

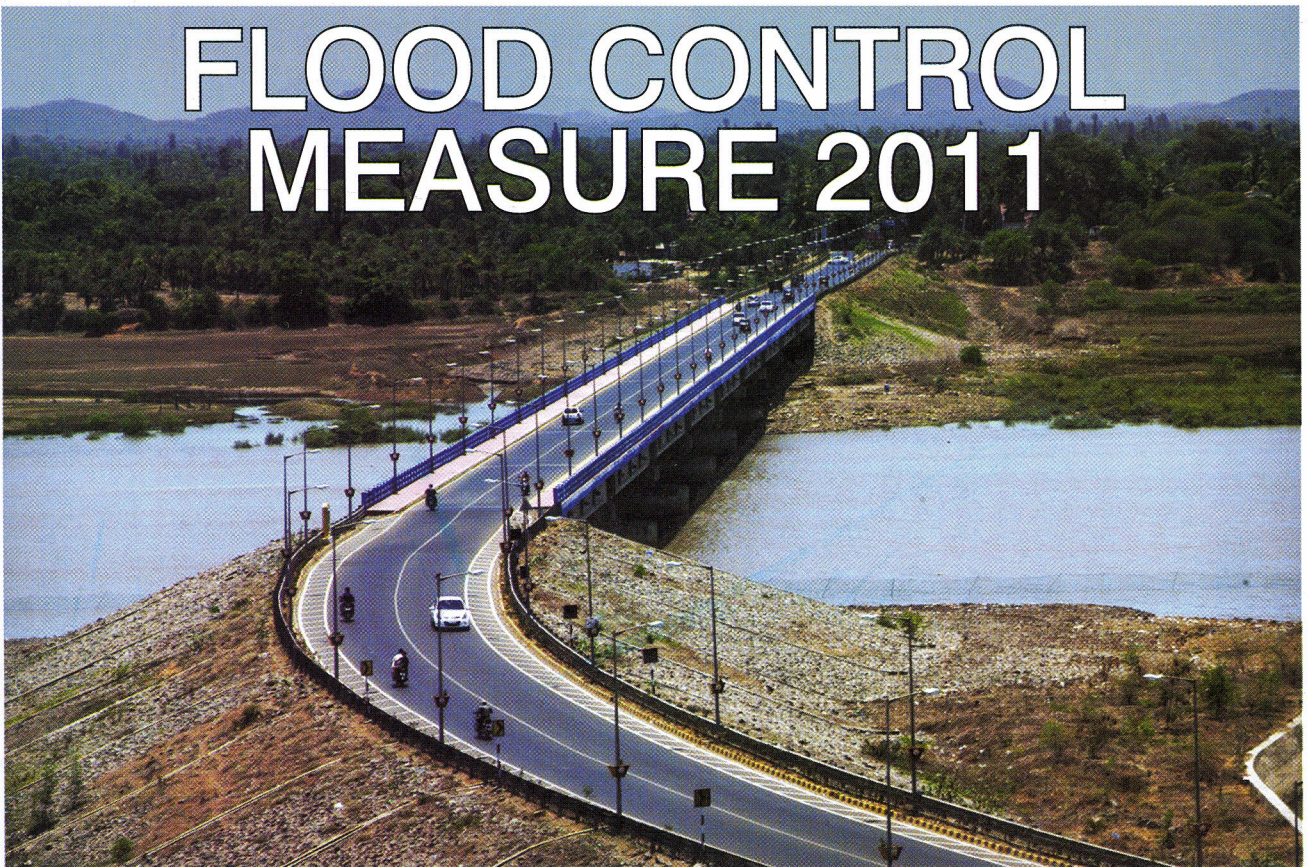


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UT Administration of Daman & Diu



FLOOD CONTROL MEASURE 2011



Issued by
COLLECTOR & DISTRICT MAGISTRATE, DAMAN



UT Administration of Daman and Diu, Daman

FLOOD CONTROL ORDER

The low lying areas of Daman District in the UT of Daman and Diu are flood prone. The heavy rainfall and release of large quantity of water from Madhuban Dam, Piparia River in Gujarat and Sakhartoda River in Maharashtra tend to create flood situation and also temporary water logging in Daman.

