

# **VILLAGE SAFETY INITIATIVE**

**By**



**REVENUE AND DISASTER MANAGEMENT DEPARTMENT  
GOVERNMENT OF HARYANA**

## **VILLAGE DISASTER MANAGEMENT PLAN**

**Name of Village: Rudh, Bawal**

**2014-15**

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**CENTRE FOR DISASTER MANAGEMENT  
HARYANA INSTITUTE OF PUBLIC ADMINISTRATION  
GURGAON**

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# Introduction

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## Background:

Natural and Man-made disasters like Earthquake, Flood, drought, Hailstorm, Fire, Road accidents and industrial accidents etc. affects human life, infrastructure and environment. To combat these challenges needs risk reduction approach at community level to focus on developing the capacity and skills of the community so that they can deal with the disasters as a way of life.

The Village Disaster Management initiative approach is reducing the risks and management of disasters at the community level. Development of Village Disaster Management plan is the most important ingredient in implementing community based Disaster Risk Management at village level. It refers to a list of activities for community agrees to follow to prevent loss of life, livelihood and property in case of disaster and improve the capacity to withstand the impact of disaster. The community is the real sufferer and the first responder and it has developed its own coping mechanism and strategy to reduce the impact of disaster.

## Aim & Objective:

- To develop the capacity and skill of the community to make plans at the community level for mitigating the impact of hazards and preventing them from becoming disasters.
- To empower the community to deal with disasters on their own as a way of life.
- Awareness generation among villagers about community at risk.
- Building partnership with education institute, economic activities and social organisations for improve the capacity to deal with disasters.
- Focus on sustainable development.

## Activities:

- A village disaster management plan is being developed through Hazards, Vulnerability Assessment and Risk Analysis of community with combine efforts of the Gram Panchayat and the Village communities and with the coordination of various line departments of Disaster Management.
- Village level task forces are being developed for various activities for disaster management.
- Social mapping, identification of resources or resource mapping and the formulation of the needs matrix.
- Implementation and updation of Village Disaster Management Plan.
- Identification of gaps through mock drills.

# Chapter 1

## Situational Analysis of Village

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**1.1 Village Profile:** The Village Rudh is situated in Tehsil and Sub-division Bawal. Its 15 KMs far from district headquarter in the south direction. It is spread over in 109 Hectares area. Village at-a-glance as under:

<b>Particulars</b>	<b>Detail</b>
Name of Village	Rudh
Area (Hectares)	201
No. of House Holds	109
Name of Gram Panchayat	Rudh
Name of Sarpanch	Rekha
Contact No. of Sarpanch	8607793898
Name of Village Secretary	Shashi kapoor
Contact No. of Village Secretary	99920-42017
Name of Patwari	Mahender
Contact Number of Patwari	98136-33051
Name of Tehsil	Bawal
Name of Block	Bawal
Name of Police Post/ Station	Bawal
Education Institute	1
Health Institution	-
Religious Institutions	2
Primary Source of Livelihood	Agriculture and allied activities
Industries	-

## 1.2 Demography: -

Description	Persons	Males	Females
Total Population	1176	641	535
Population in the age-group 0-6	163	87	76
SC population	156	87	69
Literacy	757	493	264
Transgender	-	-	-

1.3 Climate 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 2-47 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 district is 569.6 mm. About 70 per cent of the annual rainfall is received during period from July to September.

1.4 Agriculture and cropping pattern:- The farming system in village is pronominally agriculture integrated with animal husbandry. The major crop rotations are Bajra-Wheat, Mustard and guar-mustard. Mustard and wheat are main crops in Rabi season and Bajra is main crop in Khrif season.

### Cropping pattern:

Sr. No.	Types of Crops cultivated	Area cultivated (Acres)	Duration of Month	Area under Crop Insurance (Yes/No)	Stock facilities (Yes/No)	Others
1.	Wheat	245	November to March	No	No	
2.	Mustard	167	November to March	No	No	
3.	Bajra	316	April to September	No	No	
4.						

