

Village Disaster Management Plan

HISAR



Government Of Haryana
Department of Revenue & Disaster Management



Dhad
2015-16



HARYANA INSTITUTE OF PUBLIC ADMINISTRATION

Plot 76, HIPA Complex, Sector 18, Gurgaon

Village Disaster Management Plan, Dhad, Block Barwala, Hisar

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Chapter 1: Situational Analysis of Village

1.1. Introduction

Village Profile: - a) Description of village

Village Rajli is situated 6 KM from Barwala to Hansi Road, which is 26 KM away from Hansi and 16 KM away from Barwala. Total population of village is 8089 with a literacy rate of 59%.

b) Village at a glance as under

Name of Village	Dhad
Name of Patwari	Sh. Satish
Name of Village Secretary	Deepak Vatas
Contact No. of Village Secretary	9992695999
Name of Panchayat	Dhad
Name of Sarpanch	Asan Kumar
Contact No. of Sarpanch	9728849407
Name of Block	Barwala
Name of Teshil	--do--
Name of Police Post/Station	Barwala
No. Of house holds	560
Hospitals	--
Schools	Govt. 01, Pvt. 02
Industries	Nil
Religious Institutions	02 Mandir

1.2. Population :-

<i>Description</i>	<i>Person</i>	<i>Male</i>	<i>Female</i>
Total Population	3001	1635	1366
Children	390	206	184
People with disabilities	98	43	55
Elderly/aged	375	210	165
Those who dependent upon specific medication for survival	15	7	8
Transgender	--	--	--

1.3. Temperature and rainfall

The climate is Semiarid and hot which is mainly dry with very hot summer and cold winter except during monsoon. Here experience extreme temperature ranges 4.4-40.6 degree centigrade with severe cold in month of December & January and the month of May & June are of bitter summer. The annual average rainfall in the village is 56.5 mm. About 70 per cent of the annual rainfall is received during period from July to September.

1.4. Agricultural Land and Cropping Pattern

The total agricultural land is 2325 Acers. Wheat, rice, jowar, bajra, cotton are major crops grown in the village.

Cropping Pattern at Village						
<i>Sr. No.</i>	<i>Types of Crops cultivated</i>	<i>Area cultivated (Acres)</i>	<i>Duration of Month</i>	<i>Area under Crop Insurance (Yes/No)</i>	<i>Stock facilities (Yes/No)</i>	<i>Others</i>
1	Wheat	1900	Nov-April	--	--	--
2	Rice	600	June-Oct	--	--	--
3	Cotton	700	May-Oct	--	--	--
4	Bajra	250	Oct-April	--	--	--

1.5. Drinking Water

The main source of drinking water located within premises of Village and supply of drinking water in village as per below:-

<i>Rivers/canal</i>	<i>Tanks/pond</i>	<i>Tube wells</i>	<i>Covered Wells</i>	<i>Uncovered Wells</i>	<i>Hand pumps</i>	<i>Water Supply by PHED</i>
1 canal	--	Yes	--	--	Yes	Yes

1.6. Educational Institutions and Literacy Rate

Literacy rate of village is 56.34 percent. There is only one middle Government school in the village where children get their education. For further studies children have to go to Barwala or Hisar.

1.7. Roads and Transport

Condition of road is not so good within the village. Road from Dhad to Hisar is in bad shape. For commuting, people prefer motorcycles and govt. bus service.

Infrastructure details

Infrastructural Details at Village				
<i>Sr.</i>	<i>Facilities</i>	<i>Number</i>	<i>Contact Person</i>	<i>Contact Number</i>
1	PHC	01	Dr. Sunny	7404321866
2	CHC	--	--	--
3	Medical Shop	--	--	--
4	Anganwadi centre	02	Krishna	8607272438
5	ANM	1	Promila	7027829885
6	ASHA workers	3	Rekha	7027828517
7	Pvt. Hospital	--	--	--
8	Pvt. Doctors	1	Kuldeep Singh	9812303901
9	Veterinary doctors	-	--	--
10	Veterinary practitioners	--	--	--
11	Medical practitioners	1	Kuldeep Singh	9812303901
12	Religious Institution	1	Om Nath	8529481132
1	Govt. Primary Schools	1	Balraj	9991771482
Others Details of Village				
			<i>Depend upon</i>	
1	Literacy Rate	56.34%	Middle School	
2	Education	Primary , Middle	Middle School	
3	Economy of Village		Agriculture and allied activities	
4	BPL Family		130, MNREGA	
Household Details				
1	Total House Hold		560	
2	Kucha		3	
3	pucca		399	
4	Semi pucca		160	
5	Other critical ESTABLISHMENTS		--	