During the monsoon season, flood control measures and timely action for relief and rehabilitation are mandatorily required for which the following orders are hereby made :

1. Set up of Flood Control Room at the Collectorate, Daman

- A. A Flood Control Room has been set up at the Collectorate, Daman from 01/06/2011 (The Control Room will draw staff on rotation from all the departments of Daman District) to monitor flood situation and provide relief, rehabilitation and assistance to effected persons. It will function for 24 hours till 30/9/2011. Any information/complaint regarding flood, heavy rain, water logging and any other calamity may be given to the control room by the officers, NGO's and general public. The Control Room telephone numbers are **2230698, 2230689 and 1077.**

The important telephones of the officers made available to the control room are as under :

Sr. No.	Name of Officer & Designation	Office	Residence	Mobile
1.	Shri Manoj Kumar Sahoo, Collector & District Magistrate, Daman	2230689 2230698	2230472	9726185900
2.	Chanchal Yadav, Dy. Collector & SDM, (HQ) Daman	2230689 2230922		9978440877
3.	Shri Vijender Singh Dy. Collector, (G) Daman	2230607	2230105	9737167649

The names and telephone numbers of other important individual / officials are enclosed at **Annexure I.**

- B.** As the affected area primarily lies in the Territorial Jurisdiction of Daman Municipal Council, the D.M.C. has also setup emergency control room to restore the basic civic amenities. The telephone number of D.M.C. Control Room are as under :

I. Control Room,	Equipped with wireless Communication	: 2231777
II. Mr. Peter Peraira,	Sr. Supervisor (for Moti Daman)	: 9825454130
III. Shri Suresh M. Patel,	Asst. Mun. Inspector (for Nani Daman)	: 9879171512

- C.** As inter departmental co-operation is needed in order to coordinate relief, rescue, rehabilitation measures, the role of Coast Guard becomes very important.

Coast Guard has setup duty operation office at Air Port known as COAST GUARD OPERATION CENTRE, the telephone numbers of the same are as under :

- I. **2260865, 2261498, 2262827,**
- II. **2260005, 2260468** (Guard Room)
- III. **2261004** (Telefax)
- IV. Distress No. **2221941**
- V. Coast Guard Commanding Officer : **DIG A. K. Pokhariyal**
(M) **9427112102** (O) **2260665** (R) **2220858** (F) **2261004**
- VI. Military/Army co-operation is in order to co ordinate Relief Rehabilitation measures :
The Commanding Officer :
627 - SATA BTY
C/o:- 56 APO, Devlali, Nasik
Contact No. **0253-2406666**

2. Release of water from Madhuban Dam and danger levels:-

The Madhuban Dam has a large catchment area. Even if the rainfall in Daman is moderate, the heavy rainfall in catchment area in the adjoining States of Gujarat and Maharastra results in constant flow of large volume of water to the Dam. In addition Piparia river and Sakhartoda rivers also merge in Damanganga river on the way to Daman. Hence, it becomes imminent to coordinate with Madhuban Dam authorities, so as to ensure that heavy discharge of water is not releases during high tide and heavy rains in the Territory. The Executive Engineer, Madhuban Dam is therefore informed to ensure that water should be released from the Dam during monsoon season keeping in view the rain situation as well as the prevailing high tide period to avoid flood situation in Daman. Care should also be taken to note that excess water should not reach Daman when it is high tide off the coast of Daman

FLOOD WARNING ARRANGEMENT - 2011

TELEPHONE DIRECTORY - 2011

The Details of Officers and Control Room at Damanganga Project are as under :

Sr. No.	Name of Officer & with Designation	Telephone Numbers					E-mail ID
		Office	Fax	Personal	Resi.	Mobile	
1.	Shri A. D. Kanani Superintending Engineer, Damanganga Project Circle, Valsad	02632 254501 to 254502	02632 253308	02632 253307	02632 242903	9426139492	se-dgpc-val@gujarat. gov.in adkanani01@yahoo.co.in
2.	Control Room, Valsad	02632 254504	--	--	--	--	--
3.	Shri J. C. Chaudhari Executive Engineer, Damanganga Project, Dn. No. 1 Madhuban Colony	0260 2640213	0260 2640213	0260 2993732	0260 2640233	9978342253	eedpd1@yahoo.com
4.	CONTROL ROOM, Madhuban Dam	Code-0260 2640232	--	--			
5.	Shri M. V. Patel Executive Engineer, Damanganga Canal Inv. Dvn. Valsad	02632 254503	02632 253308	--	02632 242924	9426261139	mvpee2000@yahoo.co.in

FLOOD WARNING ARRANGEMENT - 2011

TELEPHONE DIRECTORY - 2011

The Details of Officers and Control Room at Damanganga Project are as under :

Sr. No.	Name of Officer & with Designation	Telephone Numbers					E-mail ID
		Office	Fax	Personal	Resi.	Mobile	
6.	Shri M. G. Dhangar Deputy Ex. Engineer, Damanganga Canal Distry. DN. No. 2, Valsad.	02632 254504	02632 254502	--	02632 242833	9904813175	eedcdd2@yahoo.com
7.	Shri J. N. Patel Executive Engineer, Damanganga Canal Distry. DN. No. 3, Balitha, Vapi	0260 2401312	0260 2423462	0260 2432204	--	9879551289	dcdd-3vapi@yahoo.com
8.	VIP Rest House Madhuban Colony	0260 2993682					
9.	Dam Site	0260 2993300					
10.	Balitha Rest House, Vapi	0260 2421194					

The authorities at Madhuban Dam will provide on an hourly basis the information relating to the release of water from & inflow of water in the reservoir and Level of water in the Dam to Collector Daman's Office/Control Room.

