

Village Disaster Management Plan

HISAR



Government Of Haryana
Department of Revenue & Disaster Management



Madha
2015-16



HARYANA INSTITUTE OF PUBLIC ADMINISTRATION

Plot 76, HIPA Complex, Sector 18, Gurgaon

Village Disaster Management Plan, Madha, Hisar

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Chapter 1: Situational Analysis of Village

1.1. Introduction

Village Profile: - a) Description of village Madha village is situated 43 KM from Head Quarter Hisar on Jind-Hansi main road.

b) Village at a glance as under

| | |
|---|---------------------|
| Name of Village | Madha |
| Name of Patwari | Phool Singh |
| Name of Village Secretary | Rakesh Kumar |
| Contact No. of Village Secretary | 9992174747 |
| Name of Panchayat | Madha |
| Name of Sarpanch | Jagdish Rai |
| Contact No. of Sarpanch | 9896410997 |
| Name of Block | Narnaund |
| Name of Teshil | Narnaund |
| Name of Police Post/Station | Narnaund |
| No. Of house holds | 431 |
| Hospitals | Nil |
| Schools | 2 |
| Industries | Nil |
| Religious Institutions | 1 |

1.2. Population :-

| <i>Description</i> | <i>Person</i> | <i>Male</i> | <i>Female</i> |
|---|---------------|-------------|---------------|
| Total Population | 1909 | 1019 | 890 |
| Children | 89 | 47 | 42 |
| People with disabilities | 17 | 11 | 6 |
| Elderly/aged | 167 | 89 | 78 |
| Those who dependent upon specific medication for survival | - | - | - |
| 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 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 2100 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 | 1498 | 6 M | No | No | No |
| 2 | Rice | 1483 | 6 M | No | No | No |
| 3 | Oth | 63 | 6 M | No | 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:-

| <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 | 3 | 1 | Nil | Nil | 52 | Yes |

1.6. Educational Institutions and Literacy Rate

Literacy rate of village is 61.6 percent. There is one middle Government school in the village where children get their education. For further studies children have to go to Narnaund.

1.7. Roads and Transport

Condition of road is good within the village. Road from Madha to Narnaund is in good 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 | 3 | Santosh | 8607551033 |
| 5 | ANM | 1 | Sheela Devi | 7027829746 |
| 6 | ASHA workers | 2 | Maya Wati | 7027828646 |
| 7 | Pvt. Hospital | No | No | No |
| 8 | Pvt. Doctors | No | No | No |
| 9 | Veterinary doctors | 2 | Mahesh Kumar | 9466820239 |
| 10 | Veterinary practitioners | No | No | No |
| 11 | Medical practitioners | No | No | No |
| 12 | Religious Institution | No | No | No |
| 1 | Govt. Primary Schools | 1 | Lokesh Sharma | 9416216785 |
| Others Details of Village | | | | |
| | | | <i>Depend upon</i> | |
| 1 | Literacy Rate | | 61.6% | |
| 2 | Education | | Middle School | |
| 3 | Economy of Village | | Agriculture and Business | |
| 4 | BPL Family | | | |
| Household Details | | | | |
| 1 | Total House Hold | | 431 | |
| 2 | Kucha | | 3 | |
| 3 | pucca | | 401 | |
| 4 | Semi pucca | | 27 | |
| 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 | High | Village is located at National Highway |
| Flood | High | Rain , Water logging |
| Earthquake | Med | Med risk zone |
| Building collapse | Low | No old building |
| Epidemic / Contagious disease | Low | Due to hygienic conditions |
| Fire | High | Short circuit, Fire in field |
| Heat Wave | Med | summer |
| Cold Wave | Med | Winters |
| Industrial / Chemical hazard | Low | No Industry |
| Stampede | Low | 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) 167 2.Children below age 12 89 3.Women, 78 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 | 431/6 |
| HH with poorly constructed houses | 145 |
| Old aged population (above 65 age) | 167 |
| Children below (0-6 age) | 89 |
| Women headed households | 350 |
| BPL population | 145HH |
| Landless HH | 118 |
| HH (Low income group) | - |

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- IIIi.e. Moderate damage risk zone. |

| | | | |
|----------------------------|--------------------------------------|---|--|
| | | environment, etc. | |
| | Chemical Accidents | Human Life, cattle life, Environment, etc. | On main road Hence road side HH are vulnerable to chemical accidents/ |
| | 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. | Entire village |
| Medium Risk Hazards | Extreme Temperature | Human life, Cattle population, Crops, transportation activities. | Entire village |
| | Floods | Human life, cattle life, crop life, property and public infrastructure. | Entire village |
| | Epidemic | Human Life, animal life | 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. |
| | 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 | Civil Hospital 278917 | 10 KM |

| | | | |
|----------------------|-----------------|--------------------------|-------|
| Public health centre | PHC Khandakheri | 01663-242179 | 5 KM |
| Dispensaries | PHC Khandakheri | 01663-242179 | 5 KM |
| Veterinary Hospital | 1 | Khandakheri | 5Km |
| Private Hospital | 1 | Civil Hospital 278157 | 10 KM |
| OPD Facility | 1 | Civil Hospital 278157 | 10 KM |
| X Ray Facility | 1 | Civil Hospital 278157 | 10 KM |
| Ambulance service | 1 | Civil Hospital 278157 | 10 KM |
| Medicine Shop | 1 | Civil Hospital 278157 | 10 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.
-
-

