

## Monsoon Preparedness- 2009

### Check List

#### 1. 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.

##### ❖ Major Dams

Sr. No.	Name of the river	Name of Dam	Taluka	Capacity (T.M.C.)
1	Bhogawati	Radhanagari	Radhanagari	8.36
2	Dudhganga	Kalammawadi	Radhanagari	25.39
3	Warana	Warana	Shahuwadi	34.39
4	Tulshi	Tulshi	Radhanagari	3.47
5	Kumbhi	Kumbhi	GaganBavada	2.71
6	Kadavi	Kadavi	Shahuwadi	2.51
7	Vedganga	Patgaon	Bhudargad	3.71

##### ❖ Flood prone villages in the district

Sr. no.	Taluka	<u>Villages</u>
1	Shirol	35
2	Hatakanangle	20
3	Karveer	23
4	kagal	11
5	Radhanagri	11
6	Gaganbavada	07
7	Panhala	12
8	Shahuwadi	04
9	Bhudargad	06
<b>Total</b>		<b>129</b>

##### ❖ River Levels in Krishna Basin

<b>Name of the River Measure Centre</b>	<b>Warning Level (in Meter)</b>	<b>Danger Level (in Meter)</b>
Koyana Bridge, Karad	564.10	567.17
Khodashi Wear	572.00	572.57
Krishna Bridge, Karad	563.40	567.07
Irwin Bridge, Sangali	539.30	540.77
Ankali Bridge, Haripur	539.60	541.77
Rajaram Wear, Kolhapur	542.10	543.30
Rajapur K.T. Wear	535.16	536.68

2. 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.

3. Structural measures-

- ◆ Instructions for the cleaning and disilting of natural water resources like Nallas, culverts, etc. has been issued to the concerned departments. Notices has been issued to the peoples having encroachment, obstructions in blue zone.
- ◆ Demarcation of flood lines- After the floods of 2006 demarcation of flood line is done by the Irrigation department in all the 129 villages on riverside's. Also these lines has shown on the village maps and same copies has submitted to Collector's office.

- ◆ Resettlement of flood affected villages of 2005-06- Proposals of resettlement of 24 flood affected villages from Kolhapur district has been submitted to the state government. Funds for resettlement still not received from state.
- ◆ Emergency management plan of Irrigation projects- Instruction has been given to Irrigation department to prepare this plans for all the 7 major project in Kolhapur district.
- ◆ Reservoir Operation Schedule- Instruction to submit the updated schedules of all the dams to collectors office has given to Irrigation department.
- ◆ Appointment of nodal officers (revenue & irrigation)- Instructions has been issued to the irrigation department for the nominations of officers and for the revenue officers have selected for the same purpose.
- ◆ Monitoring of inflow of water reservoirs and warning systems- Duty arrangements of special officer's on dam sites during monsoon are made in the district for the monitoring of inflow water reservoirs.
- ◆ Progress of flood protection works- Flood protection works are in progress in Kolhapur district. PWD have made a big plan for the entire district which contain the roads, Major builds, buildings, culverts, etc. in all 12 talukas this is of 151 crore's plan. State govt. gave 2.8 crore funds for the works particularly for Shirol taluka in last economic year, PWD has completed the tender procedure but the work is pending.
- ◆ Arranging Training programmes- In Kolhapur district the DRM programme of GoI-UNDP is going on and so the post of District

Project Officer for Disaster management is there. Under the programme continue training programs are going on, now the refresher training's have been organized at the district as well as taluka level.

- ◆ Review meeting by DDMA- Mainly for the monsoon preparedness the meeting of District Disaster Management Authority was organized on the 2<sup>nd</sup> of May 2009. Review was taken by District Collector on preparedness related issues.
- ◆ Purchase of equipment under MLA/MP fund- In Kolhapur, district administration has purchased the equipment of 22 lakhs in the year 2006 from MP fund. Imported Inflatable Motor Boats, Life Jackets, Life ring are purchased in this. All these equipment are in sound position.

#### 1. Emergency Response Activities-

- ◆ Co-ordination- For better coordination in the district the administration has prepared SOP at all three levels i.e. District, Block and Village. Also committees are prepared as per requirement such as which department/Officer is responsible for the deployment of boats, vehicles, food grains. Who will be asked for the fodder, water supply, etc. all these responsibilities has been fixed and this will give better output and less loss during the emergency.
- ◆ Maintenance of essential services- Rapid action teams are ready with all line departments for the work of maintenance related work during the emergency in the district. Arrangements are made for the maintenance of services. For ex.- Roads, Electricity, water supply scheme, etc.