3. IMPORTANT DATA ABOUT DAMAN GANGA BASIN:

Sr. No.	Site (in meters)	Danger level (In meters)	Warning level
1.	Madhuban Dam	82.40	79.86
2.	Daman (Near Old Bridge)	3.40	2.60

LIST OF VILLAGES LIKELY TO BE AFFECTED BY THE FLOOD:

The areas which are affected by heavy rain and flood waters are identified as low lying areas. They are as following, in order of its being progressively prone to flooding.

A. Nani Daman side :	B. Moti Daman side:
i. Mitnawad Khariwad	i. Zari
ii. Kharawad	ii. Ambawadi.
iii. Ghachiwad	
iv. Holi Falia/Koda Falia/Jain Street	
v. Varkund	
vi. Mitnawad Kachigam	

* Map attached at end of booklet.

4. INSTALLATION OF MARKERS BY P. W.D.

Public Works Department, Daman has established S. S. level gauge / R. C. C. pillars as markers at various sites in Daman for the purpose of measuring the warning and danger level of flood during monsoon. The locations at which those markers have been established has been shown in Map provided in the end of this booklet.

5. APPROXIMATE DISCHARGE LEVEL FROM THE DAM AND ITS IMPLICATIONS FOR DAMAN:

Sr. No.	WATER DISCHARGE	PREPARATION	SIGNAL
1.	1,50,000 CUS	ALERT	WHITE
	4247 CUM		
2.	2,00,000 CUS	READY FOR EVACUATION	BLUE
	5663 CUM		
3.	2,50,000 CUS	IMMEDIATE EVACUATION	RED
	7079 CUM		

IMPORTANT :

In addition to the water from Madhuban Dam, water from Piparia River in Gujarat and Sakartoda River in Maharastra/Gujarat also gets discharged in Damanganga River down stream of Madhuban Dam, and thereby draining an additional basin area of 513 sq. kms. (in addition to Madhuban Dam basin / catchment area of 1800 sq. Kms.) As

informed by the Chief Engineer (Civil) OI DC/PWD as a precautionary measure the restored bridge over Damanganga river should not be used during High Flood reaching to High Flood Level of 3.00 meters (HFL 3.00 meters is upto the bottom of pile cap or when the discharge is to exceed 8000 cumecs. Therefore, the Chief Engineer shall depute one representative at the bridge site during monsoon to keep vigil on any such situation and raising the alarm to higher officials, who in turn will recommend the closure of traffic on bridge during any emergent situation.

NOTE :

- (1) This figure has been estimated keeping the high tide conditions in view.
- (2) The above figures are tentative and subject to tidal conditions as well as not taking in to consideration the rains in upper region of Piparia River in Gujarat and Sakartoda River in Maharastra (which also flows downstream of Madhuban Dam). The officials are advised to have physical verification of the condition on the ground before taking a decision.

6. Forecast of Rainfall :-

Shri S. G. Shinde, Site Incharge, (Mob-9228581222) Central Flood Forecasting, Wireless Station, CWC, Moti Daman, shall provide information regarding rainfall in addition, **Shri T. V. Narsaiah**, Assistant Executive Engineer, C.W.C., Silvassa may be contacted for further details on the following phone numbers.

Shri Vikas Barbele, A.E.E., C.W.C.

Phone : (0261) 2478569 (O), Surat
(0260) 2640204 (O), Silvassa

7. Places of shelters:

Affected persons will be evacuated for relief and rehabilitation at following places.

