

Review and Consultation Workshop on District Disaster Management Plan



Muzaffarpur

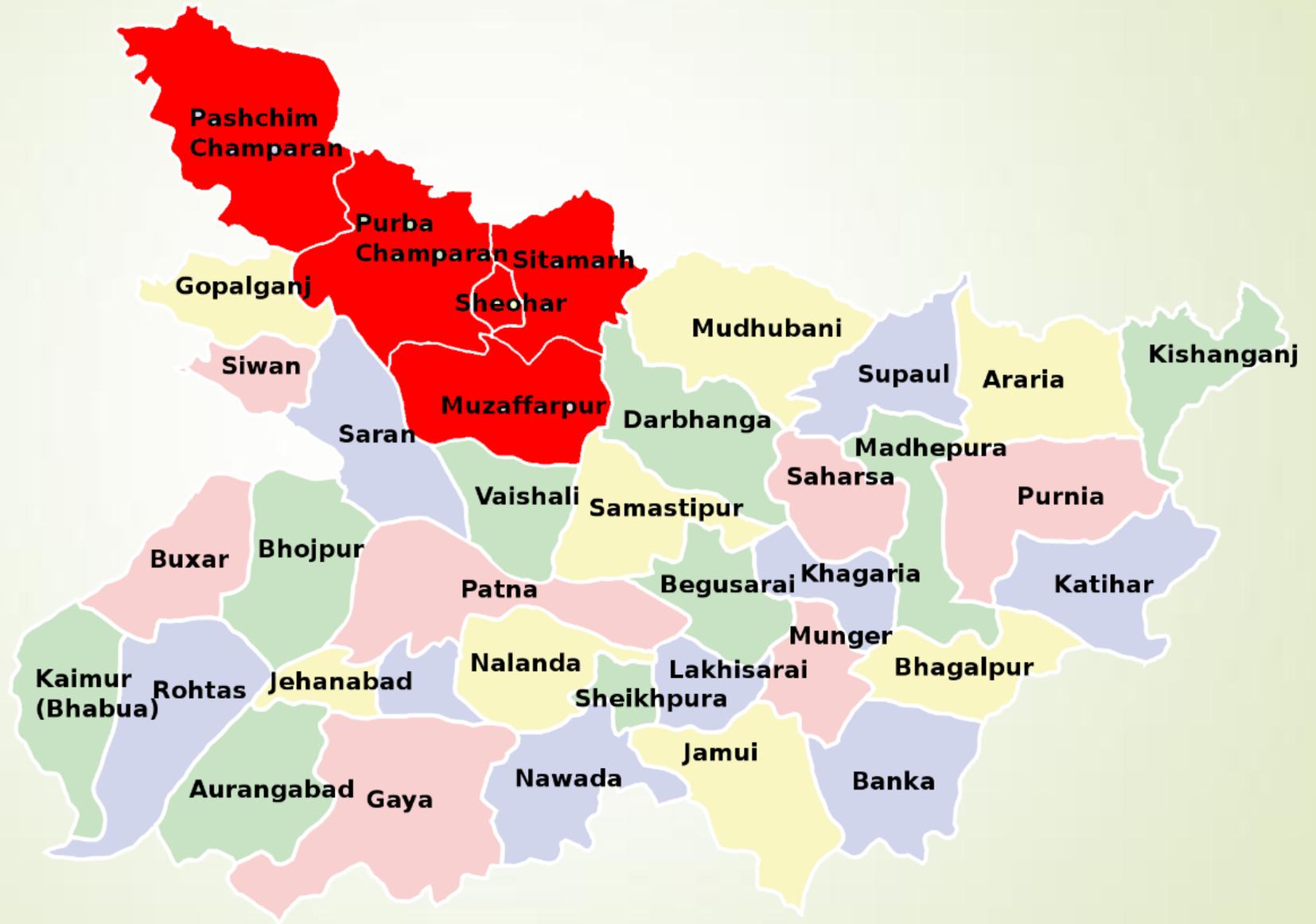
**West
Champaran**

**East
Champaran**

Sitamarhi

Sheohar

Assigned Districts



Resource Persons

Shri Ajit Samaiyar and Shri Vishal Vasvani

District Focal Persons

Sr. No	Districts	District Magistrate	Focal Officer
1	Muzaffarpur	Shri. Dharmendra Kumar	Shri. Avdresh Anand, SDC
2	West Champaran	Shri. Lokesh Kumar	Shri. Mauhamad Khabir, ADM
3	East Champaran	Shri. Anupam Kumar	Shri. Manoj Kumar, SDC
4	Sitamarhi	Shri. Rajeev Kumar	Shri. Chandan Kumar, SDC
5	Sheohar	Shri. Raj Kumar	Shri. Mukesh Kumar, SDC

Salient Points Covered in Inception Report

ENGAGE THE COMMUNITY

INTEGRATE GENDER CONCERNS

INTEGRATE CHILDREN CONCERNS

MAINSTREAM CLIMATE CHANGE ADAPTATION

PREPARE A THOROUGH HVCA (Line Departments, COMMUNITY, SCHOOL, HOSPITAL, Collectorate Building)

ENCOURAGE COMPREHENSIVE DEVELOPMENT (DRR AND DEVELOPMENT)

ADDRESS DISTRICTS' CAPACITY-BUILDING

Highlights of Issues discussed during District level Consultation

- Process of developing DDMP
- Nature of the Hazards prevalent in the district
- Vulnerabilities and Coping Mechanism
- Identification of Vulnerable Areas
- Incident Response System (IRS)/Response Mechanism
- Communication Plan including Early Warning dissemination mechanism in the district
- Functioning of Emergency Operation Centre
- Relief Distribution Plan
- Climate Change Adaptation
- Stakeholder Involvements
- Integrating GIS technology



Issues incorporated following comments and recommendations of Inception Workshop

COMMUNITY ENGAGEMENT



Focus Group Discussion, identifying hazards and underlying risks in the Mankerwa Panchayat of Penahra Block of East Champaran.



