

GOVERNMENT OF GOA
DISASTER MANAGEMENT RESPONSE PLAN



DIRECTORATE OF FIRE & EMERGENCY SERVICES
ST. INEZ – PANAJI
GOA

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FOREWORD

Disaster is a sudden, extremely unfortunate event that affects many people. A major disaster is primarily an incident which causes or threatens multiple deaths and injuries or severe disruption and which is beyond normal capacities of Fire, Police and Ambulances Services. Taking into consideration the immense damage caused by natural disaster, it is necessary to take concerted action for reduction of loss of life and property damage and social and economic disruption caused by natural disasters. Disaster Management is a dynamic process involving many organizations which must work together to prevent, prepare for, respond to and recover from the effects of disasters. In short, every organisation must have concern for minimizing the adverse impact of the disaster on people through preparedness and by bringing in the right technology to bear in a timely, coordinated and effective manner. The Directorate of Fire & Emergency Services provides timely assistance to the people in distress. Historically disaster management are assigned to Fire Services by virtue of the equipments and man power available with them for such response. The detail information about the department, equipments and manpower available for disaster response is included in this booklet.

Sd/-

ASHOK MENON
DIRECTOR
FIRE AND EMERGENCY SERVICES

Updated as on 30.09.2010

OBJECTIVES OF THE PLAN

The Primary objectives of the Disaster Management Plan is:

- To take prompt action to save valuable lives and property in the State of Goa.
- To provide rescue and relief work
- To instill confidence to tackle any crisis situation that may arise.
- To handle such an emergency efficiently.
- To have meticulous planning, regular practices and mock drills, keeping the existing facilities available in proper working condition.
- To coordinate the actions of the personnel's of the Department and to evolve policies for cooperation among the various participating organizations.
- To bring the incident under control within shortest possible time.
- To ensure normalcy within shortest possible period.

ORGANISATION AND CONTROL

The Goa State Fire and Emergency Services constituted under the Goa State Fire Force Act 1986 is headed by the Director with its Headquarters and Logistic Centre at Panaji. Besides fulfilling the main objectives of fire prevention, fire protection, fire-fighting and rescue, the department generally attends emergency calls which are not directly connected with fire, in order to help the people in distress. Over the years it has attained a multi-dimensional role in saving and protecting life and property of the people with its activities in fire prevention, fire protection, fire suppression and training. The department is being developed to provide effective fire and emergency cover to the people and property in the State. The approved strength of the Goa Fire & Emergency Services is 546 including officers and administrative staff. It provides round the clock services with the set up of 13 Fire Stations located in the township of the respective local Bodies/Municipalities, viz., Panaji, Mapusa, Margao, Vasco, Curchorem, Canacona, Ponda, Old-Goa, Bicholim, Valpoi, Pernem, Verna and Kundaim.

There are three Sub-Divisions viz; District Fire Station Panaji, District Fire Station Margao and Central Fire Station Ponda, each under the control of respective Assistant Divisional Officer for operational and administrative duties. In order to ensure effective command and control, the Fire Stations which are grouped under command of Asst. Divisional Officer are as detailed below:

Assistant Divisional Officer, District Fire Station Panaji	-	Fire Station Panaji, Mapusa, Pernem and Vasco
Assistant Divisional Officer, Central Fire Station Ponda	-	Fire Station Ponda, Valpoi, Bicholim, Kundaim and Old-Goa
Assistant Divisional Officer, District Fire Station Margao	-	Fire Station Margao, Curchorem, Canacona and Verna

Each station is headed by one Station Fire Officer/Officer-in-charge. The Officer and Fire Personnel on duty at the respective Local Fire Station (LFS) will be the first responder for all types of Fire/emergencies which include natural and man made disasters.

MAP OF GOA SHOWING FIRE STATION LOCATION



FIRE STATIONS IN THE STATE OF GOA

FIRE FORCE HEADQUARTERS (LOGISTICS CENTRE)	01
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SUB DIVISIONS	FIRE STATION UNDER SUB-DIVISIONS
DISTRICT FIRE STATION PANAJI	04
DISTRICT FIRE STATION MARGAO	04
CENTRAL FIRE STATION PONDA	05
TOTAL NUMBER OF FIRE STATIONS	13

