

M-Disaster Management

Collector Office,
Kolhapur

M-Disaster Management

Innovative use of ICT to effectively Implement Disaster Management Practices

Correct Information in right time is the KEY to effective control on Disaster especially thousands of people are affected

Mobile is a common tool in India, in rural as well as urban area

Mobile are cheap, affordable and almost every house has a mobile phone

SMS: effective tool to send message in quick time and also at cheapest rate

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Disaster Management & Kolhapur District

Kolhapur district has faced sever floods in the year 2005 & 2006

Severity of flood was less 2007 & 2008.

Flash floods and heavy rainfall in short time was faced by the district in year 2007-08

Year 2010 Flood Situation In Kolhapur District



Radhanagari Dams Seven Door's opened

























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Disaster Management & Kolhapur District

Vulnerability assessment-
Flood prone villages and flood prone rivers

Flood prone Rivers and Dams in the district

Main rivers in Kolhapur District are Krishna, Panchganga, Warana, Dudhganga, Vedganga, Hiranyakeshi, Ghatprabha, Tamraparni, Bhogawati and Tulshi.

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Disaster Management & Kolhapur District

Flood prone villages in the district

1 Shirol	35
2 Hatakanangle	20
3 Karveer	23
4 kagal	11
5 Radhanagri	11
6 Gaganbavada	07
7 Panhala	12
8 Shahuvadi	04
9 Bhudargad	06
Total	129

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Disaster Management & Kolhapur District

Main causes of Flood-

Following are the main causes of flooding

“ Heavy rainfall in short period- This has been observed in last 3 years that districts has received heavy rainfall in very short period in the district. This result in the flood situation in district.

“ Encroachment in blue zone, river basin's, Nallas, etc.- In district we have found that encroachments has been made in the basin of nallahs, flood line, etc. Also the natural water resources are full with silt and is needs desilting.

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Action Plan using M-Disaster Management

Group Formation

Formation of village level groups of affected areas

The groups are inclusive of following entities:

- ** Concerned Government offices and officials, such as PWD, Irrigation, Police, Sarpanch etc
 - ** Media personnel
 - ** NGOs, self activists, volunteers
 - ** Support groups and common citizens
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Village : Nursinhwadi

Taluka : Shirol

District : Kolhapur

A) Pre-Warning Group

Sr. No.	Name	Contact No.
1	Mr. Dattatray Ananda Shinde	9865543667
2	Mr. Anant Balkrishna Dhanawade	9927064089
3	Mr Shrikant Appaso Mangawe	9822270405
4	Mr. Vikas Digamber Pujari	9254270309

B) Search & Rescue Group

Sr. No.	Name	Contact No.
1	Mr. Santosh Dinkar Dhanawade	9865543667
2	Mr. Abhijit Narayan Jagdale	9927064089
3	Mr. Tanaji Dadu Nikam	9822270405
4	Mr. Vishal Dattatray Shinde	9254270309

Village : Nursinhwadi

Taluka : Shirol

District : Kolhapur

C) First Aid Group

Sr. No.	Name	Contact No.
1	Mr. Kiran Vidyadhar Aanuje	9762431902
2	Mr. Mukund Waman Pujari	9242706643
3	Mr. Dinesh Damaji Fadnis	8002700874
4	Mr. Salim Babalal Shekh	9452709635
5	Mr. Shashikant Kalyan Bandpujari	9822767129

D) Temporary Shelter Group

Sr. No.	Name	Contact No.
1	Mr. Viabhav Kalu Pujari	9462705012
2	Mr. Pramod Narayan Kadupujari	9972701183
3	Mr. Digamber Shnkar Pujari	9876702014
4	Mr. Mukund Ganpatrao Khochare	9682701095
5	Mr Mukund Sakharam Pujari	7706270054

Village : Nursinhwadi

Taluka : Shirol

District : Kolhapur

E) Drinking water & Sanitation Group

Sr. No.	Name	Contact No.
1	Mr. Parshram Dattu Gawandi	9865543667
2	Mr. Murlidhar Dattatray Gawali	9927064089
3	Mr Tanaji Ganpati Kadam	9822270405
4	Mr. Digamber Narhari Pujari	9254270309
5	Mr. Anil Pandit Shirtikar	9967270071