Panchayat *Mukhiya* participating in the HVCA at Jamua Panchayat of Bairgania Block of Sitamarhi District

Panchayat Level HVCA



Sand bag and boulder pitching to control river bank erosion near Chilvaniya panchayat of Bettiah block, West Champaran



River bank erosion at Ballor Nidhi Panchayat of Gaighat Block, Muzaffarpur



Area selected against Criteria Applied

Block Name	Name of the Panchayats	Geographic Location	Proximity to the River	Remoteness	Hazards and frequency

East Champaran

Name of the Block	Earthquake	Heat waves	Cold waves	Flash Floods	Floods	Erosion	Drought	Drinking water crisis	Forest Fire	Man Animal Conflict	Health Hazard	Road accident
Adapur	High	Low	Medium	Low	Low	Low	Medium	Low	Low	Low	Low	Low
Areraj	High	Low	Medium	Low	Medium	Medium	Medium	Low	Low	Low	Low	Low
Banjaria	High	Low	High	Low	Low	Low	Low	Low	Low	Low	Low	Low
Bankatwa	High	Medium	Medium	Low	Low	Low	Low	Low	Low	Low	Low	Medium
Chakia	High	Low	Low	Low	Medium	Medium	Low	Low	Low	Low	Low	Medium
Chauradano	High	Medium	Medium	Medium	Low	High	Medium	Medium	Medium	Low	Medium	Medium
Chiraiya	High	Medium	Low	Low	Low	Medium	Medium	Low	Low	Medium	Low	Low
Dhaka	High	Low	Medium	Medium	Low	Medium	Low	Medium	Medium	Low	Medium	Low
Ghorasahan	High	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
Harsidhi	High	Medium	Medium	Low	Low	Low	Low	Low	Low	Low	Low	Low
Kalyanpur	High	Low	High	Medium	Low	Low	Low	Low	Low	Low	Low	Medium
Kesariya	High	Low	High	Low	High	Low	Low	Low	Low	Low	Low	Low
Kotwa	High	Low	Medium	Low	Low	Low	Medium	Medium	Low	Low	Medium	Low
Madhuban	High	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
Mehsi	High	Medium	Medium	Medium	Medium	Medium	Medium	Low	Low	Low	Medium	Medium
Motihari	High	Medium	Low	Low	Low	Low	Medium	Low	Low	Low	Low	Medium
Paharpur	High	Medium	Medium	Low	Low	Low	Low	Medium	Low	Low	Low	Low
Pakridayal	High	Medium	Medium	Low	Low	Low	Low	Low	Low	Medium	Low	Low
Patahi	High	Low	Medium	Low	Low	Low	Medium	Low	Low	Medium	Low	Low
Phenhara	High	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
Piprakothi	High	Medium	High	Medium	Medium	Low	Medium	High	High	Medium	High	Low
Ramgarhwa	High	Low	Medium	Medium	High	Medium	Low	Low	Low	Low	Low	Low
Raxaul	High	Medium	Medium	High	High	Low	Medium	Low	Medium	Low	Medium	Low
Sangrampur	High	Medium	Medium	Low	Low	Low	Low	Low	Low	Low	Low	Low
Sugauli	High	Medium	Medium	Low	Low	Low	Medium	Medium	Low	Low	Low	Low
Tetaria	High	Low	Low	Low	Medium	Low	Low	Low	Low	Low	Low	Low
Turkauliya	High	Low	Medium	Low	Low	Low	Low	Low	Low	Low	Medium	Low

High

Medium

Low

Sheohar

Block	Flash Flood	Flood	Erosion	Drought	Drinking water crisis	Forest Fire	Man Animal Conflict	Health Hazard	Earthquake	Conflict	Cold waves
DUMARI KATSARI	High	High	Low	High	Low	High	High	Low	High	Low	High
PIPRAHI	Low	High	High	High	Low	High	High	Low	High	Low	High
PURNAHIYA	High	High	High	High	Low	High	High	High	High	Low	High
Sheohar	Low	High	High	High	Low	High	High	High	High	High	Low
TARIYANI	Low	Low	Low	High	Low	Low	High	High	High	Low	High

High

Medium

Low

Sitamarhi

Block	Flood	Drought	Soil Erosion	Fire	Earthquake	Heat & Cold Wave	Hailstorm	Storm / Cyclone	Road Accidents	Epidemic	Lightening	Boat capsizing	Man-animal conflict	Snake bite	Naxalism
Bairgania	High	Medium	Medium	Low	High	Medium	Low	Medium	Low	Medium	Low	Low	Low	Medium	Low
Bajpatti	High	Medium	High	Low	High	Medium	Low	Medium	Low	Medium	Low	Low	Low	Medium	Low
Bathnaha	Low	High	Medium	Medium	High	Medium	Low	Medium	Low	Medium	Low	Low	Medium	Medium	Low
Belsand	High	Medium	Medium	Medium	High	Medium	Low	Medium	Low	Medium	Low	Low	Medium	Medium	Low
Bokhra	High	Medium	High	Low	High	Medium	Low	Medium	Low	Medium	Medium	High	High	Medium	Low
Choraut	High	Medium	Medium	Low	High	Medium	Low	Medium	Medium	Medium	Low	Low	Low	Medium	Low
Dumra	Low	High	Medium	Medium	High	Medium	Low	Medium	Low	Medium	Low	Low	Medium	Medium	Low
Majorganj	High	Medium	Medium	Medium	High	Medium	Low	Medium	Low	Medium	Low	Low	Medium	Medium	Low
Nanpur	Medium	Medium	Medium	Low	High	Medium	Low	Medium	Low	Medium	Low	Low	Low	Medium	Low
Parihar	Low	Medium	Medium	Medium	High	Medium	Low	Medium	Low	Medium	Low	Low	Low	Medium	Low
Parsauni	Medium	Medium	Medium	Medium	High	Medium	Low	Medium	Low	Medium	Low	Low	Medium	Medium	Low
Pupri	Medium	Medium	Medium	Medium	High	Medium	Low	Medium	Low	Medium	Low	Low	Medium	Medium	Low
Riga	High	Medium	Medium	Medium	High	Medium	Low	Medium	Low	Medium	Low	Low	Medium	Medium	Low
Runni Saidpur	Low	Medium	Medium	Medium	High	Medium	Low	Medium	Low	Medium	Low	Low	Medium	Medium	Low
Sonbarsa	High	Medium	Medium	Low	High	Medium	Low	Medium	Low	Medium	Low	Low	Low	Medium	Low
Suppi	Medium	Medium	Medium	Medium	High	Medium	Low	Medium	Low	Medium	Low	Low	Medium	Medium	Low
Sursand	High	Medium	Medium	Low	High	Medium	Low	Medium	Low	Medium	Low	Low	Low	Medium	Low