DISTANCE FROM FIRE STATIONS TO HEADQUARTERS AND SUB - DIVISIONS

I.	District Fire Station Panaji	Distance from DFS Panaji	Distance from Hqrs. Panaji
	Fire Station Panaji	---	---
	Fire Station Mapusa	16	16
	Fire Station Pernem	34	34
	Fire Station Vasco	32	32
II.	District Fire Station Margao	Distance from DFS Margao	Distance from Hqrs. Panaji
	Fire Station Margao	---	38
	Fire Station Curchorem	22	61
	Fire Station Canacona	36	76
	Fire Station Verna	14	21
III.	Central Fire Station Ponda	Distance from CFS Ponda	Distance from Hqrs, Panaji
	Fire Station Ponda	---	32
	Fire Station Old-Goa	19	13
	Fire Station Bicholim	32	34
	Fire Station Valpoi	32	61
	Fire Station Kundaim	09	23

RESPONSE ACTION

ROLE & RESPONSIBILITIES:-

1. LOCAL FIRE STATION (LFS) / FIRST RESPONDER

When the Local jurisdiction in any of the three sub-divisions is affected by any fire and emergency situation, the Local Fire Station in the respective sub-division will be the First Responder. The First Responder shall take the following action:-

- The Local Fire Station will dispatch Fire Tender or Emergency Tender (which includes Fire Fighting Personnel and equipment) to the incident site based on the type of incident reported in the respective Fire Station.
- The First Responder will make an on-scene assessment of the incident (nature, magnitude and other details) and inform the respective Watch Room, who in turn will inform the Headquarters Fire Control Room on an on-going basis to the extent possible.
- The Watch Room of the Local Fire Station will simultaneously communicate the information of the incident to the Assistant Divisional Officer of the respective sub-division.
- The First Responder may seek assistance from the neighbouring Fire Stations as per the standard protocol and from other mutual aid agencies, as may be required based on the progress and status of the incident.
- The First Responder shall provide information to the Headquarters Fire Control Room to extent possible by communication facilities available with them;
- The First Responder Team shall leave the scene of the incident only after the situation has been fully brought under control.

2. HEADQUARTERS FIRE CONTROL ROOM

The Headquarters Fire Control Room at Panaji upon receipt of information of the incident either directly or through other channel of communication of the on-scene and near-scene assessment, will take the following action:

- The HQ Fire Control Room shall act as a Nodal Agency to coordinate fire fighting and response action.
- Mobilize Fire Tender / Emergency Tender from the nearest Fire Station to the affected site as per Disaster Management Response Plan (DMRP).
- Mobilize reinforcement/Specialized equipment, if needed, and other support services to the area/scene to assist in the controlling of the incident;
- Alert other response agencies such as Medical, Police for support that may be required;
- Provide information to the superior officers of the Directorate of Fire & Emergency Services based on on-scene information available through the First Responder Team.

3. NEIGHBOURING FIRE STATIONS

Upon being informed by the HQ Fire Control Room, Fire Stations located away from the scene of incident will;

- Move to alert and ready status.
- On advise of the HQFS, shall;
 - Start moving resources and personnel towards the scene of incident
 - Report to the Incident Controller Officer (ICO) engaged in the on-scene response
 - Co-ordinate as per instructions of the ICO.

4. ASSISTANT DIVISIONAL OFFICER / SUB-DIVISION FIRE CONTROL OFFICER

- The Assistant Divisional Officer / Sub-Division Fire Control Officer, on receipt of the information from the Watch Room of the Local Fire Station shall proceed to the scene of incident as per severity of the incident.
- He shall communicate with his superior officer as per protocol and keep them informed about the situation of the incident from time to time.
- He shall co-ordinate the entire Fire / Emergency management within his jurisdiction and shall be responsible for any coordinating action during emergency.
- He shall leave the site of incident only after the situation has been brought under control.

5. DIVISIONAL OFFICER / ASSISTANT CHIEF FIRE CONTROLLER (ACFC)

The DO / ACFC shall be the overall commander of all fire and emergency operations in the respective District. In his capacity he shall have the following responsibilities.

- Assume overall charge during the progress of the emergency situation in the respective district and provide the required direction and co-ordination of all resources to bring the incident under control with minimum loss of life and damage to property.
- Organize reinforcement and support for emergency response from the resources available with the various response agencies and other mutual aid organizations.
- He shall communicate with his superior officer(s) as per protocol and keep them informed about the situation of the incident from time to time.

6. DEPUTY DIRECTOR / DEPUTY CHIEF FIRE CONTROLLER (DCFC)

- The DCFC shall be the second -in-command, assisting the Director, and shall assume the overall command of major fire and other emergency incidents in the absence of the Director.
- Whenever the DCFC personally monitors or supervises the response to an incident, he shall report to the Director about the satisfactory completion of the response action.
- It shall also be his duty to alert the Director of Fire & Emergency Services about serious nature of an incident, where guidance by the Director of Fire & Emergency Services is called for or is desirable.