Chapter 2: Hazard, Risk, Vulnerability, Capacity Assessment

2.1 Hazard: The Hazard Profile of the Village

<i>Hazards (in and around the village)</i>	<i>Hazard Probability (High / Med / Low)</i>	<i>Possible causes</i>
Road Accidents	Low	Far from main road
Flood	High	Rain & low laying area and flood prone village
Earthquake	Medium	As per risk Zonation
Building collapse	Low	No critical building in the village
Epidemic / Contagious disease	Medium	Very hygienic conditions
Fire	High	Short circuit, Fire in field, Crop Fire in summer
Heat Wave	Medium	Summer Season
Cold Wave	Medium	Winters Season
Industrial / Chemical hazard	Low	No industry
Stampede	Low	No such condition

2.2 Vulnerability Analysis

Vulnerable groups in the village – to different hazards				
<i>Sr.</i>	<i>Name of Hazards</i>	<i>Vulnerable Area</i>	<i>Vulneable Groups</i>	<i>Facilities Affected</i>
1	Flood	Some site of Village is in low laying area.	1.Old Age,(390) 2.Children below age 06-983 3.Women 1366 4.Sick Persons, 53 5.Below Poverty Line 1510	1.Drainage , 2.Electricity, 3.Drinking water, 4.Road 5.Communication, 6.Govt Property, 7.Ariculture 8.Animal Losses
2	Fire	Filed Area	Farmers and their dependents	1.Electricity, 2.Crop Damage

3	Epidemics	Flood affected area and nearby	All community of village can be	Medical facilities, transport
4	Snake bite	Flood affected area and nearby	All community of village can be	Medical Facilities, transport
5	Hailstorm		Low possibility	
6	Pest Attack	Agriculture area	Can be in crops.	Crop Failure
7	Heat Wave		Village population	Medical Facilities
8	Cold Wave		Village population	Medical Facilities
9	Road Accidents		Nil	
Other Vulnerabilities (Impacts)				
1	Social Vulnerabilities	Culture of Village can be affected	Living Pattern, Dress, Food Habits and the employment kind of village will be changed if hazard occurs	
2	Political Vulnerabilities	Political System also affect	Group Clashes, Clashes on Compensation, other interference of local group or parties.	

<i>Details</i>	<i>No. of Household</i>
Household (HH) in low lying areas	560
HH with poorly constructed houses	27
Old aged population (above 65 age)	375
Children below (0-6 age)	390
Women headed households	256
BPL population	390
Landless HH	390
HH (Low income group)	--do--

2.3 Risk Analysis

<i>Severity</i>	<i>Hazard</i>	<i>Elements at Risk</i>	<i>Vulnerable Areas</i>
High Risk Hazards	Earthquake	Human life, cattle life, public infrastructure, environment, etc.	Entire village falls in EQ Zone- IV i.e. high damage risk zone.
	Fires	Human Loss, cattle life, agricultural produce, kutcha houses, industries, etc.	Agricultural Land
	Floods	Human life, cattle life, crop life, property and public infrastructure.	Entire Village
	Road Accidents	People travelling on roof/ inside buses. on national Highways, state Highways and other district. Cattle and other animals.	Entire Village
Medium Risk Hazards	Extreme Temperature	Human life, Cattle population, Crops, transportation activities.	Entire Village
Low risk Hazards	Drought	Human Life, crop life, Cattle life,	Entire village is prone to drought like condition. Ground water depletion is maximum as tube wells remain the alternate source of water.
	Frost Thunder storm Hailstorm	Crop, cattle life Human life, crop , Cattle life, Public infrastructure	People with poor housing conditions in the village.

