

VILLAGE SAFETY INITIATIVE

By



Revenue and Disaster Management Department

Government of Haryana

VILLAGE DISASTER MANAGEMENT PLAN

Badarpur Village

2015-16



CENTRE FOR DISASTER MANAGEMENT

HARYANA INSTITUTE OF PUBLIC ADMINISTRATION

GURGAON

Village Disaster Management Plan, Badarpur

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Chapter 1: Situational Analysis of Village

1.1. Introduction

Village Profile: - a) Description of village:- Badarpur, P.O.:- Biana, teh. Indri, Dist. Karnal, Haryana

b) Village at a glance as under

| | |
|---|--|
| Name of Village | Badarpur |
| Name of Patwari | Varun |
| Name of Village Secretary | Ramkishan |
| Contact No. of Village Secretary | 9813327008 |
| Name of Panchayat | Badarpur |
| Name of Sarpanch | Manju biliyan |
| Contact No. of Sarpanch | 9466363308 |
| Name of Block | Indri |
| Name of Teshil | Indri |
| Name of Police Post/Station | Biana chownki |
| No. Of house holds | 498 |
| Hospitals | No |
| Schools | 2 Primary and Govt. High school |
| Industries | No |
| Religious Institutions | 1 |

1.2. Population :-

| <i>Description</i> | <i>Person</i> | <i>Male</i> | <i>Female</i> |
|---|---------------|-------------|---------------|
| Total Population | 4892 | 2666 | 2226 |
| Children | 232 | 123 | 109 |
| People with disabilities | 11 | 10 | 1 |
| Elderly/aged | - | - | - |
| Those who dependent upon specific medication for survival | No | | |
| 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 10-45 degree centigrade with severe cold in month of December & January and the month of May & June are of bitter summer. About 60 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 1140 acres. Wheat, rice, sugarcane and garlic 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 | 500 | 6 months | - | - | - |
| 2 | Rice | 500 | 4 months | - | - | - |
| 3 | Sugar cane | 100 | 1 year | - | - | - |
| 4 | lehsun | 40 | 4 months | - | - | - |

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> |
|----------------------|--------------------|-------------------|----------------------|------------------------|-------------------|-----------------------------|
| - | No | 2 | no | - | 8 | yes |

1.6. Educational Institutions and Literacy Rate

Literacy rate of village is 82%. There is only one middle Government school in the village where children get their education. For further studies children have to go to near high school Indri, Karnal

1.7. Roads and Transport

Condition of road is not so good within the village. For commuting, people prefer auto rickshaws and Haryana Roadways 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 | | |

| | | | | |
|----------------------------------|--------------------------------------|----------|---------------------|-------------------|
| 2 | CHC | No | | |
| 3 | Medical Shop | 2 | | |
| 4 | Anganwadi centre | 3 | Monika | 9813093134 |
| 5 | ANM | 1 | Pinki | |
| 6 | ASHA workers | 2 | Raj rani | 7029825665 |
| 7 | Pvt. Hospital | No | | |
| 8 | Pvt. Doctors | No | | |
| 9 | Veterinary doctors | 1 | Karam singh | |
| 10 | Veterinary practitioners | 1 | Davinder singh | 9813093134 |
| 11 | Medical practitioners | No | | |
| 12 | Religious Institution | 1 | | |
| 1 | Govt. Primary Schools | 1 | Sushil kumar | 9996983500 |
| Others Details of Village | | | | |
| | | | <i>Depend upon</i> | |
| 1 | Literacy Rate | | 82% | |
| 2 | Education Primary | | 85 | |
| 3 | Economy of Village | | Agriculture | |
| 4 | BPL Family | | 95 | |
| Household Details | | | | |
| 1 | Total House Hold | | 498 | |
| 2 | Kucha | | No | |
| 3 | pucca | | 398 | |
| 4 | Semi pucca | | 100 | |
| 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 | Due to bad shape of roads |
| Flood | Med | Rain |
| Earthquake | High | Zone 4 |
| Building collapse | Med | Not according to NBC codes. |
| 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 | - |
| 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, 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 | All community of village can be | Medical facilities, |

| | | | | |
|------------------------------|----------------------------------|------------------------------------|--|-------------------------------|
| | | and nearby | | 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 | Nil |
| HH with poorly constructed houses | 100 |
| Old aged population (above 65 age) | 161 |
| Children below (0-6 age) | 232 |
| Women headed households | 52 |
| BPL population | 380 |
| Landless HH | 130 |
| HH (Low income group) | 400 |