7. DIRECTOR / CHIEF FIRE CONTROLLER (CFC)

- The Director of Fire & Emergency Services (DFES) shall be in overall command whenever he is present at an incident site or his supervision / guidance has been requested.
- The DFES shall alert higher levels in Government in the event of high risk events bordering on calamity / disaster, so as to trigger appropriate response at that level.

ROAD DISTANCE BETWEEN THE FIRE STATIONS

	Panaji												
Mapusa	16	Mapusa											
Bicholim	34	21	Bicholim										
Valpoi	61	45	24	Valpoi									
Pernem	34	18	39	63	Pernem								
Old-Goa	13	23	44	51	41	Old Goa							
Margao	38	48	69	52	66	33	Margao						
Vasco	30	40	61	67	58	25	32	Vasco					
Ponda	32	42	32	32	70	19	20	35	Ponda				
Curchorem	61	72	57	57	90	55	22	54	25	Curchorem			
Canacona	76	86	107	88	104	67	36	66	50	45	Canacona		
Verna	21	33	51	54	51	17	14	17	26	36	49	Verna	
Kundaim	23	36	29	37	54	09	29	44	09	34	59	35	

POSITION OF FIRE APPLIANCES

Sl. No.	Name of the Headquarter	WT	HWT	CFT	EMT	MFT/MSB	BDV	IFT	FOAM/T	HYD/PF	RES/T	MPU	MC	AMB	TOTAL
1.	Fire Force Headquarters	2	1	1	--	1	1	--	--	1	--	3	2	1	11

Sl. No.	Name of the Sub-Division	WT	HWT	CFT	EMT	MFT/MSB	BDV	IFT	FOAM/T	HYD/PF	RES/T	MPU	MC	AMB	TOTAL
---------	--------------------------	----	-----	-----	-----	---------	-----	-----	--------	--------	-------	-----	----	-----	-------

A) DISTRICT FIRE STATION PANAJI

2.	Panaji Fire Station	2	--	--	1	--	--	--	--	--	--	--	--	1	4
3.	Mapusa Fire Station	1	1	--	--	--	1	--	--	--	--	--	--	1	4
4.	Pernem Fire Station	2	--	--	--	--	--	--	--	--	--	--	--	1	3
5.	Vasco Fire Station	1	--	--	--	1	--	--	--	--	1	--	01	1	4
Total: A		8	2	1	1	2	2	--	--	1	1	3	03	5	26

B) DISTRICT FIRE STATION MARGAO

Sl. No.	Name of Station	WT	HWT	CFT	EMT	MFT	BDV	IFT	FOAM/T	HYD/PF	RES/T	MPU	MC	AMB	TOTAL
1.	Margao Fire Station	3	--	--	--	--	--	--	--	--	1	1	--	1	6
2.	Curchorem Fire Station	2	--	--	--	--	--	--	--	--	--	--	01	--	2
3.	Canacona Fire Station	1	--	--	--	--	--	--	--	--	--	--	01	1	2
4.	Verna Fire Station	--	--	--	--	--	--	1	--	--	--	--	--	1	2
Total: B		6	--	--	--	--	--	1	--	--	1	1	02	3	12

C) CENTRAL FIRE STATION PONDA

Sl. No.	Name of Station	WT	HWT	CFT	EMT	MFT	BDV	IFT	FOAM/T	HYD/PF	RES/T	MPU	MC	AMB	TOTAL
1.	Fire Station Ponda	2	--	--	--	1	--	--	--	--	--	1	--	1	5
2.	Fire Station Old-Goa	2	--	--	--	--	--	--	--	--	--	--	--	1	3
3.	Fire Station Bicholim	1	--	--	--	--	--	--	--	--	1	--	01	1	3
4.	Fire Station Valpoi	1	--	--	--	--	--	--	--	--	--	--	01	1	2
5.	Fire Station Kundaim	--	--	--	--	--	--	1	--	--	--	--	01	--	1
Total:C		6	--	--	--	1	--	1	--	--	1	1	03	4	14
TOTAL =A + B +C		20	02	01	01	03	02	02	--	01	03	05	08	12	52

Note:-

1.	WT	=	Water Tender	5.	MFT	=	Multipurpose Fire Tender	9.	MPU	=	Motor Pump Unit
2.	HWT	=	Heavy Water Tender	6.	BDV	=	Break Down Van	10.	AMB	=	Ambulance
3.	CRT	=	Crash Tender	7.	HPL	=	Hydraulic Platform	11.	IFT	=	Industrial Fire Tender
4.	EMT	=	Emergency Tender	8.	RV	=	Rescue Van	12.	FOAM/T	=	Foam Tender
								13.	MC	=	Motor Cycle

The Fire Fighting Equipments and Life Saving Equipments are distributed to all Fire Stations on the basis of its risk assessment. The minimum Fire Fighting Equipments Viz Delivery Hoses, Couplings, Suction Hoses, Small Gears, Extension Ladders, Portable Fire Chemical Extinguishers, Ropes, Fire Pump and Life Saving Equipments Viz. Hydraulic Cutting Tools, Self Contained Breathing Apparatus, (SCBA), Diving sets, Fire Approach suits, Chemical Suit, Chlorine Suit, Ammonia Suit etc. are available at state level.