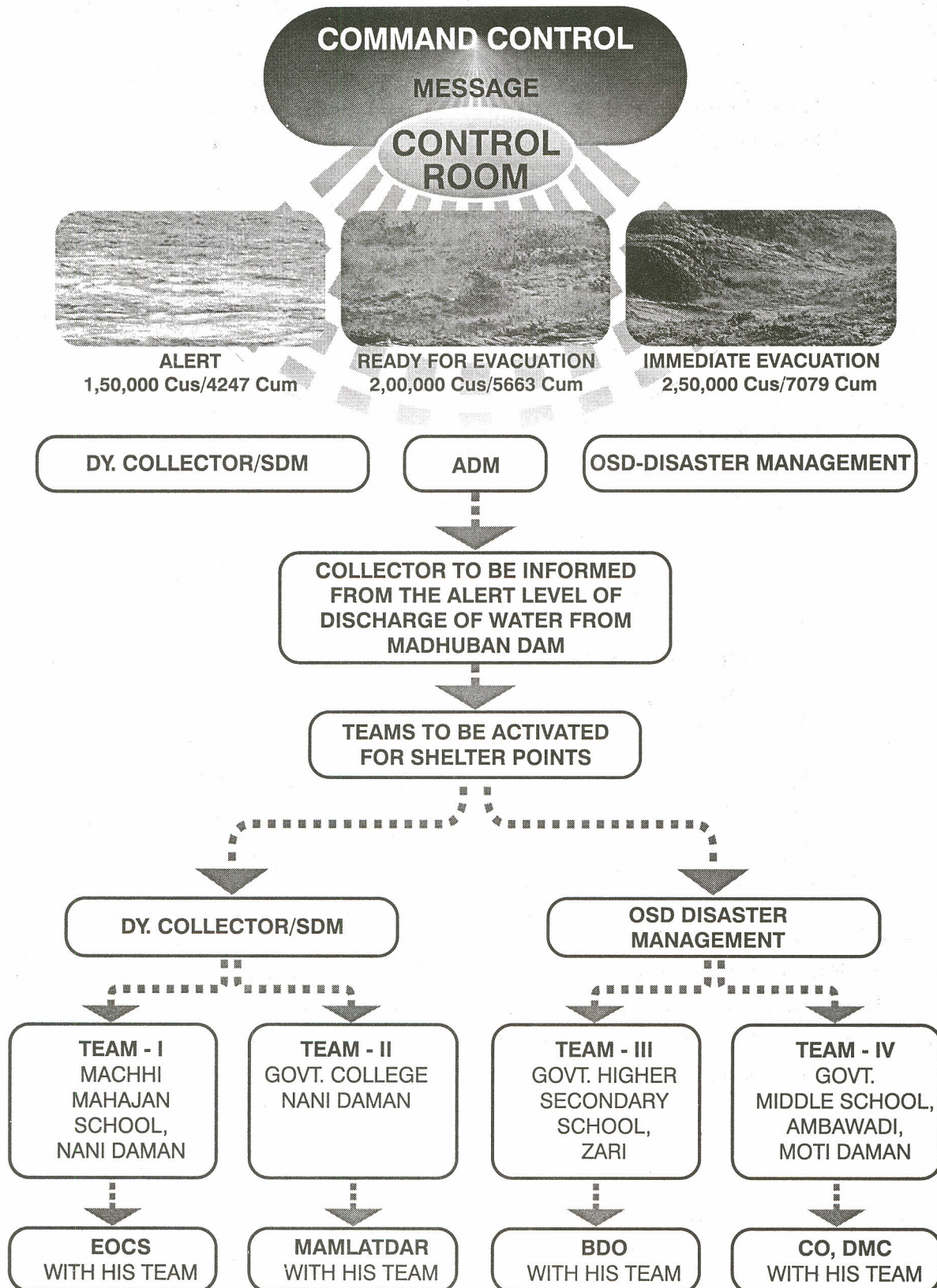
Sr. No.	Name of the School/Centre	Name, Address and Telephone No. of incharge	Name of persons with whom keys are available.	No. of Rooms available
1.	2.	3.	4.	5.
1.	Shree Machhimahajan English Medium School, Nani Daman.	Smt. L. K. Shetty , Principal, 2, Niketan Villa, Opp. Community Hall, Dunetha, Nani Daman, Tel. : 2251665 9898371672(M)	Shri Pramod Damania 9825292153 (M) Shri Suresh Tandel UDC 9898360065 (M)	40

Sr. No.	Name of the School/Centre	Name, Address and Telephone No. of incharge	Name of persons with whom keys are available.	No. of Rooms available
1.	2.	3.	4.	5.
2.	Govt. College, Nani Daman.	Dr. S. S. Jha Principal, Opp. Navodaya School Dunetha, Nani Daman. Telephone: (O) 2262027 (R) 2262117	Shri Ramji Tandel, Watchman (Night) Shri Jignesh Patel, Peon, (Night)	10
3.	Govt. Higher Secondary School, Zari, Moti Daman	Shri Manilal D Patel, I/C Head Master Telephone : (O) 2230915 (O) 2230276 (M) 9979496181	Shri Naresh R. Patel, G.P.T. Tel: 2231169 (M) 9377919448	18
4.	Govt. Middle School, Ambawadi, Moti Daman.	Shri K. R. Patel,	--	08
5.	Govt. High School, Patlara, Moti Daman	Shri V. S. Modasia, Telephone : (O) 2231375 (R) 2230276 (M) 9825517305	Shri Krishna Patel, Watchman.	20

It will be the responsibility of the concerned officers to caution the general public in low lying areas whenever information of crossing of danger level is received. This needs to be done both in night and day time. For this purpose they shall keep the staff and other officials/material ready for deployment at short notice.