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 | Entire village falls in EQ Zone- IV i.e. high damage |

| | | | |
|----------------------------|--|---|--|
| | | infrastructure, environment, etc. | risk zone. |
| | 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. | Areas near main Road |
| 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 | no | - | Indri 10 |

| | | | |
|----------------------|----|----|------------------------|
| | | | Karnal 25 (nearest) |
| Public health centre | No | No | |
| Dispensaries | No | No | |
| Veterinary Hospital | No | No | |
| Private Hospital | No | No | |
| OPD Facility | No | No | |
| X Ray Facility | No | No | |
| Ambulance service | No | No | |
| Medicine Shop | 2 | -- | Within the village |

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.

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:

- 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 | manju | 9466363308 |
| ii. | Village Secy | Nodal Officer | Ramkishan | 9813327008 |
| iii. | Patwari | Member | Varun | 9468425029 |
| iv. | Numberdar | Member | Muvashi | 8607607820 |
| v. | SC Panch | Member | Gain chand | - |
| vi. | BC Panch | Member | Ram kumar | 9813500067 |
| vii. | Women (Mahila) Punch | Member | Nisha devi | 8816019627 |
| viii. | Anganwadi Worker | Member | Monika devi | 9468325260 |
| ix. | SHG Heads | Member | - | - |
| x. | School Representatives | Member | Sushil kumar | 9996983500 |
| xi. | Ex-servicemen | Member | rajpal | 9813680143 |

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 | 2267500 | Mini secretariat, 1 st floor sector 12, Karnal |
| SP | 4091002 | Mini secretariat, 3 rd floor sector 12, Karnal |
| ADC | 2267351 | Mini secretariat, 2 nd floor sector 12, Karnal |
| SDM | 2383700\8901163144 | Near grain market, Indri |
| BDPO | 983772000 | Near Indri Bus stand. |
| Police Officer SHO | | |
| Village Secretary | | |
| 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 | Shiv kumar | Chairman | 9466363308 | Badarpur |
| 2 | Sanjeev | Member | 9812891226 | badarpur |
| 3 | Kartar singh | Member | 9416406783 | badarpur |
| 4 | Basant kumar | member | | |
| Evacuation Team | | | | |
| 1 | Rinku | member | 9992955003 | Badarpur |
| 2 | Mukesh kumar | member | 9813231017 | badarpur |
| | | | | |
| | | | | |
| | | | | |
| Search and Rescue Team | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| First Aid Team | | | | |

| | | | | |
|---|-------------|--------|------------|----------|
| | Shiv kumar | member | 9466363308 | Badarpur |
| | Raj rani | member | 7027825214 | badarpur |
| | | | | |
| | | | | |
| Relief Management Team | | | | |
| | Jaug lal | P. job | 9689034200 | Badarpur |
| | Bhushan | P. job | 9813049190 | badarpur |
| | | | | |
| Sanitation Team | | | | |
| | Mukesh | P. Job | 9813231017 | Badarpur |
| | Ram kumar | P. job | 9813500067 | badarpur |
| | | | | |
| Shelter Management Team | | | | |
| | Sunil kumar | Member | 7206016354 | Badarpur |
| | Deepa | Member | 9812111088 | badarpur |
| | | | | |
| Carcass Disposal Team | | | | |
| | Ameet | Member | 9466734076 | Badarpur |
| | Anil kumar | Member | 9215004002 | badarpur |
| | | | | |
| Damage & Need Assessment Team | | | | |
| | Anuj kumar | Member | 9991347927 | Badarpur |
| | Dev kumar | Member | 9050348041 | badarpur |
| | | | | |
| Rehabilitation & Reconstruction Team | | | | |
| | Mukesh | Member | 9813231017 | Badarpur |
| | rinku | Member | 9492955003 | badarpur |
| | | | | |

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 | Shiv kumar | 4 wheeler | | |
| 2 | Mukesh | Bike | | |
| 3 | Gurmeet singh | bike | | |
| 4 | Nisha devi | bike | | |

3.5 Village level Skilled persons

| Name | Expertise | Address | Telephone # |
|------------|-----------|---------|-------------|
| Anil kumar | | | 9666217741 |
| sachin | | | 7206862400 |

| | | | |
|--|--|--|--|
| | | | |
| | | | |
| | | | |
| | | | |
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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.

Put block resource inventory as annexure