High

Medium

Low

West Champaran

Block	Earth quake	Flash Floods	floods	Soil Erosion	Draught	Heat and Cold Wave	Forest Fire	Fire	Hail Storm	Cyclone	Road Accident	Health Hazard	Man-Animal Conflict
Bagaha	High	High	High	High	Low	Low	Low	Low	Low	Low	Low	Low	Low
Bagha 2	High	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
Bairiya	High	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
Bettiah	High	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
Bhitha	High	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
Chanpatia	High	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
Gaunaha	High	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
Jogapatti	High	High	High	High	Low	Low	Low	Low	Low	Low	Low	Low	Low
Lauriya	High	High	High	High	Low	Low	Low	Low	Low	Low	Low	Low	Low
Madhuban	High	High	High	High	Low	Low	Low	Low	Low	Low	Low	Low	Low
Mainatand	High	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
Majhaulia	High	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
Narkatiaganj	High	High	High	High	Low	Low	Low	Low	Low	Low	Low	Low	Low
Nautan	High	High	High	High	Low	Low	Low	Low	Low	Low	Low	Low	Low
Piprasi	High	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
Ramnagar	High	High	High	High	Low	Low	Low	Low	Low	Low	Low	Low	Low
Sikta	High	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
Thakaraha	High	High	High	High	Low	Low	Low	Low	Low	Low	Low	Low	Low

High

Medium

Low

Muzaffarpur

Block	Flood	Flash Flood	Erosion	Earthquake	Drought	Forest fire	Domestic Fire	Cyclone	Heat waves	Cold waves	Road accident	Animal Epidemic	Human Epidemic	Man-Animal Conflict
Aurai	High	Low	Low	High	Low	Low	Low	Medium	Medium	Medium	Low	Low	Medium	Medium
Bandra	Low	Low	Medium	High	Low	Low	Low	Medium	Medium	Medium	Low	Low	Medium	Medium
Bochaha	High	Medium	Low	High	Low	Low	Low	Medium	Medium	Medium	Low	Low	Medium	Medium
Gayghat	High	Medium	Low	High	Low	Low	Low	Medium	Medium	Medium	Low	Low	Medium	Medium
Kati	Low	Low	Medium	High	Low	Low	Low	Medium	Medium	Medium	Low	Low	Medium	Medium
Katra	High	Medium	Low	High	Low	Low	Low	Medium	Medium	Medium	Low	Low	Medium	Medium
Kurhani	Low	Medium	Medium	High	Low	Low	Low	Medium	Medium	Medium	Low	Low	Medium	Medium
Marwan	Low	Medium	Medium	High	Low	Low	Low	Medium	Medium	Medium	Low	Low	Medium	Medium
Minapur	Low	Medium	Medium	High	Low	Low	Low	Medium	Medium	Medium	Low	Low	Medium	Medium
Motipur	Low	Low	Low	High	Low	Low	Low	Medium	Medium	Medium	Low	Low	Medium	Medium
Muraul	Low	Medium	Medium	High	Low	Low	Low	Medium	Medium	Medium	Low	Low	Medium	Medium
Mushahari	Low	Medium	Medium	High	Low	Low	Low	Medium	Medium	Medium	Low	Low	Medium	Medium
Paroo	High	High	High	High	Low	Low	Low	Medium	Medium	Medium	Low	High	Medium	Medium
Sakra	Low	Medium	Medium	High	Low	Low	Low	Medium	Medium	Medium	Low	Low	Medium	Medium
Saraiya	Low	Medium	Medium	High	Low	Low	Low	Medium	Medium	Medium	Low	Low	Medium	Medium
Shahebganj	High	Low	Low	High	Low	Low	Low	Medium	Medium	Medium	Low	Low	Medium	Medium

High Medium Low

INTEGRATE GENDER AND CHILDREN CONCERNS



Child Risk Assessment during HVCA of Madhupur Hajari Panchayat of Sahebganj Block of Muzaffarpur District



Women Risk Assessment at Mankerwa Panchayat of Penahra Block of East Champaran District

Value-added Activities

School Safety Assessment

CRCs participating in School Safety Assessment orientation training programme, West Champaran



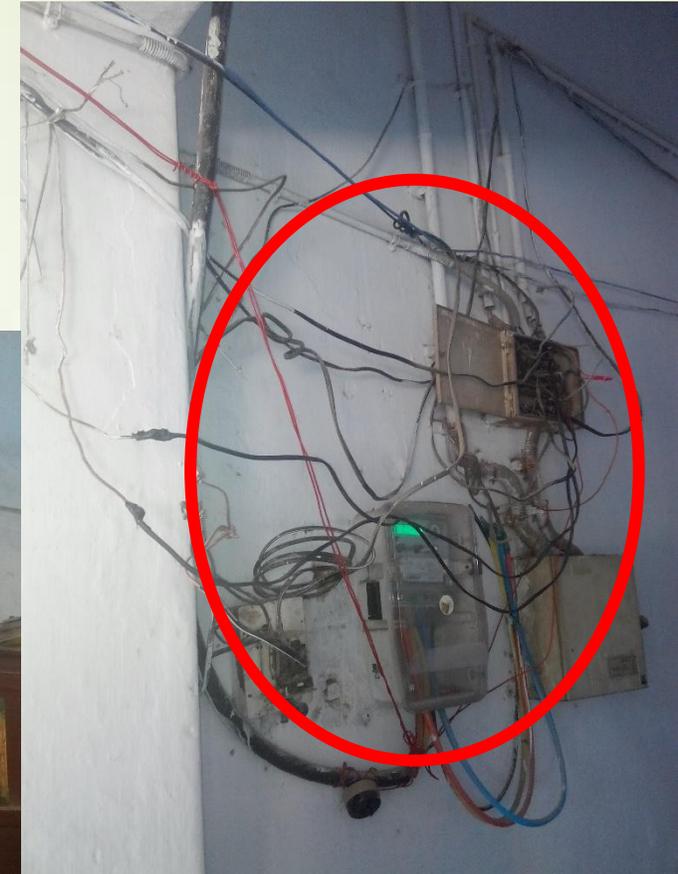
Teachers participating in School Safety Assessment orientation training programme, Muzaffarpur

