

Village Disaster Management Plan

HISAR



Government Of Haryana
Department of Revenue & Disaster Management



Bugana
2015-16



HARYANA INSTITUTE OF PUBLIC ADMINISTRATION

Plot 76, HIPA Complex, Sector 18, Gurgaon

Chapter 1: Situational Analysis of Village

1.1. Introduction

Village Profile: - a) Description of village Budana Village is 12 K.M from Barwala Tehsil in Distt. Hisar.

b) Village at a glance as under

Name of Village	Bugana
Name of Patwari	
Name of Village Secretary	Sunil
Contact No. of Village Secretary	97298-70960
Name of Panchayat	Bugana
Name of Sarpanch	Kashmiri Lal
Contact No. of Sarpanch	99927-42924
Name of Block	Barwala
Name of Teshil	Barwala
Name of Police Post/Station	Barwala
No. Of house holds	
Hospitals	PHC
Schools	Primary and High School
Industries	No
Religious Institutions	2

1.2. Population :-

<i>Description</i>	<i>Person</i>	<i>Male</i>	<i>Female</i>
Total Population	2883	1487	1396
Children	359	175	84
People with disabilities	18	13	5
Elderly/aged	202	102	100
Those who dependent upon specific medication for survival	Nil	--	--
Transgender	Nil	--	--

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 41.6 to 5.5 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 58.8 mm.

1.4. Agricultural Land and Cropping Pattern

The total agricultural land is 2135 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>
1	Wheat	1554	Nov.	No	No	
2	Rice	252	July	No	No	
3	Cotton	892	May	No	No	
4	Sarso	59	Cot.	No	No	
5	Ganwar	410		No	No	
6	Bajra	148		No	No	

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 (**Write for the respective village**):-

<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 Govt. Canal	-	-	-	-	-	Yes

1.6. Educational Institutions and Literacy Rate

Literacy rate of village is 70 percent. There is only one Primary and High 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 Bugana 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	0	--	--
2	CHC	0	--	--
3	Medical Shop	1	--	--
4	Anganwadi centre	4	Raj Bala	89300-54607
5	ANM	1	Chanchal	89301-20774
6	ASHA workers	2	Sheela	70278-28525
7	Pvt. Hospital	0	--	--
8	Pvt. Doctors	1	Ranbir	98128-71421
9	Veterinary doctors	1	Manohar Lal	94167-71248
10	Veterinary practitioners	0	--	--
11	Medical practitioners	0	--	--
12	Religious Institution	2	Raj Kumar	8930054609
1	Govt. Primary Schools	1	Manju Rani	
Others Details of Village				
			<i>Depend upon</i>	
1	Literacy Rate		70%	
2	Education		Primary and High School	
3	Economy of Village		Agriculture and Animal	
4	BPL Family		146	
Household Details				
1	Total House Hold		576	
2	Kucha		15	
3	pucca		415	
4	Semi pucca		146	
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	Rain
Earthquake	Med	As per risk zonation
Building collapse	Low	No old Building
Epidemic / Contagious disease	Med	Due to unhygienic conditions
Fire	High	Short circuit, Fire in field
Heat Wave	Med	summer
Cold Wave	Med	Winters
Industrial / Chemical hazard	No	No industry around
Stampede	No	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,(202) 2.Children below age 359 3.Women, 1396 4.Sick Persons,18	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 576</i>
Household (HH) in low lying areas	22
HH with poorly constructed houses	25
Old aged population (above 65 age)	202
Children below (0-6 age)	359
Women headed households	78
BPL population	584
Landless HH	584
HH (Low income group)	584

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, Houses
	Road Accidents	People travelling on roof/ inside buses. on national Highways, state Highways and other district. Cattle and other animals.	School and College going students.
	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.	Entire village
	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	, 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	Civil Hospital Barwala	102	12 K.M
Public health centre	Civil Hospital Barwala	102	12 K.M
Dispensaries	Civil Hospital Barwala	102	12 K.M
Veterinary Hospital	1	Manohar Lal 94167-71248	Within village
Private Hospital	Balaji Hospital Barwala	235015	12 K.M
OPD Facility	Balaji Hospital Barwala	235015	12 K.M
X Ray Facility	Civil Hospital Hisar	Dr. Rajiv 278160	32KM
Ambulance service	Balaji Hospital Barwala	235015/102	12 K.M
Medicine Shop	Balaji Hospital Barwala	235015/102	12 K.M
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Chapter 3: Mitigation & Preparedness Plan