STAFF POSITION

Name of the Headquarter	ADO	SFO	SO/ ASFO	L/FF	WRO	D/OPT	F/F
Fire Force Headquarters (Including FP Cell, Trg., MT, Stores ,Commn.& Yard)	--	04	07	11	05	18	52
Total (A)	--	04	07	11	05	18	52

	Name of the Sub-Division	ADO	SFO	SO/ ASFO	L/FF	WRO	D/OPT	F/F	
Sl. No.	DISTRICT FIRE STATION PANAJI	01	--	--	--	--	--	--	
1.	Fire Station Panaji	--	01	05	06	--	07	18	
2.	Fire Station Mapusa	--	01	02	08	02	09	18	
3.	Fire Station Pernem	--	01	01	03	02	04	17	
4.	Fire Station Vasco	--	01	02	06	02	06	14	
	Total (B)	01	04	10	23	06	26	67	
Sl. No.	DISTRICT FIRE STATION MARGAO	01	--	--	--	--	--	--	
1.	Fire Station Margao	--	01	02	05	03	11	21	
2.	Fire Station Curchorem	--	--	01	04	02	04	14	
3.	Fire Station Canacona	--	01	01	02	01	03	15	
4.	Fire Station Verna	--	01	01	03	01	04	15	
	Total (C)	01	03	05	14	07	22	65	
Sl. No.	CENTRAL FIRE STATION PONDA	01	--	--	--	--	--	--	
1.	Fire Station Ponda	--	01	02	05	03	09	23	
2.	Fire Station Old Goa	--	--	01	02	02	03	12	
3.	Fire Station Bicholim	--	01	01	05	01	07	15	
4.	Fire Station Valpoi	--	01	01	03	01	04	12	
5.	Fire Station Kundaim	--	01	01	02	01	02	12	
	Total (D)	01	04	06	17	08	25	74	
	Total (A+B+C+D)	03	15	28	65	26	91	258	
	Total Operational Strength	486							

TELEPHONE NUMBERS OF FIRE STATIONS

	Fire Force Headquarters	101, 2225500, 2232902 2425101, 2423101
--	--------------------------------	---

A) DISTRICT FIRE STATION PANAJI

Sl. No.	Name of Station	Telephone Numbers
1.	Panaji Fire Station	2225500, 2232902, 101
2.	Mapusa Fire Station	2262900, 2263354, 101
3.	Pernem Fire Station	101, 220120, 2201393, 101
4.	Vasco Fire Station	2513840, 2519068, 101

B) DISTRICT FIRE STATION MARGAO

Sl. No.	Name of Station	Telephone Numbers
1.	Fire Station Margao	2714600, 2715825 , 101
2.	Curchorem Fire Station	2650307 , 101
3.	Canacona Fire Station	2633311 , 101 , 2633500
4.	Verna Fire Station	2887122 ,101, 2887085

C) CENTRAL FIRE STATION PONDA

Sl. No.	Name of Station	Telephone Numbers
1.	Ponda Fire Station	2312044, 101, 2315863
2.	Old Goa Fire Station	2285344
3.	Bicholim Fire Station	2361397, 2362100, 101
4.	Valpoi Fire Station	2374444, 101
5.	Kundaim Fire Station	2395455

IMPORTANT TELEPHONE NUMBER

A) DISTRICT FIRE STATION PANAJI

Sl. No.	Name of Fire Station	Water Supply.	Elect. Dept.	Health Service	Ambulance Trust	L.P.G. Eg. Cell.	Mutual Aid Agency	Collector / Dy. Collector/ Mamlatdar	Police Dept.
1.	Panaji Fire Station	2226446	2225835 2420042	2223026 2224566 2225727	2224601 2227997 2220655 2224096 2223026	2231934	--	2223612 2225383	2428488, 89 100
2.	Mapusa Fire Station	2262374	2262218 2265385	2262211 2260372	2374224	2278367	2262250	2262038	2262231
3.	Pernem Fire Station	2201205	2201772	2201249	--	--	--	2201223 2201142	2201233
4.	Vasco Fire Station	2512382	2512043 2511565	2513864 2512307	--	2513599	2512300 2510191 2555571	2512688 2513014	2512304 2513273