**1.5 Drinking Water facilities:-** The main source of drinking water located within premises of Village and supply of drinking water in village is as per below:-

Tap water from treated sources	Tap water from untreated sources	Covered wells	Uncovered wells	Hand pumps	Tube wells/ boreholes	Other sources
0.6	12.7	17.8	0	0	29.3	38.9

**1.6 Road and Transport:** The village is not well connected with surrounding villages and the NH-8 crossing through village so village is well connected Block, Tehsil, District headquarter. Condition of road is good within Village.

**1.7 Infrastructure details:**

<b>Infrastructural Details at Village</b>				
<i>Sr.</i>	<i>Facilities</i>	<i>Number</i>	<i>Contact Person</i>	<i>Contact Number</i>
<b>1</b>	PHC	-	-	
<b>2</b>	CHC	-		
<b>3</b>	Medical Shop	-		
<b>4</b>	Anganwadi centre	2	<b>Kamlesh</b>	<b>94674-63162</b>
<b>5</b>	ANM	-		
<b>6</b>	ASHA workers	1	<b>Jtoti</b>	
<b>7</b>	Pvt. Hospital	-		
<b>8</b>	Pvt. Doctors	-		
<b>9</b>	Veterinary doctors	-		
<b>10</b>	Veterinary practitioners	-		
<b>11</b>	Medical practitioners	-		
<b>12</b>	Religious Institution	<b>2</b>		

13	Schools	1		
<b>Household Condition Details</b>				
1	Total House Hold			109
2	Good			90
3	Livable			13
4	Dilapidated			6
5	Other critical ESTABLISHMENTS			

## Chapter-02

### Hazard, Risk, vulnerability and Capacity Assessment

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#### 2.1 Disasters History

Sr. No.	Disaster/Accidents	Month & Year of occurrence	Percentage of Village affected	Total No. of people affected (injured & dead)	
				Dead	Injured

#### 2.2 Hazards: Hazards profile of Village:

<i>Hazards (in and around the village )</i>	<i>Hazard Probability (High / Med / Low)</i>	<i>Possible causes</i>
Earthquake	High	Entire village falls in EQ Zone- IV i.e. high damage risk zone.
Flood	Low	During monsoon season and low lying of area.
Building collapse	High	Entire Village falls in High damage risk zone of

		earthquake due to dilapidated condition houses may be damage and collapse.
Road Accidents	Med	Due to condition of road, negligence of safety at road and lack of awareness of traffic rules.
Industrial Accidents	High	Near village industrial area. HSIIDC
Epidemic / Contagious disease		Due to unhygienic conditions.
Fire	Med	Due to Short circuits in residential area. In field area high power extension cross agriculture field and High temperature & human negligence in summer season during harvesting of crops.
Heat Wave	Med	Scorching heat in summer season.
Cold Wave	Med	Winner season.
Stampede	Low	During festive at religious place and Due to riots or violence.
Hailstorm	Low	During before monsoon season and after moon season.
Pest attack	Low	
Others (specify)		

### 2.3 Vulnerability Analysis

<b>Vulnerable groups in the village – to different hazards</b>				
<i>Sr</i>	<i>Name of Hazards</i>	<i>Vulnerable Area</i>	<i>Vulnerable Groups</i>	<i>Facilities Affected</i>
.				



