

Village Disaster Management Plan

HISAR



Government Of Haryana
Department of Revenue & Disaster Management



Kharkra
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HARYANA INSTITUTE OF PUBLIC ADMINISTRATION

Plot 76, HIPA Complex, Sector 18, Gurgaon

Village Disaster Management Plan, Kharkra, Barwala, Hisar

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Chapter 1: Situational Analysis of Village

1.1. Introduction

Village Profile: - a) Description of village Kharkra village is situated 10 KM from Barwala and 35 KM from District Headquarter with a number of 827 house holds.

b) Village at a glance as under

Name of Village	Kharkra
Name of Patwari	Ram Singh
Name of Village Secretary	Dinesh Kumar
Contact No. of Village Secretary	94662-48354
Name of Panchayat	Kharkra
Name of Sarpanch	Raj Kumar
Contact No. of Sarpanch	8059095800
Name of Block	Barwala
Name of Teshil	Barwala
Name of Police Post/Station	Barwala
No. Of house holds	827
Hospitals	Nil
Schools	2 (1 Govt. and 1 Pvt.)
Industries	No
Religious Institutions	3

1.2. Population :-

<i>Description</i>	<i>Person</i>	<i>Male</i>	<i>Female</i>
Total Population	4143	2195	1948
Children	619	345	274
People with disabilities	22	12	10
Elderly/aged	216	112	104
Those who dependent upon specific medication for survival	15	7	8
Transgender	No	No	No

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 5.5-41.6 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 58.5 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 3692 acres. Wheat, rice, jowar, bajra 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>
	Wheat	2851	3/15	No	No	No
	Rice	2510	9/15	No	No	No
	Cotton	955				
	Bajra	--				

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	4	6	-	6	Yes	1

1.6. Educational Institutions and Literacy Rate

Literacy rate of village is 56 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.

1.7. Roads and Transport

Condition of road is not so good within the village. Road from Kharkra to Barwala is in bad shape. For commuting, people prefer autorikshaws and private bus service.

1.8. 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	No	No	No
2	CHC	No	No	No
3	Medical Shop	No	No	No
4	Anganwadi centre	5	Nirmala	9467742975
5	ANM	1	Jugni Devi	7027829874
6	ASHA workers	4	Kanta	7027829684
7	Pvt. Hospital	No	No	No
8	Pvt. Doctors	1	Man Chanda	9813243920
9	Veterinary doctors	1	Sukhpal	9416624882
10	Veterinary practitioners	No	No	No
11	Medical practitioners	6	Man Chanda	9813243920
12	Religious Institution	1		
1	Govt. Primary Schools	1	Sharvan Kumar	8295722555
Others Details of Village				
			<i>Depend upon</i>	
1	Literacy Rate		56.34	
2	Education Primary		High School	
3	Economy of Village		Agriculture	
4	BPL Family		410	
Household Details				
1	Total House Hold		827	
2	Kucha		15	
3	pucca		420	
4	Semi pucca		392	
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	Med	Due to bad shape of roads
Flood	Med	Flood zone
Earthquake	Med	Medium Risk Zone
Building collapse	Low	No such building
Epidemic / Contagious disease	NY	Due to unhygienic conditions
Fire	High	Short circuit, Fire in field
Heat Wave	Med	summer
Cold Wave	Med	Winters
Industrial / Chemical hazard	Low	No Industry
Stampede	Med	Due to riots or violence

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	All site of Village	1.Old Age,(Mention the numbers) 3001 2.Children below age 12 619 3.Women, 1948 4.Sick Persons, 5.Below Poverty Line 619	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	Houses Nearby Road	Road locations houses	
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	827
HH with poorly constructed houses	38
Old aged population (above 65 age)	22
Children below (0-6 age)	216
Women headed households	1
BPL population	1640
Landless HH	410
HH (Low income group)	1640

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- III i.e. Moderate damage risk zone.
	Fires	Human Loss, cattle life, agricultural produce, kutcha houses, industries, etc.	Agricultural Land
	Road Accidents	People travelling on roof/ inside buses. on national Highways, state Highways and other district. Cattle and other animals.	School and college going student.
	Extreme Temperature	Human life, Cattle population, Crops, transportation activities.	Entire village
Medium Risk Hazards	Floods	Human life, cattle life, crop life, property and public infrastructure.	Low laying area.
	Epidemic	Human Life, animal life	Entire village
	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.
Low risk Hazards	Frost	Crop, cattle life	People with poor housing conditions in the village.
	Thunder storm	Human life, crop , Cattle life, Public infrastructure	
	Hailstorm		
	Terrorist Attack	Crowded places	Bus stops, Malls, Hospitals, Places of Worship, <i>Melas</i> etc 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	1	PHC Dhansu 01662-264852	7KM
Public health centre	1	PHC Dhansu 01662-264852	7KM
Dispensaries	1	PHC Dhansu 01662-264852	7KM
Veterinary Hospital	1	Sukhpal 9416624882	Within village
Private Hospital	1	Agroaha Medical College 245194	22Km
OPD Facility	1	CHC Barwala 01693-242071	12KM
X Ray Facility	1	CHC Barwala 01693-242071	12KM
Ambulance service	1	CHC Barwala 01693-242071	12KM
Medicine Shop	1	CHC Barwala 01693-242071	12KM No medical in the village
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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...
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 -
- 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
 -
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- 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.
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- 3.1.6. Reconstruction & Rehabilitation Team
 - Get purified water sources in village
 - Prepare reconstruction and rehabilitation plan for vulnerable groups/areas in the village
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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