B) DISTRICT FIRE STATION MARGAO

Sl. No.	Name of Fire Station	Water Supply.	Elect. Dept.	Health Service	Ambulance Trust	L.P.G. Eg. Cell.	Mutual Aid Agency	Collector / Dy. Collector/ Mamlatdar	Police Dept.
1.	Margao Fire Station	2722181	2720924	2722164 2722722	2730953	2720462	--	2705333 2714907	2705095 2714450 100
2.	Curchorem Fire Station	2604229 2650207	2650501	2604235 2650566	--	2312604	--	2604232 2662228 2662241	2650568 2604233
3.	Canacona Fire Station	2633355	2643331 2643333	2643339	--	2643353	--	2643329	2643357
4.	Verna Fire Station	2783320	2783556 2783456	--	102/ 2782325	--	--	--	2782325

C) CENTRAL FIRE STATION PONDA

Sl. No.	Name of Fire Station	Water Supply	Elect. Dept.	Health Service	Ambulance Trust	L.P.G. Eg. Cell.	Mutual Aid Agny.	Collector / Dy. Collector/ Mamlatdar	Police Dept.
1.	Ponda Fire Station	2312044	2312190	2312116	--	2312604	--	2312469 2312136	2313101
2.	Old-Goa Fire Station	2286110	2285797	2286334	2286271	2288142 2218572	--	--	2285301
3.	Bicholim Fire Station	2362300	2362034	2362050	2362282	2362057	2362233	2362058 2363886	2362233
4.	Valpoi Fire Station	2374224	2374244	2374260	2374426	2374255	--	2374222 2374246	2374255
5.	Kundaim Fire Station	2312044	2395249	2312116	--	2312604	--	2312469 2312136	2313101

PROVISION OF RE - INFORCEMENT

A) DISTRICT FIRE STATION PANAJI

Sl. No.	Name of Fire Station	From Fire Stations	Distance (Kms)
1.	Fire Station Panaji	Old-Goa Fire Station	13
		Mapusa Fire Station	16
2.	Fire Station Mapusa	Fire Headquarters	16
		Pernem Fire Station	18
		Bicholim Fire Station	21
3.	Fire Station Pernem	Mapusa Fire Station	18
		Bicholim Fire Station	36
4.	Fire Station Vasco	District Fire Station(South) Margao	32
		Ponda Fire Station	35
		Old Goa Fire Station	25
		Verna Fire Station	17

B) DISTRICT FIRE STATION MARGAO

Sl. No.	Name of Fire Station	From Fire Stations	Distance (Kms)
1.	Fire Station Margao	Canacona Fire Station	36
		Ponda Fire Station	21
		Curcholem Fire Station	24
		Verna Fire Station	14
2.	Fire Station Curcholem	Fire Station Margao	22
		Ponda Fire Station	25
		Canacona Fire Station	45
3.	Fire Station Canacona	Fire Station Margao	36
		Curcholem Fire Station	45
4.	Fire Station Verna	Old-Goa Fire Station	17
		Margao Fire Station	14
		Ponda Fire Station	26
		Vasco Fire Station	17

C) CENTRAL FIRE STATION PONDA

Sl. No.	Name of Fire Station	From Fire Stations	Distance (Kms)
1.	Ponda Fire Station	Old-Goa Fire Station Curchorem Fire Station Valpoi Fire Station	19 25 32
2.	Old-Goa Fire Station	Fire Headquarters Ponda Fire Station Verna Fire Station	13 19 17
3.	Bicholim Fire Station	Mapusa Fire Station Valpoi Fire Station	21 24
4.	Valpoi Fire Station	Bicholim Fire Station Ponda Fire Station	24 32
5.	Kundaim Fire Station	Ponda Fire Station Old-Goa Fire Station Fire Force Headquarters	09 09 23

FIRE HAZARDOUS PLACES

A) DISTRICT FIRE STATION PANAJI

Name of Station	IND L.E	RD Km	OTF	RD Km	LPG GD	RD Km	SAW Mil.	RD Km	TH R	RD Km	HRB	RD Km	EXP GD.	RD Km	HTL	RD Km	PP	RD Km	MKT	RD Km
Panaji Fire Station	--	--	--	--	3	--	--	--	3	--	167	--	--	--	10	--	6	--	1	--
Mapusa Fire Station	3	10	--	--	5	9	6	10	2	1	35	4	--	1	4	4	13	12	2	9
Pernem Fire Station	1	3.5	--	--	3	10	3	14	1	0.5	--	--	--	--	--	--	3	16	1	0
Vasco Fire Station	2	8	3	10	4	3	2	3	2	3	45	5	1	--	6	5	8	10	2	2