Village : Nursinhwadi

Taluka : Shirol

District : Kolhapur

Sr. No.	Name	Designation	Contact No.
1	Dhairyashil Mane	Z.P.Member	9421865555
2	Dhanaji Jagdale	Sarpanch	9822549371
3	Dattatry Shinde	Deputy Sarpanch	9850508445
4	Pravin Balaso Todkar	Talati	9881189753
5	A.R.Virkar	Gram Sevak	9860840970
6	Nabiso Babaso Patel	Police Patil	9850797919
7	Subhash Nema Danvade	Krushis Sahaik	8087309924
8	Suman Balaso Chougale	Health Worker - Women	9881669940
9	K.Y.Mayane	Irrigation	9673695010
10	K.B.Mallyali	Animal Husbandary	9822475213

Sr. No.	Name	Designation	Contact No.
11	Prakash Baburao Dhanawade	Chairman, Vikas Society	9850927408
12	Arun Mahadev Gavade	Boatman	9850784522
13	Rajgonda Patil	Food Grain Salesman	9822652512
14	Sou.Vijaya Vijaykumar Patil	Head Master	9423272732
15	Bhimarav Dinkar Chavan	Thane Amaldar	9881814498
16	Tanaji Dadu Nikam	Social Worker	9561683411
17	Vishal Dattatray Shinde	Swimmer	9923378300
18	Sameer Abdulrashid Patel	Swimmer	9922809252
19	Raindra Ningappa Mane	Swimmer	9764202343

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Action Plan using M-Disaster Management

Defining Templates

Defining and storing standard operating procedures and standard messages as per the severity and type of disaster

Standard response message templates

Standard protective message templates

पूर्वसूचना संदेश प्रणाली

- पुढील २४ तासामध्ये पावसाचे प्रमाण वाढण्याची शक्यता असलेने, नदीकडेवरील गाव/वस्ती यांनी सतर्क रहावे.
- कोयना/वारणा धरणातील विसर्ग... ..व्युसेक्स चालू झाला असल्याने पुढील
 - ४ तासानंतर
 - ८ तासानंतर
 - १६ तासानंतर या नदीलगतच्या गावातील पाण्याची पातळी वाढणार असल्याने सतर्क रहावे.
- राष्ट्रीय महामार्ग/राज्य महामार्गावर... .. दरड कोसळल्याने वहातुक मार्गे वळविण्यात आलेली आहे, याची नोंद घ्यावी.
-या रस्त्यावर/पुलावर पुराचे पाणी आले असल्याने, या पाण्यामधून गावकरी/शाळकरी मुले यांची चालु वाहतुक त्वरीत थांबविणेत यावी.

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Action Plan using M-Disaster Management

Scheduled Messages

Scheduling the messages for the standard periodic activities

Such as servicing and periodic maintenance of the equipments used in disaster

Periodic Alerts for the groups for periodic training and operational drills

Periodic maintenance alerts

Information to be peculated by various departments such as Animal Husbandry department informing the fodder, medicines etc.

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Advantages

Effective Use of Information

It provides the easy facility to send the important, vital message, alert to the affected in shortest span of time

The information of the affected groups are systematically stored avoiding the havoc and rumors

All the concerned government agencies and volunteers are alerted well in advance to take appropriate action in time

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Advantages

Time

Information becomes alert if provided in time.

The system certainly saves time by single click and thousands of people from different areas can be informed the same content in few minutes

Information in time can save the life and damage of wealth and property

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Advantages

Authentication

Since the information is send with particular authenticated identification name (Such “DM-KOP” meaning district magistrate kolhapur), rumors can be avoided and authenticated information is guaranteed making common man and the concerned government agencies take appropriate actions

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Advantages

Cost Effective

SMS is the cheapest way of communication, taking shortest of time and confirmation of the delivery

Imagine to send a message to 100 people by 100 phone calls, and one SMS send to 100 people, there is certain difference and SMS has all advantage over phone call in terms of saving time, efficient, assured message delivery, and low cost

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A MEDIUM OF SYSTEMATIC COMMUNICATED TO SAVE THE
TIME, EFFICIENT USE OF TECHNOLOGY TO ALERT THE
AFFECTED PEOPLE TO REDUCE THE DAMAGE

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PRESENTATION BY

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COLLECTOR, KOLHAPUR