School Safety Assessment



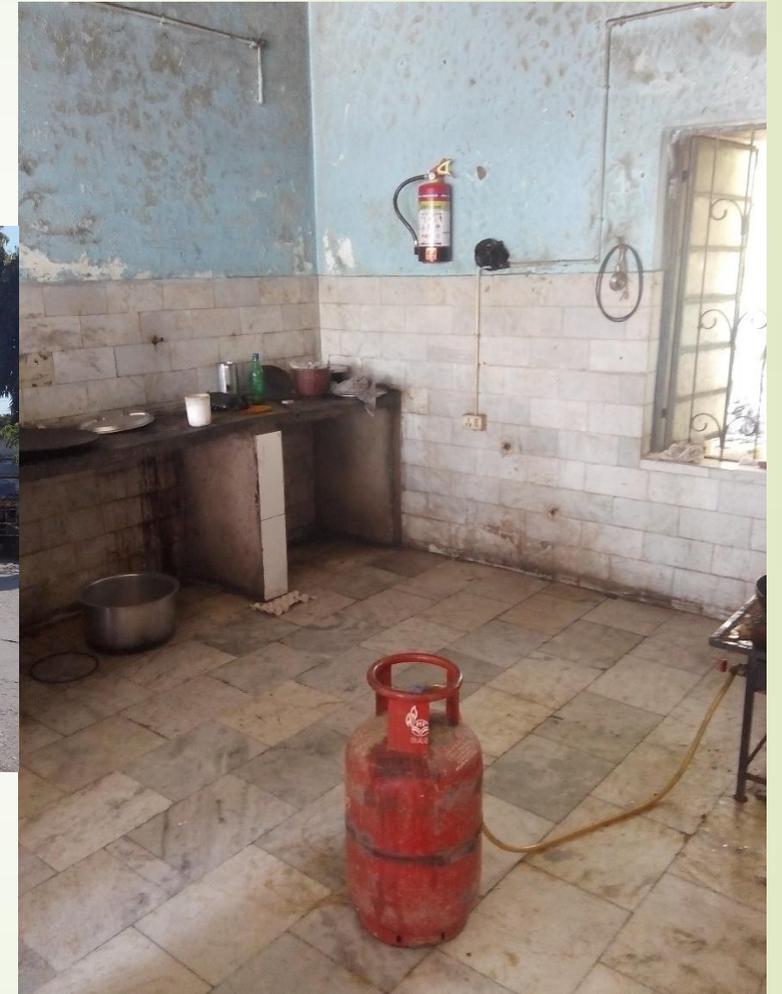
Fire Safety Assessment at Primary School Tilak
Tajpur Panchayat of Runnisaipur Block of

Office Safety Assessment to develop Office Disaster Management Plan of Collectorate Building



Risk Assessment of
Collectorate
building,
Muzaffarnur

Hospital Safety Assessment



Fire Safety Assessment at Sadar Hospital,
Bottich

Highlights of important issues discussed during individual consultations with stakeholders

One-to-one consultation with departments

Disasters faced by departments and Impact of disasters on Departmental functioning