8. **COMMAND CONTROL:**

I. The command control shall be as following.



- ii. The members of the team for each of the officers, i.e. E.O.C.S., Mamlatdar, B.D.O. and C.O., D.M.C. are as follows.

E.O.C.S. WITH HIS TEAM.

1. **Shri J. L. Patel**, Superintendent, (G) Collectorate, Daman.
2. **Shri N. M. Tandel**, Coordinator Supervisor, Principal, Scientific Office, Moti Daman
3. **Shri S. H. Dhonde**, Accountant, Electricity Department, Nani Daman.
4. **Shri P. S. Bhatt**, V.P. Secretary, B.D.O., Daman.
5. **Shri M. D. Solanki**, L. D. C., Dy. Secretary (Dev), Secretariat, Daman.
6. **Shri Ashok Halpati**, Peon, Principal, Scientific Office, Moti Daman

MAMLATDAR WITH HIS TEAM.

1. **Shri D.D. Vasiya**, S. A., T.S.P. Cell, Daman
2. **Shri P. M. Makwana**, V. P. Secreatry, B.D.O., Daman.
3. **Shri A. K. Patel**, U.D.C., Executive Engineer, Electricity Department, Nani Daman.
4. **Shri D. R. Patel**, L.D.C., Principal, Industrial Training Institute, Nani Daman.
5. **Shri V. V. Joshi**, L.D.C., Executive Engineer, Electricity Department, Nani Daman.
6. **Shri A. N. Khot**, Peon, Government College, Daman.

B.D.O. WITH HIS TEAM.

1. **Shri D. B. Ahir**, Superintendent, Collectrate, Moti Daman.
2. **Shri K. M. Raut**, U.D.C., Personnel Dept., Seat, Moti Daman.
3. **Shri N. J. Dhodi**, E.O. , B.D.O., Daman.
4. **Shri R. V. Halpati**, U.D.C., T. T. I. Varkund, Nani Daman
5. **Shri C. N. Halpati**, L.D.C., Collectorate, Daman.
6. **Shri M. G. Patel**, Peon, Government College, Daman.

C.O., D.M.C. WITH HIS TEAM.

1. **Shri J. R. Patel**, Accountant, A. D. E. (D. P.), Daman.
2. **Shri R. L. Patel**, V. P. Secretary, B.D.O., Daman.
3. **Shri I. V. Halpati**, U.D.C., Government Polytechnic, Daman.
4. **Shri Amrat G. Halpati**, L.D.C., B.D.O., Daman.
5. **Shri B. P. Davne**, L.D.C., Executive Engineer, Elect. Deptt. Daman.
6. **Shri U. R. Dhodi**, Peon, Govt. College, Daman.