<b>1</b>	Earthquake	Entire village	1. Old Age Persons 2.Children below age 12 3.Women, 4.Sick Persons, 5.Physical challenged Persons 6.Below Poverty Line families 7. Pet animals	1. Drainage , 2.Electricity, 3.Drinking water, 4.Road 5.Communication, 6.Public Property, 7. Private Houses 7.Ariculture
<b>2</b>	Flood	Low laying are of village	1. Old Age Persons 2.Children below age 12 3.Women, 4.Sick Persons, 5.Physical challenged Persons 6.Below Poverty Line families 7. Pet animals	1. Drainage , 2.Electricity, 3.Drinking water, 4.Road 5.Communication, 6.Public & private Property, 7.Ariculture
<b>3</b>	Fire	Filed Area	Farmers and their dependents	1.Electricity, 42.Crop production or crop losses
<b>4</b>	Epidemics	Flood affected area and nearby	All community of village can be	Medical and transport facilities
<b>5</b>	Snake bite	Flood affected area and nearby	All community of village can be	Medical and transport facilities
<b>6</b>	Hailstorm		Low possibility	Agriculture production or crop losses
<b>7</b>	Pest Attack	Agriculture area	Crops	Crop Failure
<b>8</b>	Heat Wave		Village population	Medical and transport facilities
<b>9</b>	Cold Wave		Village population	Medical and transport

				facilities
<b>10</b>	Road Accidents	Houses Nearby Road	Road locations houses	Medical and transport facilities
<b>Other Vulnerabilities</b>				<b>( Impacts)</b>
<b>1</b>	<b>Social Vulnerabilities</b>	Culture of Village can be affected	Living Pattern, Dress, Food Habits and the employment kind of village will be changed if hazard occurs	

### 2.3.1 Vulnerability assessment:-

Details	No. of HH/ Persons
Structural Vulnerability	
HH with poorly constructed houses/ Dilapidated House	6
HH in low lying areas	-
Social vulnerability	
Schedule caste population	156
Old aged population	96
Women headed house	32
Physical challenged person	8
Children below (0-6 age)	163
BPL Families	27
Landless HH	18

### 2.4. Risk Analysis:-

Severity	Hazard	Elements at Risk	Vulnerable Areas
<b>High Risk Hazards</b>	<b>Earthquake</b>	Human life, cattle life, public and private property,	Entire village falls in EQ Zone- IV i.e. high damage risk zone.

		infrastructure, environment, etc.	
	<b>Chemical Accidents</b>	Human life, Cattle life, Environment etc.	
	<b>Flood</b>	Human Loss, cattle life, agricultural produce, public and private property kutcha houses, industries, etc.	
	<b>Fires</b>	Human Loss, cattle life, agricultural produce, public and private property kutcha houses, industries, etc.	Entire field and Residential area of village.
	<b>Road Accidents</b>	People travelling by Personal and Public vehicle /transport. Cattle and other animals on the road.	
<b>Medium Risk Hazards</b>	<b>Extreme Temperature</b>	Human life, Cattle population, Crops, transportation activities.	Heat wave in summer season and cold wave in winter season affects entire village population.
	<b>Floods</b>	Human life, cattle life, crop life, property and public infrastructure.	Not affected.
	<b>Epidemic</b>	Human Life, animal life	Village population.
<b>Low risk Hazards</b>	<b>Drought</b>	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.
	<b>Frost</b>	Crop, cattle life	People with poor housing conditions in the village.
	<b>Thunder storm</b>	Human life, Public infrastructure and private property.	
<b>Hailstorm</b>			

#### 2.4 Community Resources/ Capacity Assessment:

Name of Facilities	Community Resources		
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<i>Particulars</i>	<i>Total no.</i>	<i>Contact Person and Telephone Number</i>	<i>Distance from the Village</i>
Hospital	1	01284-260164	3
Public health centre	1	Bawal	3
Dispensaries	1	Nichana	2
Veterinary Hospital	1	Bharwas	5
Private Hospital	6	Bawal / Rewari	3
OPD Facility	1	01274-256231	13
X Ray Facility	1	01274-256231	13
Ambulance service	2	01284-260164	3
Medicine Shop	12	Bawal	3
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## Chapter-03

### Mitigation and Preparedness plan

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#### 3.1 Standard Operating Procedures

The teams are to be formed at village level and their SOPs shall be listed down here.

##### 3.1.1 Early Warning & Information Dissemination Team

- Communicate the information with other teams.
- Update contact details of local resources/ offices, etc.