Departmental Preparedness and response mechanism

Departmental capacity analysis

Departmental DRR Plan

Consultation with BDOs and COs

Identification of hazards in the block

Identification of vulnerable areas in the block

Identification of areas of improvement

Response mechanism at block level

Panchayat level HVCA

Community Consultation with specific focus on women and children groups

Identification and visiting of vulnerable points

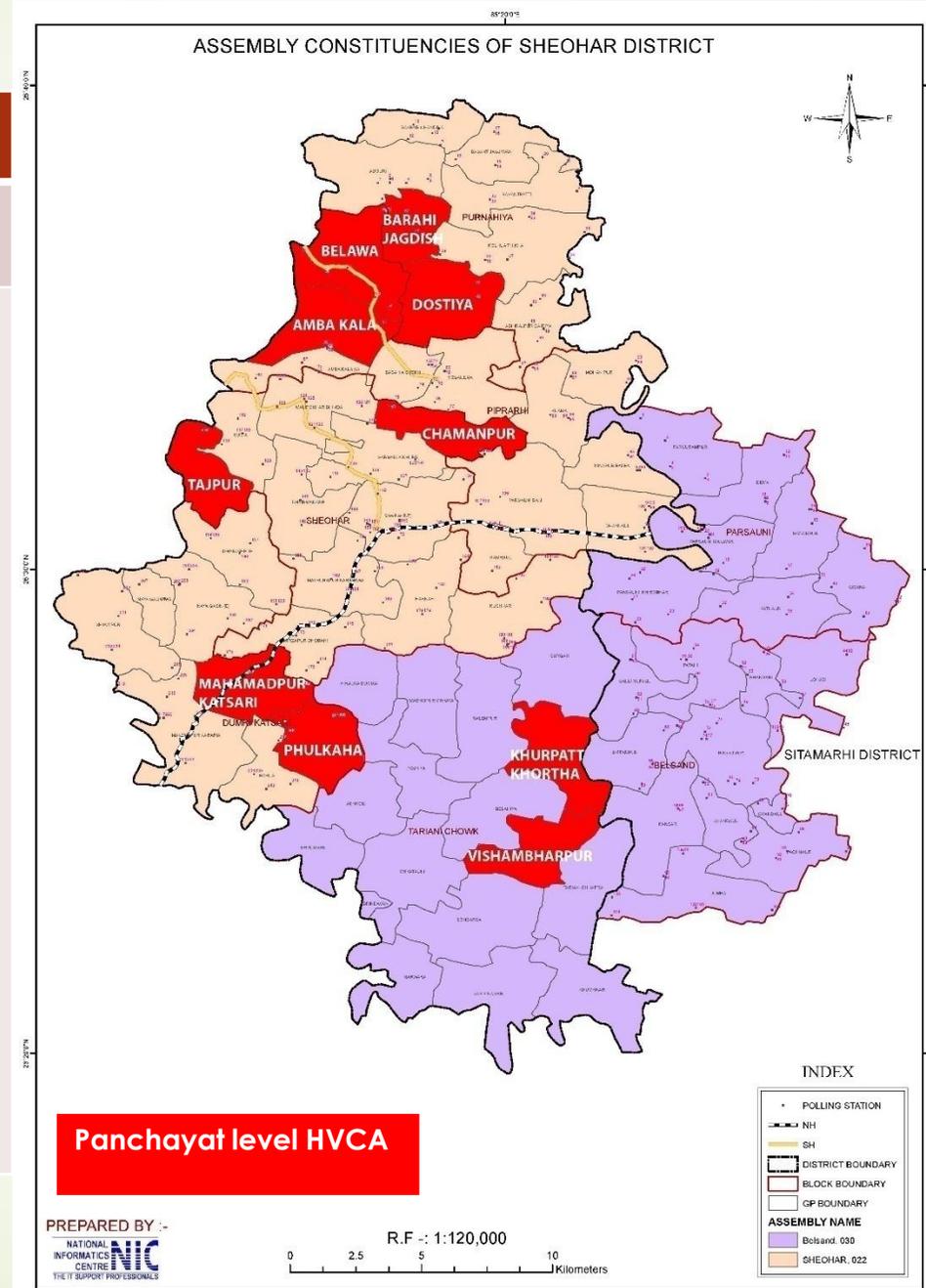
Identification of vulnerable groups and understanding key issues

Understanding cross cutting issues such as understanding specific problems and needs of differently abled persons.

HVCA activities in districts

Sheohar District

HVCA Activities performed	Important findings	Issues	Highlights
<ul style="list-style-type: none"> Department wise SWOT Block wise Hazard mapping Panchayat Level HVCA School Safety Assessment Hospital Safety Assessment Office Safety Assessment (of Collectorate Building) 	<ul style="list-style-type: none"> Hazard based on its frequency: <ul style="list-style-type: none"> Earthquake floods, droughts, fire, erosion and Man-Animal Conflict Critical lifeline buildings like Hospitals and schools are at high risk Lack of resources (equipments + trained Manpower) Lack of proper availability of resources in EOC 	<ul style="list-style-type: none"> Human Induced disaster risk is increasing like areas that were earlier facing severe floods are now facing drought due to construction of embankment Newly carved district- lack of sufficient manpower and resources 	<ul style="list-style-type: none"> Urgent need of proper training and capacity building



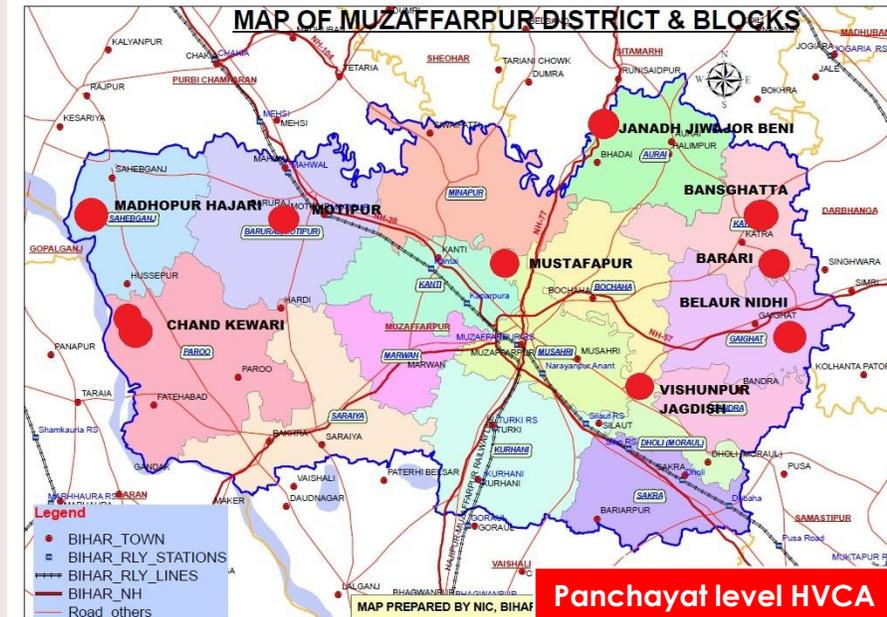
West Champaran District

HVCA Activities performed	Important findings	Issues	Highlights
<ul style="list-style-type: none"> Department wise HVCA Block wise Hazard mapping Panchayat Level HVCA School Safety Assessment Hospital Safety Assessment Office Safety Assessment (of Collectorate Building) 	<ul style="list-style-type: none"> Hazard based on its frequency: <ul style="list-style-type: none"> Earthquake floods, droughts, forest Fire fire, erosion and Man-Animal Conflict, Lack of proper availability of resources in EOC Proper Early warning system established (Indo-Nepal Trans-Boarder Early Warning System) 	<p>Human Induced disaster risk is increasing</p> <ul style="list-style-type: none"> Like Increasing river bank erosion in areas bordering to Nepal due to non availability of protection wall 	<ul style="list-style-type: none"> Urgent need of construction of bunds and protection wall in erosion prone areas Urgent need of proper training and capacity building Need for linking of early warning system to EOC