This chapter will include:

3.1. Standard Operating Procedures

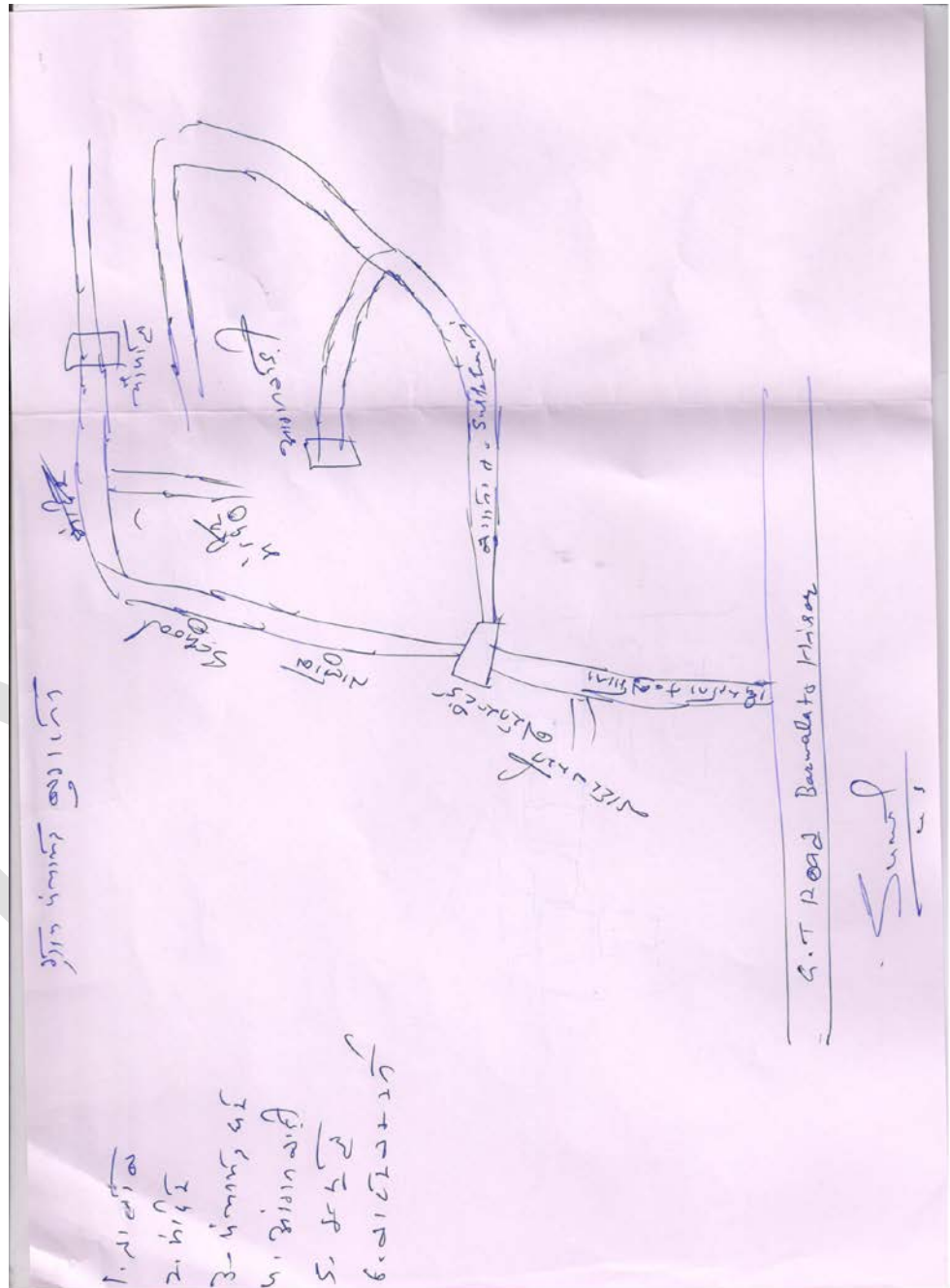
The teams formed in the previous chapter, their SOPs shall be listed down here. For eg:

- 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
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- 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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3.2. 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.