##### 3.1.2 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.
- 3.1.3 Search & rescue team
- Search people who trapped in buildings and rescue them.
  - Transport victims to safe location.
- 3.1.4 First Aid Team
- Maintain list of pregnant women, infants, people with special medical needs, etc.
  - Keeping First-Aid box with disinfectants, antiseptics, ORS, etc.
  - Updated contact number of emergency services i.e. Ambulance, near hospital public & private.
- 3.1.5 Relief Management team
- To provide relief materials i.e. food, water, cloths, utensils and other essential material for who evacuated and rescued from village.
- 3.1.6 Shelter Management team
- Identify safe shelter in village, open spaces for tents installation and nearby areas in case of evacuate the people from village.
- 3.1.7 Carcass Disposal Team
- Identification of space for carcass disposal.
  - 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
- 3.1.8 Damage & Need 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.
- 3.1.9 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 bundhs around settlement.
- 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.

#### 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)

#### 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 Development 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
- Vidhayak Adarsh Gram Yojana
- MNREGA
- IAY (Earthquake resistance building also protection from cold and heat waves)
- PAY (Earthquake resistance building also protection from cold and heat waves)
- Haryana Rural Livelihood Mission
- Pradhan Mantri Gram Sadak Yojana
- National Social Assistance Programme
- Rural Water Supply Programme
- Total Sanitation Campaign (Preventing epidemic like situation)
- Rural Connectivity Programme
- *Hariyali* – implementation of Watershed Development Program
- Drought Prone Area Programme

- Ladali
- DDUY

## **Chapter-04**

### **Response Plan**

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**4.1 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 is to be conducted by Village Disaster Management Committee. The following is the suggestive list of committee members:-

Sr.No.	Name of person	Member	Designation	Contact number
1.	Rekha	Sarpanch	Chairman	8607793898
2.	Shashi Kapoor	Village secy.	Nodal Officer	99920-42017
3.	Mahender Singh	Patwari	Member	98136-33051
4.	Bastiram	Numbardar	Member	9050585507
5.	Suman	SC panch	Member	
6.	Sube Singh	BC panch	Member	
7.	Mamta Bai	Woman Panch	Member	
8.	Saroj	Anganwari worker	Member	98128-19001
9.		School representative	Member	
10.	Rampat	Ex-servicemen	Member	8059624701
11.	Jyoti	ASHA	Member	

#### 4.3 Administrative control:

Sr.No.	Designation	Contact Number	
		Office	Residence
1.	Deputy Commissioner	01274-225368	225246
2.	Superintendent of Police	01274- 227290	222491
3.	Additional Deputy Commissioner	01274-225240	225250
4.	Chief Medical Officer	01274-256769	
5.	SDM	01284-260016	221560



6.	DDPO	01274-225257	249212
7.	District Revenue Officer	01274-225145	
8.	Tehsildar	01284-260038	
9.	BDPO	01284-260045	
10.	Medical Officer	01284-260164	
11.	Police Officer (SHO)	01284-260098	
12.	Fire Officer	01284-261960	

#### 4.3 Village Disaster Management Task Forces/ teams :

S. No.	Name	Designation	Contact Number	Contact Address
<b>Early Warning and Information Dissemination Team</b>				
1.	Rekha	Sarpanch	8607793898	Rudh
2.	Shashi kapoor	Village Secy.	99920-42017	Bawal
3.	Mahender singh	Patwari	98136-33051	Bawal
4.	Bastiram	Nambardar	9050585507	Rudh
5.	Anil kumar	Chokidar		Rudh
<b>Evacuation Team</b>				
1.	Rekha	Sarpanch	8607793898	Rudh
2.	Shashi kapoor	Village Secy.	99920-42017	Bawal
3.	Rampat singh	EX-ARMY Man	8059624701	Rudh
4.				
5.				
<b>Search and Rescue Team</b>				