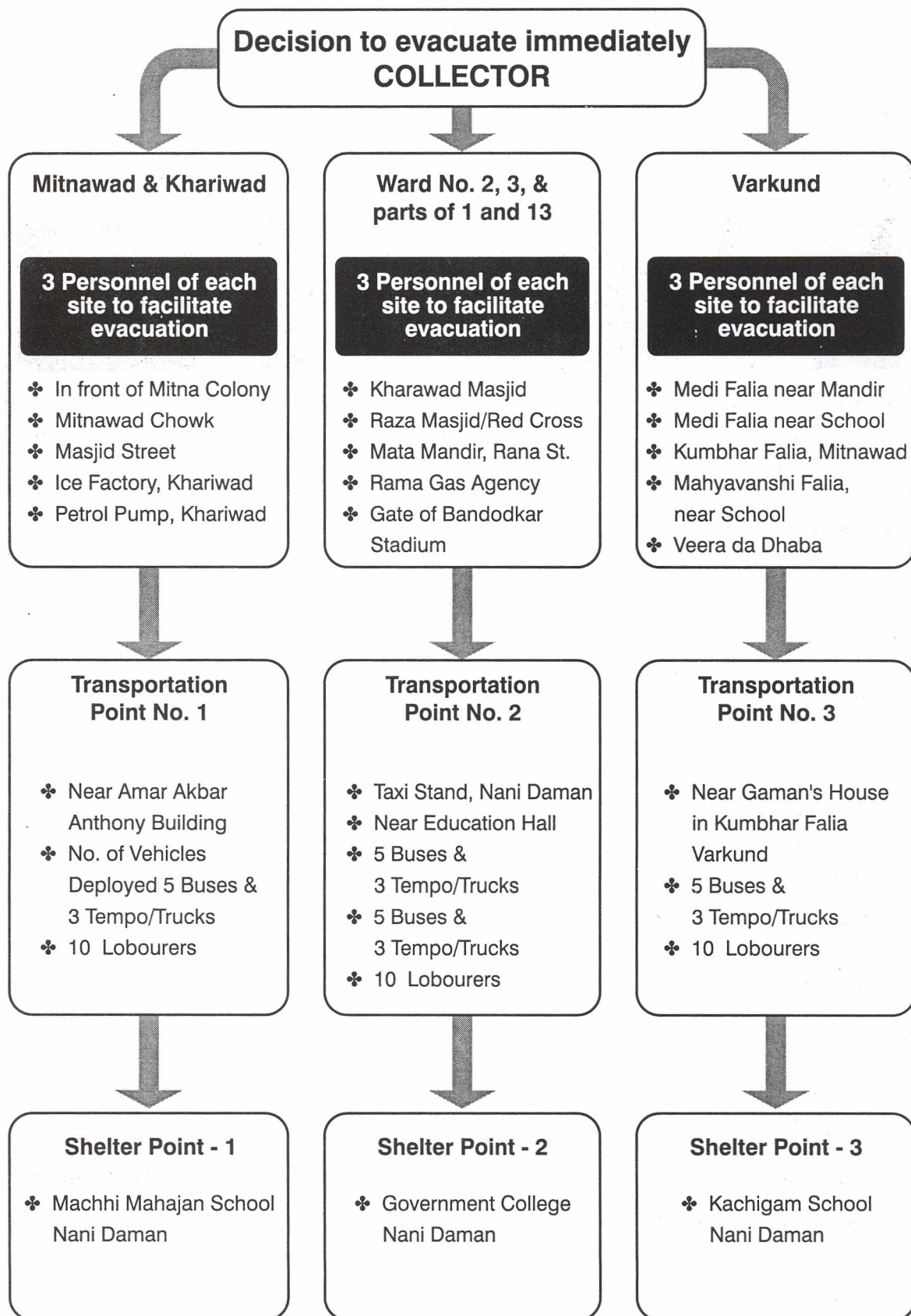
iii. a. Individual team to contact:-

- ❖ Concerned food suppliers to ensure food supply to victims / effected people.
- ❖ Health Officer for Primary Health Care and prevention of vector borne diseases
- ❖ Fire Station for emergency services.
- ❖ DMC Control room for provision of civic amenities and demolition of unsafe structures.
- ❖ Electricity Department for restoring power and safety of electricity connection in effected buildings.
- ❖ Sanitary conditions to be restored with the help of DMC Staff and District Panchayat Staff in respective areas.
- ❖ Private organizations and NGO's such as Rotary Club, Lions Club etc for pooling in resources for rescue, relief and rehabilitation.