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 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	Kashmiri Lal	99927-42924
ii.	Village Secy	Nodal Officer	Sunil	97298-70960
iii.	Patwari	Member	Raghbir	94665-33382
iv.	Numberdar	Member		
v.	SC Panch	Member	Sandeep	86072-07576
vi.	BC Panch	Member	Om Parkash	96716-23197
vii.	Women (Mahila) Panch	Member	Santosh	94166-46457
viii.	Anganwadi Worker	Member	Rajbala	89300-54607
ix.	SHG Heads	Member		
x.	School Representatives	Member	Sunil	94169-28029
xi.	Ex-servicemen	Member	Kartar	98120-59872

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	232045, 233928	Hisar
SP	01662-232307	Hisar
ADC	232692, 241035,	Hisar
SDM	01693-242211	Barwala
ADO	92152-92001	Rajiv
BDPO	99962-51203	Ramesh Saini
Police Officer SHO	01693-242031	Kapil
Village Secretary	97298-70960	Sunil
Gram Pradhan	99927-42924	Kashmiri Lal
BEO	94161-78831	Kuldeep Singh
Fire Officer	01693-242031	Barwala
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	Kashmiri Lal	Sarpanch	99927-42924	Bugana
2	Sunil	Sec.	97298-70960	Barwala
3	Raghibir	Patwari	94665-33382	Barwala
4	Rajbir	Namberdar	99915-67560	Bugana
Evacuation Team				
1	Kartar Singh	Ex Service Man	98120-59872	Bugana
2	Sunil Kumar	Member	86848-89362	Bugana
3	Meena Kumari	Member	94662-63915	Bugana
4	Kashmiri Lal	Sarpanch	99927-42924	Bugana
5	Sunil	Sec.	97298-70960	Barwala

Search and Rescue Team				
1	Kartar Singh	Ex Service Man	98120-59872	Bugana
2	Sunil Kumar	Member	86848-89362	Bugana
3	Meena Kumari	Member	94662-63915	Bugana
4	Kashmiri Lal	Sarpanch	99927-42924	Bugana
5	Sunil	Sec.	97298-70960	Barwala
First Aid Team				
1	Chanchal	ANM	89301-20774	Bugana
2	Gurmeet	Asha Worker	70278-28526	Bugana
3	Ranbir	Dr.	98128-71421	Bugana
Relief Management Team				
1	Kashmiri Lal	Sarpanch	99927-42924	Bugana
2	Sunil	Sec.	97298-70960	Barwala
3	Raghubir	Patwari	94665-33382	Barwala
Shelter Management Team				
1	Kashmiri Lal	Sarpanch	99927-42924	Bugana
2	Sunil	Sec.	97298-70960	Barwala
3	Raghubir	Patwari	94665-33382	Barwala
Damage & Need Assessment Team				
1	Kartar Singh	Ex Service Man	98120-59872	Bugana
2	Sunil Kumar	Member	86848-89362	Bugana
3	Meena Kumari	Member	94662-63915	Bugana
Rehabilitation & Reconstruction Team				
1	Kartar Singh	Ex Service Man	98120-59872	Bugana
2	Sunil Kumar	Member	86848-89362	Bugana
3	Meena Kumari	Member	94662-63915	Bugana

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				
2	Rakesh	Tractor Trali	99921-41332	
3	Bir Singh	Pick Up	98139-36007	

3.5 Village level Skilled persons

Name	Expertise	Address	Telephone #
Parbhu Dayal	Ex Service Man	98131-47183	

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.