2.4 Community Resources

Name of Facilities	Community Resources		
<i>Particulars</i>	<i>Total no.</i>	<i>Contact Person and Telephone Number</i>	<i>Distance from the Village</i>
Hospital	Civil Hospital Barwala	01693-242071	12 Km
Public health centre	1	Sunny Mahotra	4 KM

		7404321866	
Dispensaries	1	Sunny Mahotra 7404321866	4 KM
Veterinary Hospital	--	---	---
Private Hospital	1	Barwala	12KM
OPD Facility	1	CHC Barwala 01693-242071	12KM
X Ray Facility	1	CHC Barwala 01693-242071	12KM
Ambulance service	1	Sunny Mahotra 7404321866	4 KM
Medicine Shop	1	Sunny Mahotra 7404321866	4 KM

Chapter 3: Mitigation & Preparedness Plan

This chapter will include:

3.1. Standard Operating Procedures

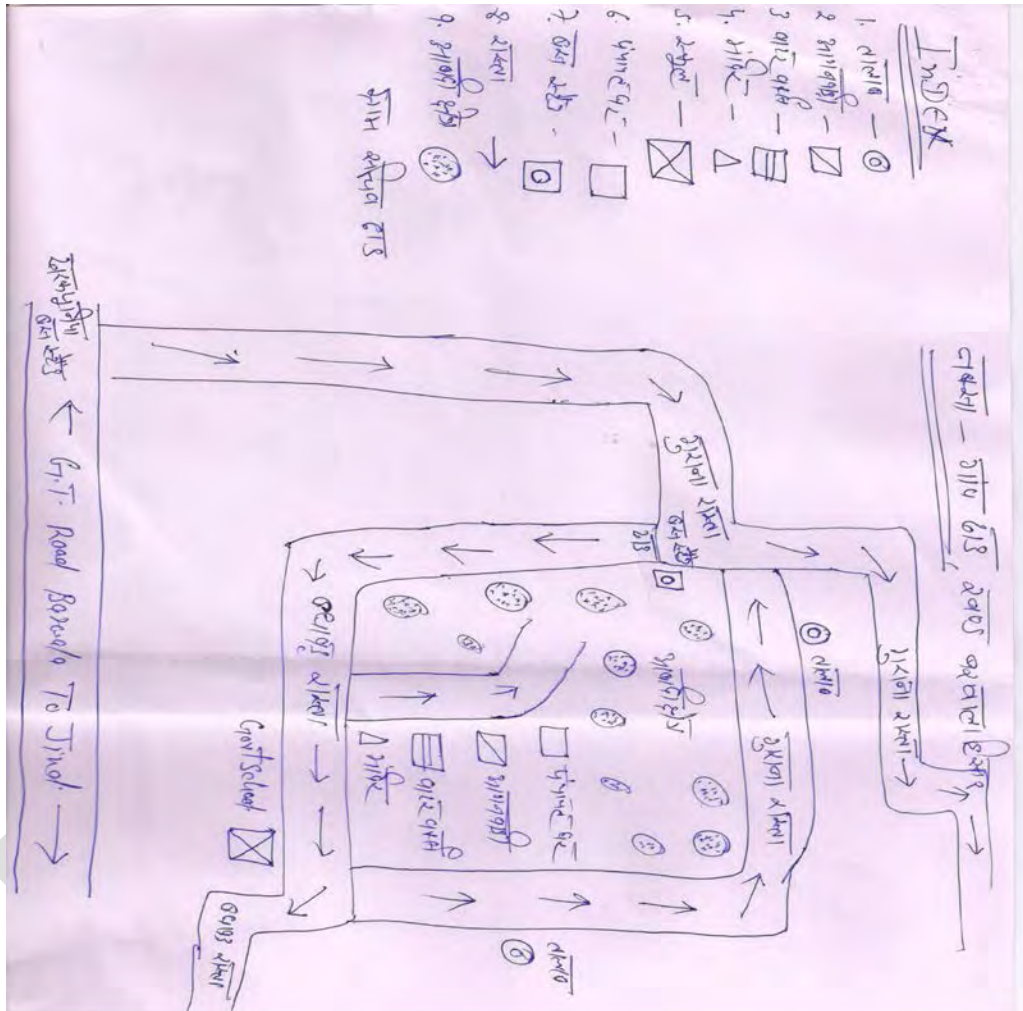
The teams formed in the previous chapter, their SOPs shall be listed down here. For eg:

- 3.1.1. Early Warning & Information Dissemination Team
 - Communicate the information.....
 - Update contact details of local resources/ offices, etc...
- 3.1.2. First Aid Team
 - Maintain list of pregnant women, infants, people with special medical needs, etc..
 - Keeping First-Aid box with disinfectants, antiseptics, ORS, etc.
- 3.1.3. Carcass Disposal Team
 - Stocking kerosene and fuel for disposal of carcass.
 - Maintaining storage of sackcloth to cover dead bodies of animals.
 - Proper spray of disinfectants (eg: DDT) to keep the air clean
 -
- 3.1.4. Evacuation Team
 - Keeping evacuation map of the village with them
 - Knowing the way of evacuation from the village
 - Identifying safe evacuation routes, places, assembly points in and around the village
- 3.1.5. Damage Assessment Team
 - Help in forecasting damages including lives lost and losses to property and assets such as houses, livestock, agriculture, plantation, etc.
 - Sensitizing families of village to keep their important documents safe, and in emergency kit.
 -
- 3.1.6. Reconstruction & Rehabilitation Team
 - Get purified water sources in village
 - Prepare reconstruction and rehabilitation plan for vulnerable groups/areas in the village
 -

3.2. Identify Safe Evacuation Routes

- Selection of evacuation route that minimize the exposure to the hazard and other obstacles
- Evacuation route to be easily accessible even for vulnerable groups such as, women, children, and elderly.

Evacuation Map of the village



3.3. Community level Mitigation Programme

Include hazard specific mitigation measures and schemes running in the village

3.3.1. Flood Mitigation

- Construction of flood shelter
- Drainage channels to be cleared
- Construction of raised platforms near important/ vulnerable areas, such as school, shelter of animals, gaushalas, etc.
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3.3.2. Earthquake Mitigation

- Detailed survey of buildings for assessment of damage and repair/reconstruction and seismic strengthening or demolition

- Training the local masons for constructing earthquake resistant structures
- Conducting mock drills in villages for evacuation during an earthquake
- Fix all objects in houses that can fall and cause injury (non structural mitigation....)
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3.3.3. Drought Mitigation

- Continuous drought monitoring through rainfall situation, water availability in reservoirs, rivers, canals, etc. and comparing with existing water needs of society.
- Water conservation through rainwater harvesting in houses and farmers' fields
- Allowing runoff water from all fields to a common point (eg: pond) or allowing it to infiltrate in the soil where it has fallen
- Generating awareness among the village people on implementing water conservation and agriculture awareness programs through television, pamphlets, nukkad natak, etc.
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3.4. Schemes & Disaster Mitigation

The following schemes/ projects are running in the village and segregate them relevant to Mitigation and Preparedness measures :-

- NREGA(for flood protection works in the village
- IAY(earthquake resistance building also protecting from cold and heat waves)
- Pradhan Mantri Gram Sadak Yojana(for prompt response and resource mobilization)
- Rural Water Supply Programme
- Total Sanitation Campaign(preventing epidemic like situation)
- Rural Connectivity Programme(economic development of agriculture sector and allied activities in the villages)

Chapter 4: Response Plan

3.1 Village Disaster Management Committee :- to carry out disaster management activities i.e. village disaster management plan, **training** and awareness activities, identification of resources and search & rescue activity at village level conducted by Village Disaster Management Committee. The following is the list of committee members:-

Village Disaster Management Committee

Sr. No.	Name	Designation	Name	Contact No.
i.	Sarpanch	Chairman	Asan	9128849407
ii.	Village Secy	Nodal Officer	Deepak	9992695999
iii.	Patwari	Member	Satish	9996130047
iv.	Numberdar	Member	Sukhpal	9996125350
v.	SC Panch	Member	Naresh	9812683639
vi.	BC Panch	Member	Modin	9728182505
vii.	Women (Mahila) Panch	Member	Reena	9540721236
viii.	Anganwadi Worker	Member	Krishana	8607272438
ix.	SHG Heads	Member	--	--
x.	School Representatives	Member	Balraj	9991771482
xi.	Ex-servicemen	Member	Krishan	8901070068

1. Village Secretary is Nodal Officer for Disaster Management plan of respective village
2. VDMC will conduct meetings/ Gram Sabha for planning for Disaster Management Teams, HRVC and mitigation issues, preparedness issue, relief distribution sites, and rehabilitation plans other plan related issues.
3. Village Secy has prepared document the plan and VDMC has been approved the plan and submit it to the BDPO Office.
4. BDPO should make a copy of the plan and submit it to ADC Office after Compilation of the plans.
5. RO along with BDPO has conducted training program along with officers/ trainers from Fire Department/ Red Cross/ Revenue department/ civil defence.