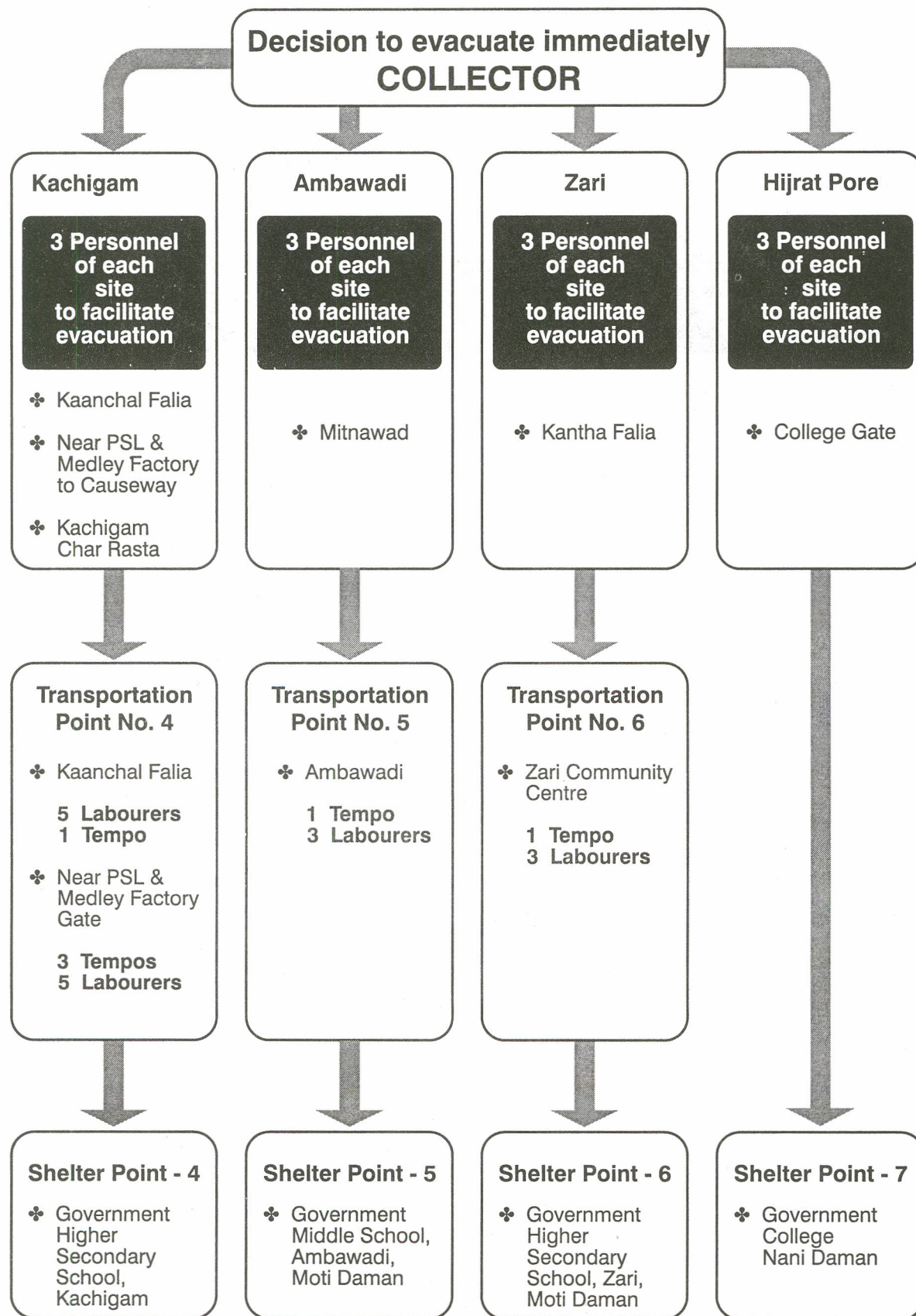
b. Evacuation Process

- ❖ Decision to start immediate evacuation at various sites **[Collector/ADM/OSD-DM/ Dy. Collector]**
- ❖ Identification of individual bus/trucks along with owners, telephone nos., place of parking, etc. **[Asst. Director of Transport]**
- ❖ Decision to sound ready for evacuation message in entire low-lying area, **[Collector/ADM/OSD-DM/Dy. Collector]**
- ❖ Intimation for arrangement of adequate police personnel **[Collector/ DIGP/COP]**
- ❖ Positioning of police personnel at sites of evacuation. **[Dy. Collector/ADM/OSD-DM/Mamlatdar/Enquiry Officer (CS)]**
- ❖ Bringing of buses/trucks to probable spots/ **[Asst. Dir. Of Transport]**
- ❖ Intimation to Director Health and Medical Services for stationing ambulance/ Paramedical personnel at the site of evacuation and relief camp **[Collector DHMS]**
- ❖ Provision of 40 labourers to facilitate loading of belongings of infirm, old and handicapped. **(PWD & Municipality)**

(c) Flow Chart of Actual Evacuation as per the Chart attached.



(c) Flow Chart of Actual Evacuation as per the Chart attached.



Services of N.G.Os:

Some NGOs in Daman render very good humanitarian service in the time of need. To assist Government's efforts, the services of these NGOs will be pressed into service as and when required.

A list of NGOs is given at **Annexure-II**. The NGOs should work in coordination with the departments concerned.

The NGOs shall endeavour to provide food items and other essential items such as clothing and shelter materials required for the persons at various Relief Centers.

9. Services of Food Suppliers:

The NGOs may take services of Food Caterers whenever required. The Indian Red Cross Society of Daman shall coordinate between the NGOs and Food Caterers. The list of food caterers in Daman are as under :

LIST OF FOOD CATERERS OF DAMAN.

Sr. No.	Name & Address of Caterers of Daman	Contact Person	Telephone No. of Contact Person
1.	HOTEL GURUKRIPA Sea Face Road, Nani Daman.	Shri. Vijaybhai 9227800515	(O) 2255046 (R) 2255147 (O) 2255023
2.	HOTEL DARIYA DARSHAN Devka Beach, Nani Daman.	Shri. Navinbhai 9825610376	(O) 2254476 (H) 2254386 9879515996
3.	HOTEL MIRAMAR DevkaBeach, NaniDaman.	Shri. Gopalbhai Tandel 9375000888 9879098888	(O) 2250671 (O) 2250672 (R) 2254325
4.	HOTEL SAMRAT Sea face Road, Nani Daman	Shri. Gulabsingh Shri Bahayal	9824302658 (O) 2254068 (O) 2251168
5.	JAY JALARAM KHAMAN Opp. E Naseervanji Petrol Pump, Khariwad, Nani Daman.		(O) 2250200

10. Hospital and Medical Institution:

To provide medical relief and rehabilitation to the affected persons the Government and private Hospitals/Institutions are specified for the purpose. The list of Government and Private Hospital is attached as **Annexure III**. The victims will be shifted to the nearest hospital for treatment. Some hospitals in the neighboring District of Gujarat State may also be approached in case of need and emergency.