Identify the schemes/ projects running in the village and segregate them relevant to Mitigation and Preparedness measures. For eg:

- NREGA(for flood protection works in the village
- IAY(earthquake resistance(Strong building) 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 suggestive list of committee members:-

Village Disaster Management Committee

Sr. No.	Name	Designation	Name	Contact No.
i.	Sarpanch	Chairman	Raj Kumar	8059095800
ii.	Village Secy	Nodal Officer	Dinesh Kumar	8053733073
iii.	Patwari	Member	Ram Singh	9992401451
iv.	Numberdar	Member	Jiwan Das	9416140700
v.	SC Panch	Member	Raj Kumar	9896767682
vi.	BC Panch	Member		
vii.	Women (Mahila) Punch	Member	Ram Kumar	9812769332
viii.	Anganwadi Worker	Member	Nirmala	9467742975
ix.	SHG Heads	Member		
x.	School Representatives	Member	Ranbir	9728594138
xi.	Ex-servicemen	Member	Shma Nand	9467161161

1. Village Secretary or Patwari should be Nodal Officer for Disaster Management plan of respective village
2. VDMC should conduct meetings/ Gram Sabha for planning for Disaster Management Teams, HRVC and mitigation issues, preparedness issue, relief distribution sites, rehabilitation plans other plan related issues.
3. Village Secy shall document the plan and VDMC shall approve 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 Completion of the plans.
5. Further, Funds may be send to BDPO for conducting capacity building trainings at village level for VDMC and teams under VDMC and send the utilization certificate to this office.
6. RO along with BDPO shall arrange 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		SDO Agri. Office Hisar
BDPO	9996215203	BDPO Office Hisar
Police Officer SHO	01662	Sadar Hisar
Village Secretary	8053733073	BDPO Office Hisar
Gram Pradhan	8059095800	Kharkra
BEO	242269	Barwala
Fire Officer	01693-242031	Barwala
SMO	01662-278917	Barwala

3.3 Members of Village Disaster Management Teams (VDMT)

S. No.	Name	Designation	Contact Number	Contact Address
Early Warning and Information Dissemination Team				
1	Raj Kumar	Sarpanch	8059095800	Kharkra
2	Dinesh Kumar	Village Secy	8053733073	Barwala
3	Ram Singh	Patwari	9992401451	Barwala
Evacuation Team				
1	Jiwan Das	Numberdar	9416140700	Kharkra
2	Raj Kumar	SC Panch	9896767682	Kharkra
3	Ram Kumar	Member	9812769332	Kharkra

4	Nirmala	Member	9467742975	Kharkra
5	Rama Nand	Ex Army	9671611611	Kharkra
Search and Rescue Team				
1	Ram Kumar	Member	9812769332	Kharkra
2	Nirmala	Member	9467742975	Kharkra
3	Jiwan Das	Numberdar	9416140700	Kharkra
4	Raj Kumar	SC Panch	9896767682	Kharkra
5	Rama Nand	Ex Army	9671611611	Kharkra
First Aid Team				
1	Nirmala	Dr.	9467742975	Kharkra
2	Jugni Devi	ANM	7027829874	Kharkra
3	Kanta	Aasha	7027829684	Kharkra
4	Rama Nand	Ex Army	9671611611	Kharkra
Relief Management Team				
1	Ranbir		9728594138	
2	Shma Nand		9467161161	
Sanitation Team				
1	Ram Kumar	Member	9812769332	Kharkra
2	Nirmala	Member	9467742975	Kharkra
Shelter Management Team				
1	Ram Kumar	Member	9812769332	Kharkra
2	Nirmala	Member	9467742975	Kharkra
Carcass Disposal Team				
1	Ram Kumar	Member	9812769332	Kharkra
2	Nirmala	Member	9467742975	Kharkra

Damage & Need Assessment Team				
1	Raj Kumar	Sarpanch	8059095800	Kharkra
2	Dinesh Kumar	Village Secy	8053733073	Kharkra
3	Ram Singh	Patwari	9992401451	Kharkra
Rehabilitation & Reconstruction Team				
1	Raj Kumar	Sarpanch	8059095800	Kharkra
2	Dinesh Kumar	Village Secy	8053733073	Kharkra
3	Ram Singh	Patwari	9992401451	Kharkra

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	Kuldeep	JCB		8053575006
2	Naresh	Tarctor Troli		9729122088
3	Surender	Pick Up		9813798216
4				

3.5 Village level Skilled persons

Name	Expertise	Address	Telephone #
Rama Nand	Ex Army		9671611611
Amar Pal	Sportsman		9996110222

Chapter 5: Contact details & Updation Mechanism

- 5.1.** List out the important personnel whose contact details have to be included in the plan
- The contact details from 'Chapter – 4 Response Plan' will be updated.
- 5.2. Updation Mechanism**
- Discuss with the village people about whose responsibility is it to update the plan.
 - The period in which the VDMP shall 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.