility to all govt officials Via Internet
- Query based Reports searchable starting from districts to different States of India

SDRN

- Village – State level Resources + DMP Resources
- Village is the unit of data collection
- Statewide Accessibility to all govt officials via GSWAN
- Query based Reports searchable starting from village to different districts of Gujarat

You can mitigate but not stop disasters so Prevention & Preparedness is better than Cure & Response

Web Corner

Indian Disaster Resource Network
http://www.idrn.gov.in

SDRN is hosted on GSWAN on following URL:

for English version
http://10.24.36.189/sdrn or
http://10.24.36.1/sdrn

for Gujarati version
http://10.24.36.189/sdrnguj or
http://10.24.36.1/sdrnguj

National Disaster Management Division
http://www.ndmindia.nic.in

Please look out for this section for URLs of Government websites

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