11. GENERAL

The following departments shall take immediate action to provide immediate relief to the victims of flood or other natural calamity.

- | | |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Electricity Department | <ul style="list-style-type: none">❖ To identify feeders in low lying areas and to keep vigil during heavy rains and flood for preventing mishap due to electrocution.❖ To provide flood light at the place of Relief Centers wherever required. |
| 2. Urban Development Agency | <ul style="list-style-type: none">❖ To provide toilet booths at Food Shelter Centers.❖ To create adequate drainage in water logged areas. |
| 3. Medical and Public Health | <ul style="list-style-type: none">❖ To provide all medical facilities, medicine etc., in affected areas and relief centers.❖ To take precautions to prevent water borne diseases.❖ To arrange and ensure sanitation in all respect. |
| 4. Fire Department | <ul style="list-style-type: none">❖ To be in ready position to attend to any contingency and help remove fallen trees and other materials in coordination with PWD and Forest department.❖ To attend the rescue and search operations. |
| 5. Fisheries Department | <ul style="list-style-type: none">❖ To inform all Fishermen about release of water from Madhuban Dam.❖ To hire services of qualified divers during flood. The department should identify qualified divers well in advance and be in touch with Coast Guard Daman for rescue of trapped persons. |

- | | |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6. Public Works Department, | <ul style="list-style-type: none"> ❖ To attend to water logging, removal of fallen trees from the road, maintaining communication and attending repairs of roads, bridges for rescue operation. ❖ To hire private JCB, Hitachi cranes, truck and tempos for relief and rehabilitation works. For this they should take appropriate measures in advance. ❖ To provide labour force. |
| 7. Forest Department | <ul style="list-style-type: none"> ❖ To arrange and coordinate rescue operations with PWD for quick removal of fallen trees on the road and isolated areas. ❖ To provide labour force. |
| 8. Education Department | <ul style="list-style-type: none"> ❖ To issue directions to the Schools and hostels to provide the premises for relief centers and attend to work of relief with NGOs and other departments. ❖ To prepare a list of mid day meal workers for preparing food for rehabilitated people. |
| 9. Mamlatdar Office | <ul style="list-style-type: none"> ❖ To coordinate all relief and rehabilitation work, publicity and forewarning of flood through Talathis and other staff. ❖ To prepare cases for monetary relief to the victims of flood and other natural calamities. ❖ To procure tents, torches and other materials for shelters/rehabilitation works from the relief and rehabilitations budget based upon the budget of last year. |
| 10. Field Publicity Department | <ul style="list-style-type: none"> ❖ To attend to all publicity work and other responsibilities as may be assigned from time to time. |
| 11. Indian Red Cross Society | <ul style="list-style-type: none"> ❖ The Indian Red Cross Society, Daman will carry out relief work as usual and act as nodal agency for all other NGOs. |
| 12. Port Officer, Daman | <ul style="list-style-type: none"> ❖ To display storm signal and publicity of storm signal to fisherman. |

	<ul style="list-style-type: none"> ❖ To stop operation of plying of boat during high tide and at the time of release of water from Madhuban Dam. ❖ To be in constant touch with Flood Control Room and take necessary action immediately to inform Fishermen.
13. Transport Department	<ul style="list-style-type: none"> ❖ To ensure availability of buses for public transport between Moti Daman and Nani Daman. ❖ To keep ready trucks and tempos for relief work. ❖ To help District Administration in relief work.
14. Safety Officer/E.O.C.S.	<ul style="list-style-type: none"> ❖ To ensure safety of passenger in boat. ❖ To ensure capacity of passengers in boat does not exceed its limit. ❖ To help District Administration in relief work.
15. C.E.O/B. D. O., Daman.	<ul style="list-style-type: none"> ❖ To keep ready the field staff for relief work. ❖ To help District Administration in relief work.

This order will remain in force till 30th September, 2011.

Sd/-

(MANOJ KUMAR SAHOO)
Collector/District Magistrate,
Daman.

Place: Moti Daman

To,

All Concerned.

Copy to :

1. OSD, Disaster Management, Collectorate, Daman.
2. The Additional District Magistrate, Daman.
3. The Dy. Collector/SDM, Daman.
4. The Inspector General of Police, Daman.
5. P.S. to the Hon'ble Administrator, Daman & Diu, Daman.
6. P.A. to the Development Commissioner, Daman and Diu, Daman.