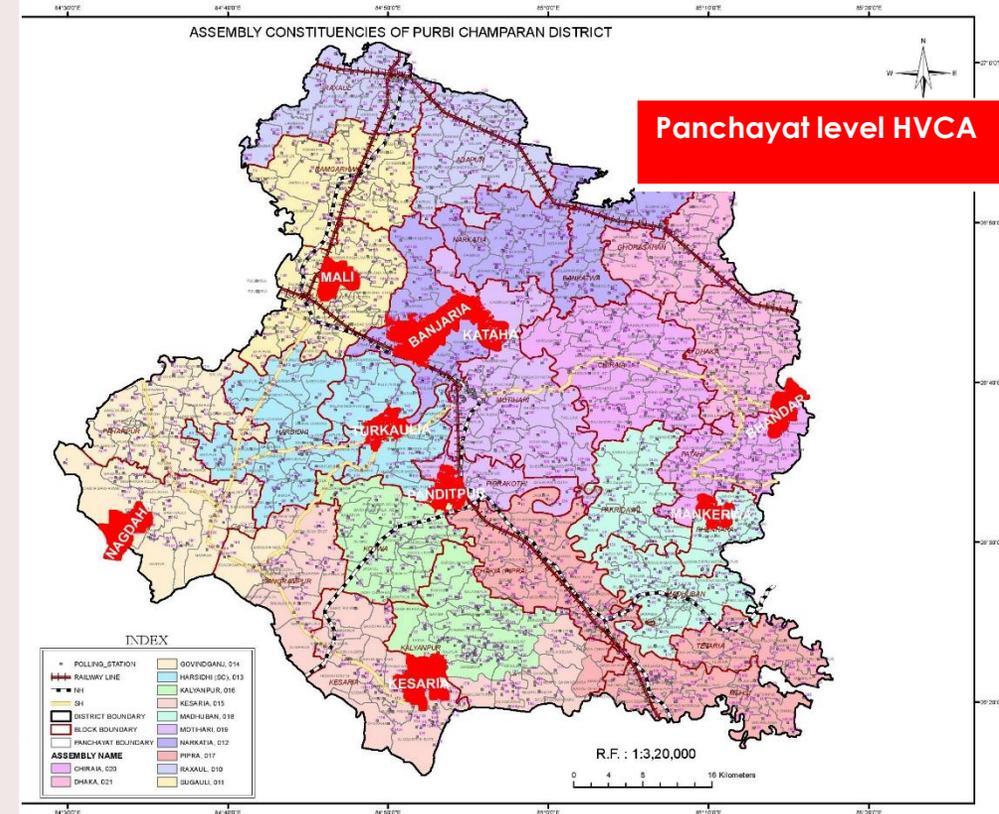
Muzaffarpur District

HVCA Activities performed	Important findings	Issues	Highlights
<ul style="list-style-type: none"> • Department wise HVCA • Block wise Hazard mapping • Panchayat Level HVCA • School Safety Assessment • Hospital Safety Assessment • Office Safety Assessment (of Collectorate Building) 	<ul style="list-style-type: none"> • Hazard based on its frequency: <ul style="list-style-type: none"> • floods, • earthquake • droughts, • fire, • erosion and • Man-Animal Conflict • Critical lifeline buildings are at high risk • Lack of resources (equipments + trained Manpower) • Lack of Proper Institutional Mechanism • Lack of proper availability of resources in EOC • Lack of proper early warning system 	<ul style="list-style-type: none"> • Climate-related disaster risk is increasing due to changing weather pattern • Increasing unplanned development 	<ul style="list-style-type: none"> • Urgent need of proper training and capacity building • Need for upgradation of EOC



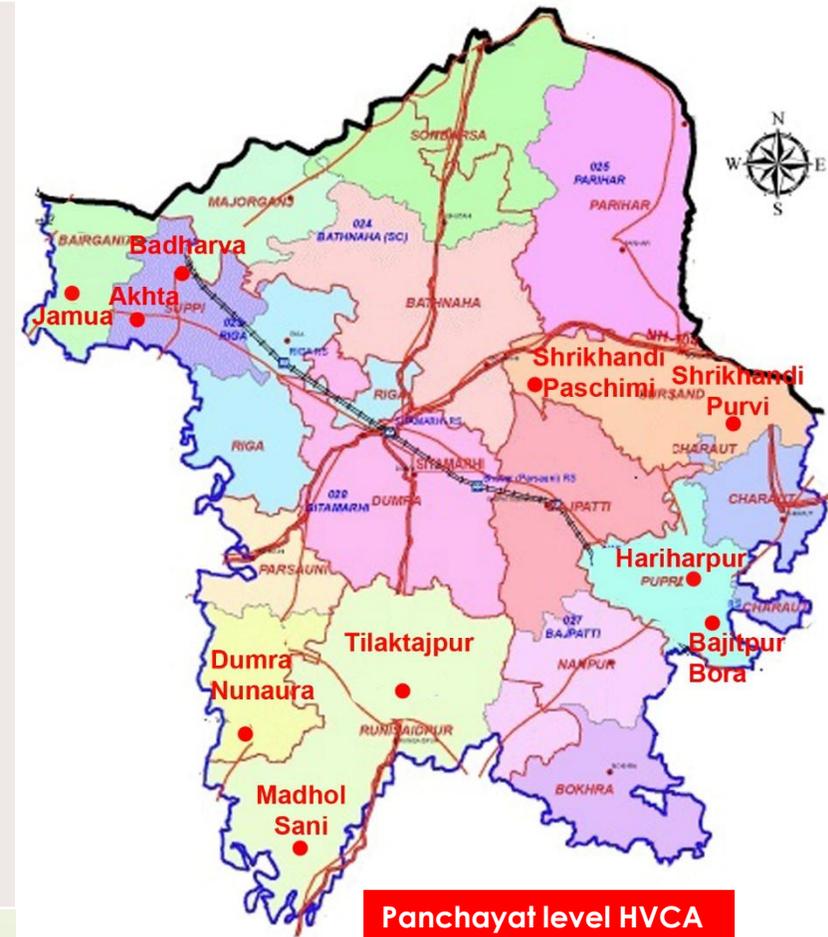
East Champaran District

HVCA Activities performed	Important findings	Issues	highlights
<ul style="list-style-type: none"> • Department wise HVCA • Block wise Hazard mapping • Panchayat Level HVCA • Urban Risk Assessment • School Safety Assessment • Hospital Safety Assessment • Office Safety Assessment (of Collectorate Building) 	<ul style="list-style-type: none"> • Hazard based on its frequency: <ul style="list-style-type: none"> • earthquake, • floods, • droughts, • fire, • erosion and • Man-Animal Conflict • Critical lifeline buildings are at high risk • Lack of proper availability of resources in EOC 	<ul style="list-style-type: none"> • Lack of proper mechanism for protection and management of heritage sites like Kesariya Stupa • Unplanned development 	<ul style="list-style-type: none"> • Urgent need of proper training and capacity building • Need for linking of early warning system to EOC