3.2 Administrative control

<i>Designation</i>	<i>Contact Number</i>	<i>Contact Address</i>
Deputy Commissioner	232045, 233928	Hisar
SP	01662-232307	Hisar
ADC	232692, 241035,	Hisar
SDM	01693-242211	Barwala
ADO	9416270834	Subsah Lohan
BDPO	9996215203	Ramesh Saini
Police Officer SHO	100	Barwala
Village Secretary	9992695999	Deepak Vats
Gram Pradhan	9728849407	Ashan Kumar
BEO	01693-242269	Barwala
Fire Officer	244300	Barwala
SMO	01662-278917	Hisar

3.3 Members of Village Disaster Management Teams (VDMT)

S. No.	Name	Designation	Contact Number	Contact Address
Early Warning and Information Dissemination Team				
1	Asan Kumar	Sarpanch	9728849407	VPO Dhad
2	Sathish Kumar	Patwari	9996130047	Dhad
3	Deepak Vats	Sachive	9992695999	BDPO Office
4	Om Nath	Pujari	8529481132	Dhad
Evacuation Team				
1	Krishan Kumar	Ex Serviceman	8901070068	Dhad
2	Virender	Youth Club	9416260513	Dhad
3	Jai vir	Panch	9812715455	Dhad
4	Anita	Panch	9466204504	Dhad
Search and Rescue Team				
1	Krishan Kumar	Ex Serviceman	8901070068	Dhad
2	Virender	Youth Club	9416260513	Dhad
3	Jai vir	Panch	9812715455	Dhad
4	Anita	Panch	9466204504	Dhad
5	Kuldeep Singh	Youth Club	9812629043	Dhad

First Aid Team				
1	Promila	ANM	7027829885	Dhad
2	Anil	Assha	7027828515	Dhad
3	Kuldeep	RMP	9812303901	Dhad
4	Raghubir	M.S.	9728069079	Dhad
5				
Relief Management Team				
1	Asan Kumar	Sarpanch	9728849407	VPO Dhad
2	Sathish Kumar	Patwari	9996130047	Dhad
3	Deepak Vats	Sachive	9992695999	BDPO Office
Sanitation Team				
1	Samjay	Water supply	8529686536	Dhad
2	Mahender	Sweeper	9728469406	Dhad
Shelter Management Team				
1	Asan Kumar	Sarpanch	9728849407	VPO Dhad
2	Balaraj	H. Master	9991771482	Dhad
3	Virender	Youth Club	9416260513	Dhad
Carcass Disposal Team				
1	Mahender	Sweeper	9728469406	Dhad
Damage & Need Assessment Team				
1	Asan Kumar	Sarpanch	9728849407	VPO Dhad
2	Sathish Kumar	Patwari	9996130047	Dhad
3	Deepak Vats	Sachive	9992695999	BDPO Office
Rehabilitation & Reconstruction Team				
1	Asan Kumar	Sarpanch	9728849407	VPO Dhad
2	Sathish Kumar	Patwari	9996130047	Dhad
3	Deepak Vats	Sachive	9992695999	BDPO Office

3.4 Contact Details of Emergency Resource Owners/ Practitioners [Private], elected Panches in the Village Panchayat:

No.	Name	Practise/Resource	Telephone No.	Mobile No.
1	Ramesh	JCB	--	9728194504
2	Pawan Kumar	Tractor		9812421901
3	Subash	Pick up	--	9991023491

3.5 Village level Skilled persons

Name	Expertise	Address	Telephone #
Shamsher	Mason	Dhad	9992162744
Vinod	Carpanter	Dhad	8059311766
Krishan	Ex Serviceman	Dhad	8901070068
Jagdip	Swimmer	Dhad	9812618753
Zuldip Singh	Sports Man	Dhad	8295736316

Chapter 5: Contact details & Updation Mechanism

5.1. Updation Mechanism

- Discussed with the village people about whose responsibility is it to update the plan.
- the VDMP will be updated regularly.
- It should be taken care that the VDMP should be simple otherwise it will not be understood, and disseminated else it will not reach the needful.
- The VDMP should be revised regularly otherwise it will not be up to date.