B) DISTRICT FIRE STATION MARGAO

Name of Station	IND L.E	RD Km	OTF	RD Km	LPG GD	RD Km	SAW Mil.	RD Km	TH R	RD Km	HRB	RD Km	EXP GD.	RD Km	HTL	RD Km	PP	RD Km	MKT	RD Km
Margao Fire Station	3	14	2	14	5	9	22	10	4	14	115	5	1	2	6	20	8	14	3	14
Curchorem Fire Station	1	3	--	--	2	9	6	6	1	0.5	--	--	--	--	--	--	6	7	3	7
Canacona Fire Station	1	3	--	--	1	4	2	10	1	3	--	--	--	--	01	05	3	24	1	3
Verna Fire Station	1	2	--	--	1	4	--	--	--	--	--	--	--	--	--	--	5	5	2	4

C) CENTRAL FIRE STATION PONDA

Name of Station	IND L.E	RD Km	OTF	RD Km	LPG GD	RD Km	SAW Mil.	RD Km	TH R	RD Km	HRB	RD Km	EXP GD.	RD Km	HTL	RD Km	PP	RD Km	MKT	RD Km
Ponda Fire Station	3	10	--	--	2	10	10	--	3	15	23	--	--	--	3	2	6	12	5	15
Old-Goa Fire Station	1	2	--	--	1	12	3	6	1	8	--	--	--	--	4	6	2	3	3	10
Bicholim Fire Station	1	2	--	--	2	9	2	--	2	8	--	--	1	24	1	--	8	8	2	--
Valpoi Fire Station	2	14	--	--	1	14	2	12	1	5	--	--	--	--	--	--	2	12	1	1
Kundaim Fire Station	1	2	--	--	1	3	3	4	--	--	--	--	--	--	--	--	4	4	1	--

Note:

1. INDLE	=	Industrial Estate	6. HRB	=	High Rise Building
2. OTF	=	Oil Tank Farm	7. HTL	=	Hotel
3. LPGGD	=	Liquefied Petroleum Gas Godown	8. PP	=	Petrol Pump
4. EXP.GD	=	Explosive Godown	9. MKT	=	Market
5. THR	=	Theatre	10. RD	=	Radius
			11. SM	=	Saw Mill

WATER SOURCES

A) DISTRICT FIRE STATION PANAJI

SL. No.	Name of Fire Station	F.H	OHR	CAP.	GLR	CAP.	WELL	CAP.	OWS	CAP.
1.	Panaji Fire Station	1	1	100m ³	2	125 m ³	--	--	--	--
2.	Mapusa Fire Station	13	1	20m ³	1	60 m ³	--	--	--	--
3.	Pernem Fire Station	7	1	50m ³	--	--	--	--	--	--
4.	Vasco Fire Station	2	1	20m ³	2	60 m ³	--	--	--	--

B) DISTRICT FIRE STATION MARGAO

SL. No.	Name of Fire Station	F.H	OHR	CAP.	GLR	CAP.	WELL	CAP.	OWS	CAP.
1.	Fire Station Margao	16	3	300m ³	1	500 m ³	--	--	2	--
2.	Curcholem Fire Station	15	1	50 m ³	1	50 m ³	--	--	3	--
3.	Canacona Fire Station	5	1	50 m ³	--	--	--	--	--	--
4.	Verna Fire Station	40	3	200 m ³	2	800 m ³	--	--	06	400 m ³

C) CENTRAL FIRE STATION PONDA

SL. No.	Name of Fire Station	F.H	OHR	CAP.	GLR	CAP.	WELL	CAP.	OWS	CAP.
1.	Ponda Fire Station	5	1	20 m ³	--	--	--	--	--	--
2.	Old-Goa Fire Station	2	2	65m ³	--	--	--	--	--	--
3.	Bicholim Fire Station	19	3	550m ³	3	350 m ³	--	--	1	12 MLD
4.	Valpoi Fire Station	11	5	1350m ³	5	1200 m ³	--	--	--	--
5.	Kundaim Fire Station	23	2	210m ³	4	2250 m ³	--	--	2	600 m ³

Note:

- | | |
|---------------------------------|------------------------------|
| 1. FH. = Fire Hydrants | 4. OWS = Other Water Sources |
| 2. OHR = Over Head Reservoir | 5. CAP = Capacity |
| 3. GLR = Ground Level Reservoir | |