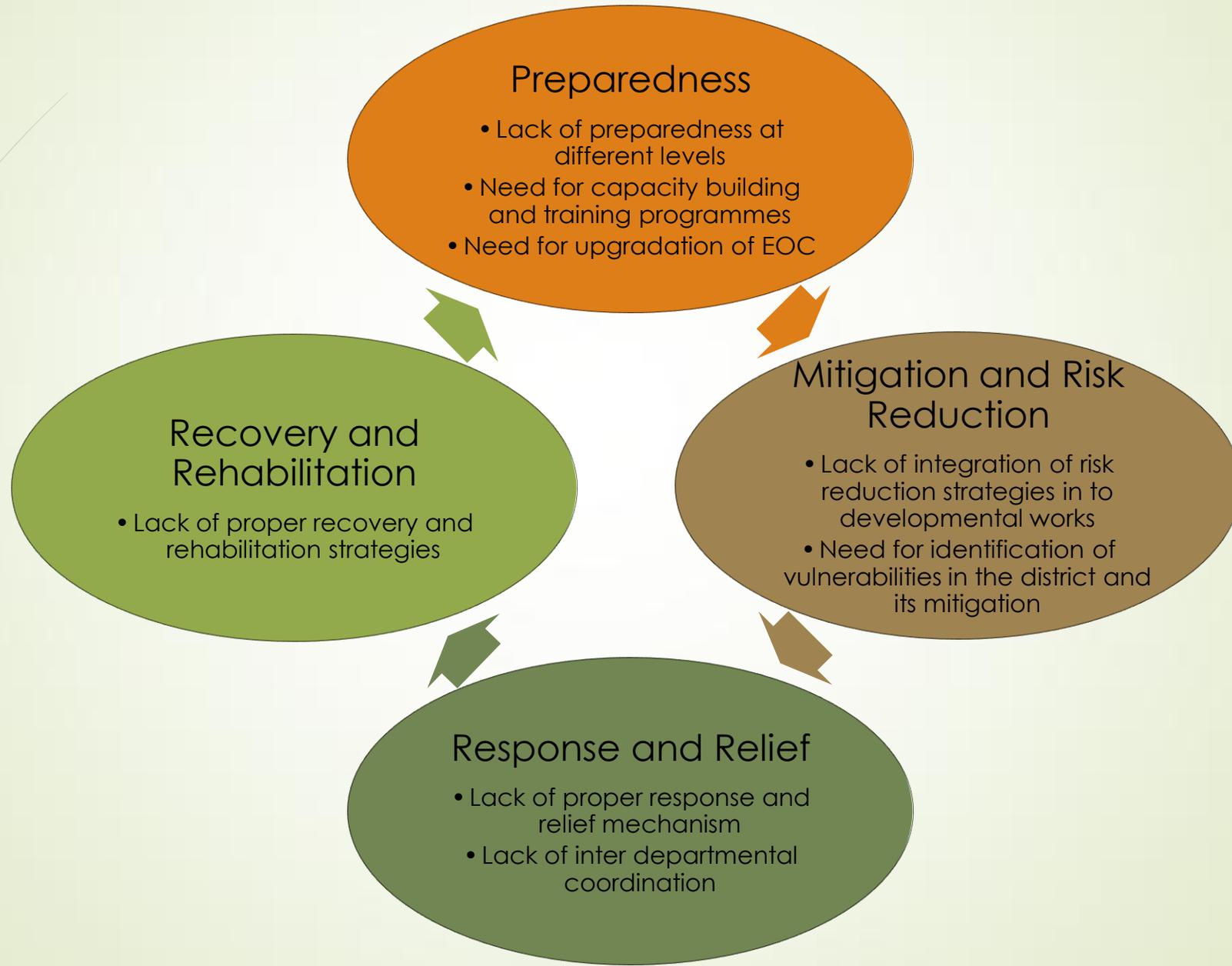


Sitamarhi District

HVCA Activities performed	Important findings	Issues	highlights
<ul style="list-style-type: none"> Department wise HVCA Block wise Hazard mapping Panchayat Level HVCA School Safety Assessment Hospital Safety Assessment Office Safety Assessment (of Collectorate Building) 	<ul style="list-style-type: none"> Hazard based on its frequency: <ul style="list-style-type: none"> earthquake, floods, droughts, fire, erosion, Man-Animal Conflict, Snake Bite, Boat Capsizing Critical lifeline buildings are at high risk Lack of proper availability of resources in EOC Non availability of transportation in remote areas 	<ul style="list-style-type: none"> Climate Induced disaster risk is increasing due to changing weather pattern Increasing river bank erosion 	<ul style="list-style-type: none"> Urgent need of proper training and capacity building Need of equipping EOC



Issues and findings relating to various phases of DM Cycle



Environment and CCA

Environmental Vulnerability Assessment

- Assessing environmental vulnerability
- Assessing impacts of urbanisation and unplanned development

Identification of Climate induced disasters

- Increasing frequency of floods, droughts, heat and cold waves, untimely rainfall etc.

Integration of DRR actions for Climate Change

- Integration of developmental schemes for sustainable development
- Climate Change Action Plan covering sector wise coping mechanism for Climate Change

Cross-cutting issues

Women Centred Risk Assessment

- Lack of women participation and gender sensitivity in disaster management planning
- Women are highly vulnerable due to negligence of their special needs and concerns like, related to sanitation and hygiene as well as concerns of pregnant women and adolescent girls during disasters.