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. 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 | Jagdish | 9896410997 |
| ii. | Village Secy | Nodal Officer | Rajesh | 9992174747 |
| iii. | Patwari | Member | Phool Singh | 9138446301 |
| iv. | Numberdar | Member | Satbir | 9728805907 |
| v. | SC Panch | Member | Krishan | 9017437038 |
| vi. | BC Panch | Member | Surajmal | 9991389763 |
| vii. | Women (Mahila) Punch | Member | Geeta | 8603343308 |
| viii. | Anganwadi Worker | Member | Santosh | 8607551033 |
| ix. | SHG Heads | Member | | |
| x. | School Representatives | Member | Lokesh | 9416216785 |
| xi. | Ex-servicemen | Member | Amarpal | 9992822704 |

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 | 01663-254074 | Hansi |
| BDPO | 01663-233275 | Narnaund |
| Police Officer SHO | 01663-233222 | Narnaund |
| Village Secretary | 9992174747 | BDPO Office Narnaund |
| Gram Pradhan | 9896410997 | Jagdish |
| BEO | 2333044 | Narnound |
| Fire Officer | 01663-233222 | Narnound |
| 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 | Jagdish | Sarpanch | 9896410997 | Madha |
| 2 | Rajesh | Village Secy | 9992174747 | Madha |
| 3 | Phool Singh | Patwari | 9138446301 | Madha |
| 4 | Satbir | Numberdar | 9728805907 | Madha |
| Evacuation Team | | | | |
| 1 | Krishan | Member | 9017437038 | Madha |
| 2 | Surajmal | -do | 9991389763 | Madha |
| 3 | Geeta | -do | 8603343308 | Madha |
| 4 | Santosh | Angan wari | 8607551033 | Madha |
| 5 | Amarpal | Ex serviceman | 9992822704 | Madha |

| Search and Rescue Team | | | | |
|--|------------------|------------------|-------------------|-------|
| 1 | Lokesh | Tr. | 9416216785 | Madha |
| 2 | Amarpal | Ex serviceman | 9992822704 | Madha |
| 3 | Surajmal | Member | 9991389763 | Madha |
| 4 | Geeta | -do | 8603343308 | Madha |
| First Aid Team | | | | |
| | Santosh | Anganwadi centre | 8607551033 | Madha |
| | Sheela Devi | ANM | 7027829746 | Madha |
| | Maya Wati | ASHA workers | 7027828646 | Madha |
| | Santosh | Angan wari | 8607551033 | Madha |
| | Krishan | Member | 9017437038 | Madha |
| Relief Management Team | | | | |
| | Jagdish | Sarpanch | 9896410997 | Madha |
| | Rajesh | Village Secy | 9992174747 | Madha |
| | Phool Singh | Patwari | 9138446301 | Madha |
| Sanitation Team | | | | |
| | Surajmal | Member | 9991389763 | Madha |
| | Santosh | Angan wari | 8607551033 | Madha |
| | Krishan | Member | 9017437038 | Madha |
| Shelter Management Team | | | | |
| | Amarpal | Ex serviceman | 9992822704 | Madha |
| | Surajmal | Member | 9991389763 | Madha |
| | Santosh | Angan wari | 8607551033 | Madha |
| Carcass Disposal Team | | | | |
| | Amarpal | Ex serviceman | 9992822704 | Madha |
| | Surajmal | Member | 9991389763 | Madha |
| Damage & Need Assessment Team | | | | |
| | Jagdish | Sarpanch | 9896410997 | Madha |

| | | | | |
|---|-------------|--------------|------------|-------|
| | Rajesh | Village Secy | 9992174747 | Madha |
| | Phool Singh | Patwari | 9138446301 | Madha |
| Rehabilitation & Reconstruction Team | | | | |
| | Jagdish | Sarpanch | 9896410997 | Madha |
| | Rajesh | Village Secy | 9992174747 | Madha |
| | Phool Singh | Patwari | 9138446301 | Madha |

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 | Krishan | Tractor | | 9813247607 |
| 2 | Sushil | -do- | | 8053404970 |

3.5 Village level Skilled persons

| Name | Expertise | Address | Telephone # |
|---------|-----------|---------|-------------|
| Krishan | Sports | Madha | 9992527122 |
| | | | |
| | | | |

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.