

VILLAGE SAFETY INITIATIVE

By



Revenue and Disaster Management Department

Government of Haryana

VILLAGE DISASTER MANAGEMENT PLAN

Chorpura, Karnal

2015-16



CENTRE FOR DISASTER MANAGEMENT

HARYANA INSTITUTE OF PUBLIC ADMINISTRATION

GURGAON

Village Disaster Management Plan

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Chapter 1: Situational Analysis of Village

1.1. Introduction

Village Profile: - a) Description of village

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b) Village at a glance as under

Name of Village	Chorpura
Name of Patwari	Parveen
Name of Village Secretary	Subhash Secretary
Contact No. of Village Secretary	9729477117
Name of Panchayat	Gram Panchyat Chorpura
Name of Sarpanch	Sushma Devi
Contact No. of Sarpanch	8053460922
Name of Block	Karnal
Name of Teshil	Karnal
Name of Police Post/Station	Indri
No. Of house holds	230
Hospitals	Nil
Schools	1 Primary School 2 high school 3 pvt school +2
Industries	Nil
Religious Institutions	Nil

1.2. Population :-

<i>Description</i>	<i>Person</i>	<i>Male</i>	<i>Female</i>
Total Population	1250	690	560
Children	350	200	150
People with disabilities	05	3	2
Elderly/aged	150	70	80
Those who dependent upon specific medication for survival	03	03	00
Transgender	-	-	-

1.3. Temperature and rainfall

The climate is Semi-arid and hot which is mainly dry with very hot summer and cold winter except during monsoon. Here experience extreme temperature ranges 10-49 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 169.6 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 60 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	40 acres	6	No	Yes	1
	Rice	40 acres	6	No	Yes	1
					
					

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>
Yamuna	1	Yes 6	-	-	6	yes

1.6. Educational Institutions and Literacy Rate

Literacy rate of village is 40 percent. There is only one middle Government school in the village where children get their education. For further studies children have to go to in village Chorpura for further study go to Karnal.

1.7. Roads and Transport

Condition of road is not so good within the village. Road from Chorpura to Karnal 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			

2	CHC	-	-	-
3	Medical Shop	01	Jarnail	9813977102
4	Anganwadi centre	01	Saroj	8930104345
5	ANM			
6	ASHA workers	01	Seema Devi	9896340275
7	Pvt. Hospital	Nil	-	-
8	Pvt. Doctors	Nil		
9	Veterinary doctors	Nil		
10	Veterinary practitioners	Nil		
11	Medical practitioners	Nil		
12	Religious Institution	1		
1	Govt. Primary Schools	1	Govt. Primary School	9416484248
Others Details of Village				
			<i>Depend upon</i>	
1	Literacy Rate	70%	80%	
2	Education	Primary	65%	
3	Economy of Village		Agriculture & labour	
4	BPL Family	=30	44	
Household Details				
1	Total House Hold		230	
2	Kucha		10	
3	pucca		190	
4	Semi pucca		30	
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		Due to bad shape of roads
Flood		Rain
Earthquake		
Building collapse		
Epidemic / Contagious disease		Due to unhygienic conditions
Fire		Short circuit, Fire in field
Heat Wave		summer
Cold Wave		Winters
Industrial / Chemical hazard		
Stampede		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 2.Children below age 12 3.Women, 4.Sick Persons, 5.Below Poverty Line	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	300
HH with poorly constructed houses	30
Old aged population (above 65 age)	150
Children below (0-6 age)	93
Women headed households	25
BPL population	150
Landless HH	60
HH (Low income group)	44

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,	Entire village falls in EQ Zone- IV i.e. high damage risk zone.

		environment, etc.	
	Chemical Accidents	Human Life, cattle life, Environment, etc.	.
	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.	
Medium Risk Hazards	Extreme Temperature	Human life, Cattle population, Crops, transportation activities.	
	Floods	Human life, cattle life, crop life, property and public infrastructure.	
	Epidemic	Human Life, animal life	
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.
	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		4 km.

Public health centre			
Dispensaries			
Veterinary Hospital			
Private Hospital			
OPD Facility			
X Ray Facility			
Ambulance service	Yes	102	4 km.
Medicine Shop	Yes	9813977102	½ km.
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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...
 -
 -
- 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

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

- Sansad Adarsh Gram Yojana

- NREGA
- IAY
- Swarn Jayanti Gram Swarozgar Yojana
- Pradhan Mantri Gram Sadak Yojana
- National Social Assistance Programme
- Rural Water Supply Programme
- Total Sanitation Campaign
- Rural Connectivity Programme
- *Hariyali* – implementation of Watershed Development Program
- Drought Prone Area Programme

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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	Sushma Devi	8053460922
ii.	Village Secy	Nodal Officer		
iii.	Patwari	Member	Parveen	9468118885
iv.	Numberdar	Member	Balbir	9467729682
v.	SC Panch	Member	Seema	9896340275
vi.	BC Panch	Member	Sayogita	9813249189
vii.	Women (Mahila) Panch	Member	5	9813249189
viii.	Anganwadi Worker	Member	4	8930108345
ix.	SHG Heads	Member	-	-
x.	School Representatives	Member	Headmaster	9416484248
xi.	Ex-servicemen	Member	Punnu Ram	8053638163

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 Compilation 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		

SP		
ADC		
SDM		
ADO		
BDPO	9416302005	Karnal
Police Officer SHO		
Village Secretary	9729477117	Karnal
Gram Pradhan		
BEO		
Fire Officer		
SMO		

3.3 Members of Village Disaster Management Teams (VDMT)

S. No.	Name	Designation	Contact Number	Contact Address
Early Warning and Information Dissemination Team				
1	Kapil	Job	9050463755	
2	Deepak	Job	-	
3	Sanju	Job	--	
4	Naib Singh	Job	8059974410	
Evacuation Team				
1	Karambir	Job	--	
2	Rajpal	Labour	--	
Search and Rescue Team				
1	Dharambir	Sweeper	8295099476	
2	Neetu	Labour	8059205040	
3	Ashok	Job	9896042510	
4	Arvinder	Job	9813249189	
First Aid Team				
1	Gaurav	Labour	--	
2	Ajay Kumar	Labour	7404636371	
3	Salinder	Job	8950475009	
4	Sanju	Job	--	

Relief Management Team				
1	Seema Devi	House wife	9896340275	
2	Pinki Devi	--	--	
3	Kamlesh	--	--	
Sanitation Team				
1	Hakam	Labour		
2	Satbir	Labour		
Shelter Management Team				
1	Santro	House wife		
2	Mahinder	Labour		
Carcass Disposal Team				
1	Pala Ram	Labour	9896966347	
2	Savitri Devi	Labour	--	
Damage & Need Assessment Team				
1	Reena Devi	House wife	--	
2	Pooja Devi	House wife	--	
Rehabilitation & Reconstruction Team				
1	Reena Devi	House wife	--	
2	Rajni	House wife	9050463755	

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	Neetu	Four wheeler		8059205040
2	Arvind	--		9813249189
3	Debal	--		9991454848
4				

3.5 Village level Skilled persons

Name	Expertise	Address	Telephone #

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 – 3 Response Plan' can be mentioned here

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.