Child Centred Risk Assessment

- Lack of children's participation
- Children are highly vulnerable due to negligence of their special needs and concerns like related to psychosocial care

Identification of needs of Capacity Building in all stakeholder consultations

- Identification of special needs and concerns of women, children and differently abled persons and possible ways of merging their issues in DDMP

Livestock

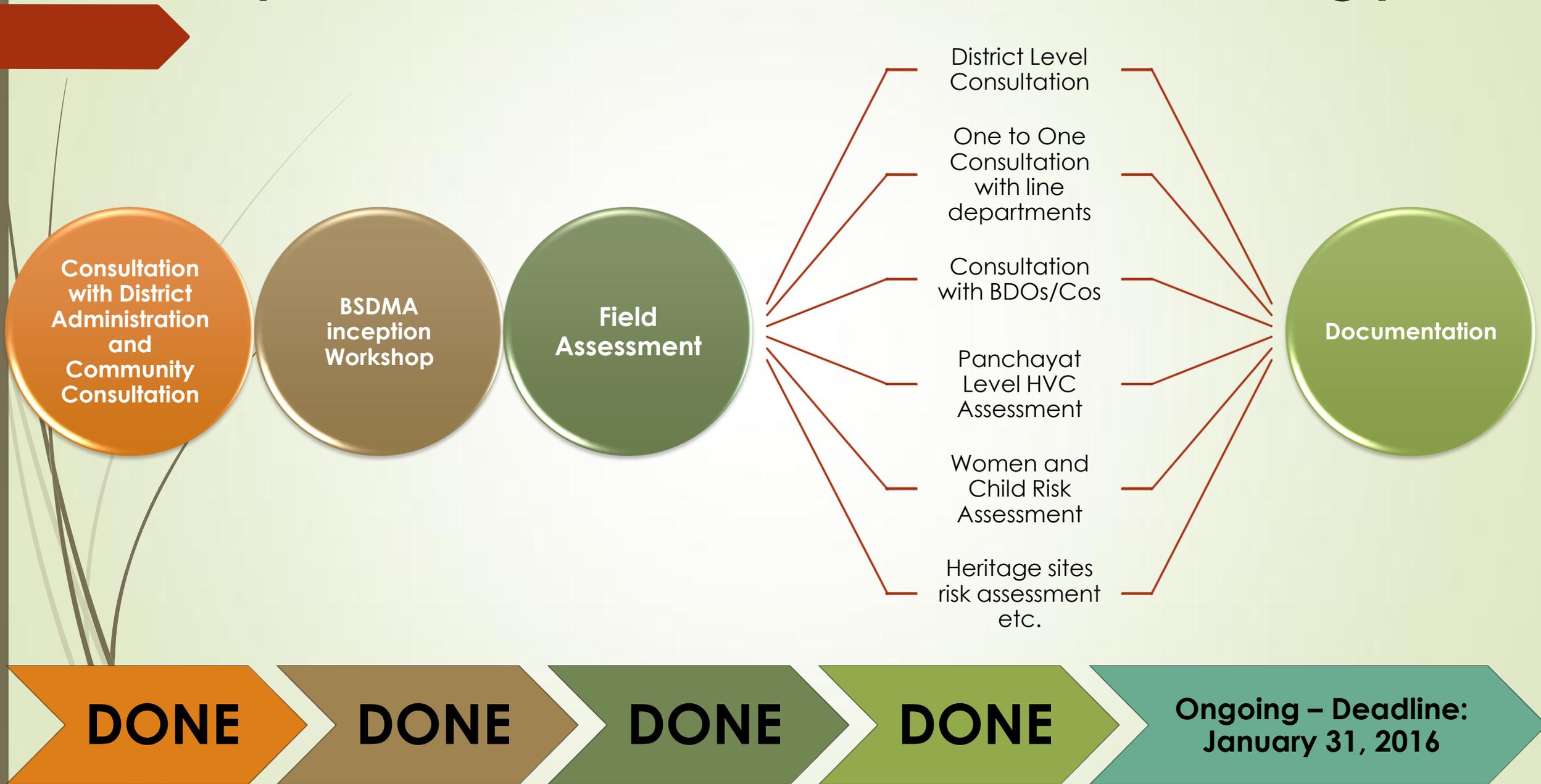
- Discussed key issues related to livestock with concerned departments like dept. of Animal Husbandry
- Lack of proper mechanism for livestock management during disasters
- Need for identification of livestock shelters, proper stock of fodder, medicines etc.

Innovative measures in making DDMP and good practices shared

- Bottom up approach
- Under the ownership and leadership of District Administration
- Linking departmental day to day activities with DRR activities like for example: integrating activities of Member of Parliament Local Area Development Scheme (MPLADS) like - Construction of flood control embankments, Construction of common shelters for cyclones, Floods and handicapped, Purchase of motor boats for flood and cyclone prone areas, Retrofitting of essential lifeline buildings, viz Govt. hospitals, Govt. Schools and public buildings to be used as shelters in an emergency, Early Warning Systems for effective disaster mitigation etc. in to DRR activity.
- Thorough HVCA
- Departmental SWOT analysis so that sector/department specific improvement can be done

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- School Safety audits of all government schools of district head quarter.
 - Hospital Safety Assessment of government hospitals (Sadar, Referral, CHCs and PHCs)
 - Office Safety Assessment for developing Office Disaster Management Plan of Collectorate Buildings
 - Women and Child Centred Risk Assessment
 - Climate Change Risk Assessment
 - Capacity Building Trainings of CRCs, Teachers, Hospital Management Staffs, DDMA staff

Proposed activities and timelines for remaining period





Next Actions:

- Consultation with District Administration on HVCA findings for their inputs and finalisation
 - Review of draft plans by District Administration
 - If needed further field visits
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Recommendations

- Disaster Ready Tool to be implemented and used by each district (**UNICEF's Tool**)
- More trainings to strengthen DDMAAs
- Highlight role DDMAAs at district level
- Implementation of DDMP

Thank You