1.	Bastiram	Nambardar	9050585507	Rudh
2.	Anil kumar	Chokidar		Rudh
3.	Shivlal	Villager		Rudh
4.				
5.				
<b>First Aid Team</b>				
1.	Jyoti	AShA		
2.	Kamlesh	AWW	94676-63162	
3.	Saroj	AWW	98128-19001	
4.				
5.				
<b>Relief Management Team</b>				
1.	Rekha	Sarpanch	8607793898	Rudh
2.	Shashi kapoor	Village Secy.	99920-42017	Bawal
3.	Rampat singh	EX-ARMY Man	8059624701	Rudh
4.	Subesingh	Panch		Rudh
5.				
<b>Sanitation Team</b>				
1.	Rekha	Sarpanch	8607793898	Rudh
2.	Shashi kapoor	Village Secy.	99920-42017	Bawal
3.	Rampat singh	EX-ARMY Man	8059624701	Rudh
4.				
5.				

Shelter Management Team				
1.	Rampat singh	EX-ARMY Man	8059624701	Rudh
2.	Dharmveer	Mason		Rudh
3.	Mukesh	Mason		Rudh
4.				
5.				
Damage & Need Assessment Team				
1.	Vikaram	Panch		Rudh
2.	Bastiram	Panch	9050585507	Rudh
Rehabilitation & Reconstruction Team				
1.	Rekha	Sarpanch	8607793898	Rudh
2.	Shashi kapoor	Village Secy.	99920-42017	Bawal
3.	Mahender singh	Patwari	98136-33051	Bawal
4.	Bastiram	Nambardar	9050585507	Rudh
5.	Mamta	Panch		
1.	Rekha	Sarpanch	8607793898	Rudh
2.	Shashi kapoor	Village Secy.	99920-42017	Bawal
3.	Mahender singh	Patwari	98136-33051	Bawal
4.	Bastiram	Nambardar	9050585507	Rudh

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

No.	Name	Practise/Resource	Mobile No.
1.	Sashi	Panch	
2.	Vikaram	Panch	
3.	Bastiram	Panch	9050585507
4.	Suman	Panch	
5.	Sakutla	Panch	
6.	Mamta	Panch	
7.	Subesingh	Panch	
8.			

#### 4.5 Village level Skilled persons

Sr.No.	Name	Expertise	Address	Telephone
1.	Dharamveer	Mason	Rudh	
2.	Mukesh	Mason	Rudh	
3.				
4.				
5.				

## Chapter-05

### Contact number and Updation of plan

#### 5.1 Administrative contact:-

<i>Sr.No.</i>	<i>Designation</i>	<i>Contact Number</i>	<i>Contact address</i>

		<i>Office</i>	<i>Residence</i>	
1	Deputy Commissioner	01274-225368	225246	Rewari
2	Superintendent of Police	01274- 227290	222491	Rewari
3	Additional Deputy Commissioner	01274-225240	225250	Rewari
4	Chief Medical Officer	01274-256769		Rewari
5	SDM	01284-260016	221560	Bawal
6	DDPO	01274-225257	249212	Rewari
7	District Revenue Officer	01274-225145		Rewari
8	Tehsildar	01284-260038		Bawal
9	BDPO	01284-260045		Bawal
10	Medical Officer	01284-260164		Bawal
11	Police Officer (SHO)	01284-260098		Bawal
12	Fire Officer	01284-261960		Bawal
15	BEEO	99928-22868		Bawal
16	CDPO	01284-261255		Bawal
17	Agriculture Development Officer	98137-88273		Bawal
18	Food and supply Inspector	99911-44001		Bawal

## 5.2 Updation of plan

The Village disaster Management committee will be responsible for the review and update of the VDMP on quarterly basis and discuss in Gram Sabha meeting of village. This needs constant review and Updation of Village disaster management plan.

## 5.3 Emergency Contact Number:

Sr.No.	Name of Department	Contact No.
1.	District Control Room	01274-225246, 225368, 223779

2.	Police	01274- 255156, 100
3.	Fire	01274-225111, 101
4.	Ambulance	01274-225156, 102
5.	Revenue	01274-225145

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