DETAILS OF WATER SOURCES

A) DISTRICT FIRE STATION PANAJI

Name of Fire Station	F.H.	Place	OHR	CAP	Place	GLR	CAP	PLACE	OWS	CAP	PLACE
Panaji Fire Station	1	Fire Station	1	100m ³	PWD Altinho Panaji	2	100m ³ 25 m ³	Fire Station	--	--	--
Mapusa Fire Station	4	Indust. Estate Mapusa	--	--	--	--	--	--	--	--	--
	8	Indust. Estate Thivim	--	--	--	1	800 m ³	PWD Dattawadi Mapusa	1	151.2 MLD	Assonora
	1	Fire Station	--	--	--	--	--	--	--	--	--
Pernem Fire Station	7	Indust. Estate Tuyem	--	--	--	1	50 m ³	Indust. Estate Tuyem	1	38MLD	Chandel
Vasco Fire Station	--	--	1	150m ³	PWD Mangor	1 1 1	800 m ³ 300 m ³ 800 m ³	Mangor Estate Maria Cortalim Vasco Rd Near Sancoale Cont. Room	--	--	--

B) DISTRICT FIRE STATION MARGAO

Name of Fire Station	F.H.	Place	OHR	CAP	Place	GLR	CAP	PLACE	OWS	CAP	PLACE
Margao Fire Station	--	--	--	--	--	1	500 m ³	Mangor Hill Margao	1 1	--	Housing Board Aquem At. Junta Qrts. Pajifond
	12	Indus. Estate Cuncolim	1	100 m ³	Indust. Estate Cuncolim	--	--	--	--	--	--
	2	Indust. Estate Margao	--	100 m ³	Indust. Estate Margao	--	--	--	--	--	--
	1	Margao Fire Station	--	--	--	--	--	--	--	--	--
	1	Margao Police Station	--	--	--	--	--	--	--	--	--
Verna Fire Station	40	Verna Indust. Estate	3	200 m ³	Verna Indust. Estate	2	800 m ³	Verna Indust. Estate	6	400 m ³	Verna Indust. Estate
Canacona Fire Station	1	Near Municipality	1	50 m ³	PWD Indust. Estate	--	--	--	1	16.50 MLD	Canacona
	1	Police Strn.									
	1	Sub-Strn. Elect.									
	1	Forest Gate Bhatpal Ponsule									
Curcholem Fire Station	1	Estate Fire Station	1	50 m ³	Curcholem Industrial Estate	--	--	--	1	380 MLD	Salaulim W.S.S.
	1	Near State Bank of India									
	1	Near Municipality									
	1	Near Railway Station									
	25	Bansai Cacoda Indust. Estate.									

C) CENTRAL FIRE STATION PONDA

Name of Station	F.H	Place	OHR	CAP	Place	GLR	CAP	Place	OWS	CAP	Place
Ponda Fire Station	1	Ponda Fire Station	1	20 m ³	PWD Dag Tisk Ponda	--	--	--	1	90	OPA w.s.s.
	1	Ponda Police Station	--	--	--	--	--	--	--	--	--
Bicholim Fire Station	1	ITI	1	300 m ³	Bordem Kundaim Industrial Estate	--	--	--	1	57.2 MLD	Sanquelim
	1	Bus Stand	1	100 m ³							
	1	Market	1	150 m ³							
	1	Bordem PHE									
	1	Industrial Estate Bicholim									
14											
Valpoi Fire Station	1	Market	1	800 m ³	DABOS	1	300 m ³	IDC Bhuinpal Cudsan Khotodem	1	18.7 MLD	DABOSE
	9	Industrial Estate	1	300 m ³	Bhuinpal	1	300 m ³				
		Honda	1	150 m ³	Valpoi	1	300 m ³				
				1	100 m ³	IDC Honda	1				
Old-Goa Fire Station	2	Industrial Estate Corlim	1	50 m ³	ICAR Industrial Estate Corlim	--	--	--	--	--	--
			1	15 m ³							
Kundaim Fire Station	23	Industrial Estate Kundaim	2	200 m ³ 10 m ³	Industrial Estate Kundaim	4	600m ³ 800m ³ 800m ² 50 m ³	Near HPCL Near IDC Near IDC Pump House Fire Station			

MUTUAL AID AGENCIES

A) DISTRICT FIRE STATION PANAJI

Sl. No.	Name of Agency	Fire Stations	Appliances WT BA CFT			Equipments	Fire Personnel
1.	Syngenta India Ltd. Santa Monica Works, Corlim, Ilhas, Goa.	1	1	--	--	Potable Fire Extinguishers, Trolley Mounted Fire Extinguishers, B. A. Sets and Foam Compound	17