- ◆ Stock pilling of essential commodities- Instruction for the stock pilling of essential commodities like food grains, Kerosene, LPG, etc. it is ordered that extra stock of 2 months should be given to the card holders in area likely to be affect.
- ◆ Medicines and medical teams – Mainly for the medical services administration is fully ready with the sufficient stock of medicines in the area likely to affect. Also teams of medical staff and paramedical staff teams are ready with the action plan.
- ◆ Veterinary services- There will be a officer from Animal Husbandry department in the district control room for the coordination of services related to the live stock in the distict, also the thing like fodder, medicines for them will be ready before monsoon at the center of taluka.
- ◆ Hygiene and sanitation- Health department of ZP and the local bodies at village level have been instructed for the precautions to take for the hygiene and sanitation, mainly the village level teams have made aware with their role.
- ◆ Drinking water- Water supply scheme's have been tested well, stock of water purification medicine like TCL powder, etc. made available at each area likely to be affect by floods.
- ◆ Temporary shelters- Such places have been identified at each village for the emergency. Persons to lead these shelters are also identified at village only. Supply of electricity, water, etc. to these shelter places is concentrated well.

5. Awareness Generation activities- Under the Disaster Risk management programme of Govt of India- UNDP the awareness generation has been done with the help of various means like organizing of mock drills, sensitization workshops, etc.
6. Pre-contracts with providers of essential goods and services – Instruction has been given to all the line departments regarding this. Mainly with the supply department.
7. Identification of nodal officers for all departments at district level- Subject and issue wise officers have been appointed for the tasks to do during emergency.
8. Arrangement for Quick Damage Assessment- For the quick damage assessment teams are ready for the immediate Panchanamas.
9. Transparency in relief operations- Instruction given to the nodal officer with this work. And also proper supervision will be there from the district administration. Economic assistance will be given through check only and directly on the accounts of the affected family.
10. Disposal of carcasses and removal of debris- Separate officer has been appointed for this committee at district who is supposed to look after this issue during and after the disaster.

## Urban Flood Preparedness- 2009

### Kolhapur District

#### 2. Vulnerability assessment- flood prone villages and flood prone rivers

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### 3. Structural measures-

- ◆ Cleaning/ desilting of natural water resources-Instructions for the cleaning and disilting of natural water resources like Nallas, culverts, etc. has been issued to the concerned departments. Notices has been issued to the peoples having encroachment, obstructions in blue zone.
- ◆ Drainage channels- Instruction for the cleaning of drainage channels from the urban areas of Kolhapur district has been issued to the concerned CO's of 9 Municipal Councils of district. It is ordered to complete this work by 20<sup>th</sup> May.
- ◆ Removal of encroachments/obstructions- This causes in the city floods that's why district administration has ordered to the concerned MC's to remove all the encroachment's from such palces which cause into the blockages in the path of rain water.

### 4. Arranging Training programmes- In Kolhapur district the DRM programme of GoI-UNDP is going on and so the post of District Project Officer for Disaster management is there. Under the programme continue training programe are going on, now the refreshers training's have been organize at the district as well as taluka level.

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7. Awareness Generation activities- Under the Disaster Risk management programme of Govt of India- UNDP the awareness generation ha been done with the help of various means like organizing of mock drills, sensitization workshops, etc.
  8. Preparation of SOP's- Standard Operating Procedure mainly for the urban areas have been prepared in the Kolhapur district at each MC level. Also special plan is prepared by Kolhapur MC for Kolhapur city. Other 9 MC have submitted their SOP's to Collectors office.
  9. Functioning of City EOC- Separate control rooms will be start at each municipal level from 1<sup>st</sup> of June 2009. This EOC will work 24 hours

during the entire monsoon period. This will help for the better communication and coordination.

10. Functioning of communication equipments- District administration has given advice to MC to maintain their own communication mainly for the disaster management in their respective areas. It has ordered to take extra telephone lines, mobile phones during the monsoon period for the better communication.
11. Pre-contracts with providers of essential goods and services – Instruction has been given to all the line departments regarding this. Mainly with the supply department.
12. Identification of nodal officers for all departments at district level- Subject and issue wise officers have been appointed for the tasks to do during emergency.
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