B) DISTRICT FIRE STATION MARGAO

Sl. No.	Name of Agency	Fire Stations	Appliances WT BA CFT			Equipments	Fire Personnel
1.	M.P.T. Fire Services Mormugoa Harbour	2	2	--	--	As per Port Requirement	60
2.	Navy (NAD)	3	4	--	4	As per Defence Standards	As per Defence Standards
3.	Zuari Industries Ltd. Zuari Nagar	1	1	1	--	Chemical Suits, Fire Extinguishers, B.A. Sets and Foam Compound	28

KEY PERSONNEL CHART

Sl. No.	Designation	Function	Area	Telephone Numbers		
				Office	Mobile	Residence
1.	Director	Chief Fire Controller	Goa State	2225500 2227616	9763717044	2461666
2.	Deputy Director	Deputy Chief Fire Controller	Goa State	----	----	----
3.	Divisional Fire Officer	Assistant Chief Fire Controller	Goa State	2225500 2423101 2425101	----	
4.	(i) Assistant Divisional Officer District Fire Station Panaji	Sub Division Fire Controller	District Fire Station Panaji	2225500 2425101	9763717051	---
	(ii) Assistant Divisional Officer District Fire Station Margao	Sub Division Fire Controller	District Fire Station Margao	2714600	9763717046	---
	(iii) Assistant Divisional Officer Central Fire Station Ponda	Sub Division Fire Controller	Central Fire Station	2312044	---	---
5.	Station Fire Officer/Officer in charge of various Fire Stations	Incident Control Officers	Fire Station Area	As per Annexure – I		

ANNEXURE – I

FIRE CONTROL ROOM	PERSON TO BE CONTACTED		TELEPHONE NUMBERS			
	NAME	DESIGNATION	TELEPHONE	MOBILE	FAX	RESIDENCE
Directorate of Fire & Emergency Services	Shri Ashok Menon	Director	2225500 2227616	9763717044	2226100	2461666
Directorate of Fire & Emergency Services	----	Deputy Director	---	---	---	---
Directorate of Fire & Emergency Services	----	Divisional Officer	---	---	---	---
District Fire Station Panaji	Shri R.A. Haldankar	Asst. Divisional Officer	2225500 / 2425101 / 2423101	9763717051	2225500	---
District Fire Station Margao	Shri P. M. Parab	Asst. Divisional Officer	2714600 / 2715825 / 101	9763717046	2714600 2715825	---
Central Fire Station Ponda	Shri D.D. Redkar	Senior Station Fire Officer	2312044 / 2315863 / 2311244	9763717049	2312044	2257538
Fire Force HQ, Panaji	Shri R.A. Haldankar	Asst. Divisional Officer	2225500 / 2425101 / 2423101	9763717051	2225500	---
Fire Station Mapusa	Shri N. V. Raikar	Asst. Divisional Officer	2262900 / 2263354	9763717052	2262900	2287145
Fire Station, Panaji	Shri H.D. Naik	Station Fire Officer	2225500 / 2425101 / 2423101	9763717059	2225500	2258121
Fire Station Mapusa	Shri P.U. Vaigankar	Officer-in-charge	2262900 / 2263354	9763717052	2262900	2287145

Fire Station Pernem	Shri Gopal B. Shetye	Station Fire Officer	2201393 / 2201201 / 2201380	9763717055	2201201	2258121
Fire Station Vasco	Shri M. B. A. Ferrao	Station Fire Officer	2513840 / 2519068	9763717054	2513840	2402028
Fire Station Ponda	Shri Francisco Mendes	Station Fire Officer	2312044 / 2315863	9763717056	2312044 2315863 2311244	2701659
Fire Station Bicholim	Shri L.S. Naik	Station Fire Officer	2362100 / 2361397	9763717061	2362100	2389139
Fire Station Valpoi	Shri Laxman V. Majik	Station Fire Officer	2374444	9763717062	237444	2369340
Fire Station Old Goa	Shri Michael Braganza	Sub Officer	2285344	9763717063	2285344	2443437
Fire Station Kundaim	Shri Shripad G. Gawas	Station Fire Officer	2395455	9763717047	2395455	----
Fire Station Margao	Shri H.G. Souza	Station Fire Officer	2714600 / 2715825	9763717050	2714600	2313822
Fire Station Curchorem	Shri H. G. Souza (Addl. Charge)	Station Fire Officer	2650307 / 2605345	9763717057	2650307	2787779
Fire Station Verna	Shri Sadguru V. Palni	Station Fire Officer	2287085 / 2887122	9763717060	2887085	-----
Fire Station Canacona	Shri K.S. Amonkar	Station Fire Officer	2633500 / 2633311	9763717058	2633311	2386314

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