

# Integrating DRR into Development in Chitwan

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**District Development Committee,  
Chitwan, Nepal**



District Development Committee, Chitwan

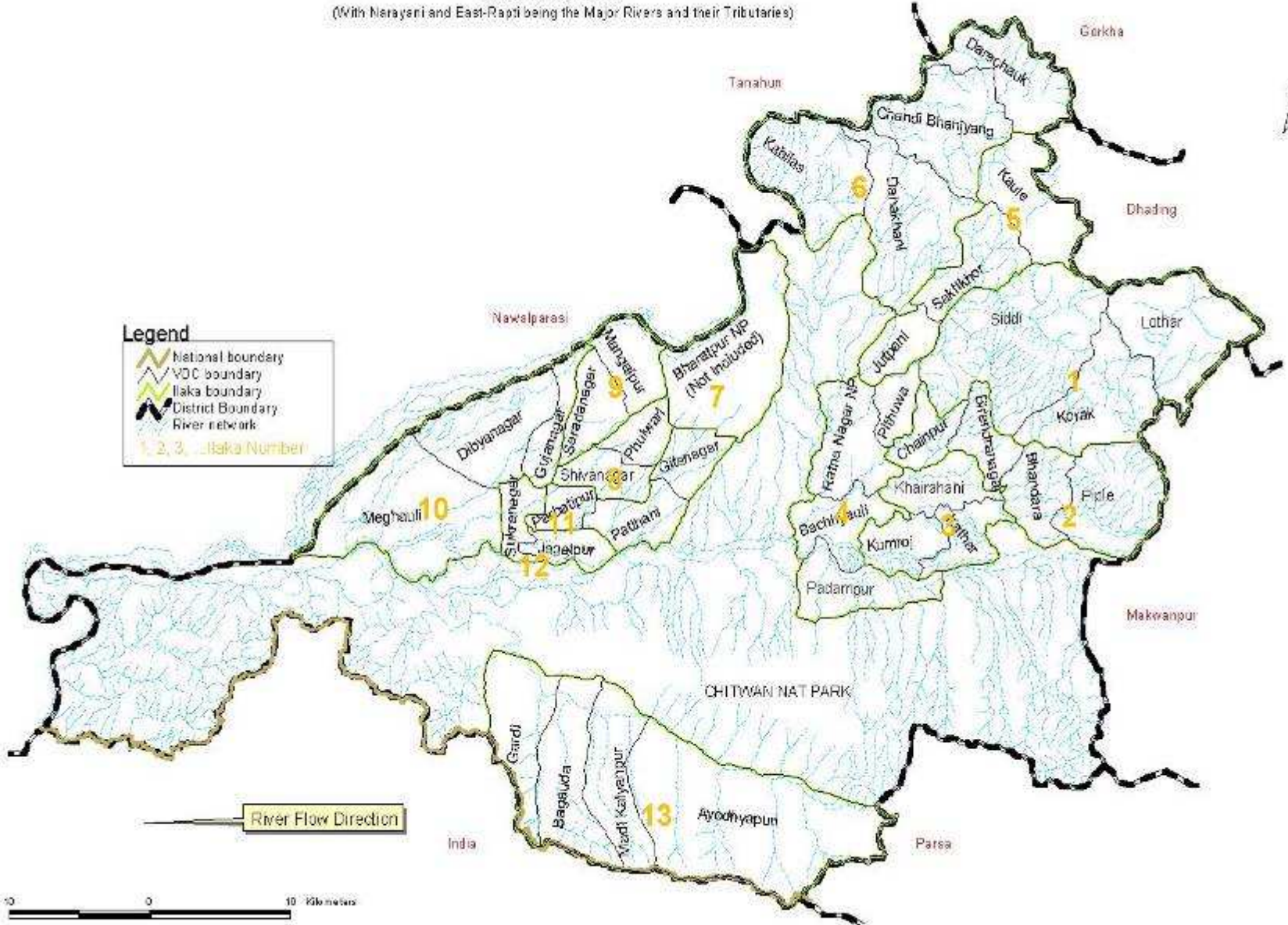
# Vulnerabilities and Disaster Risks

- Geographically, the district covers hilly region and inner Terai (plain region): 9 VDCs - hill, 27 VDCs and 2 Municipalities - inner terai
- Two major rivers: Narayani and Rapti, and other smaller streams create risk of flood in the downstream villages and landslide in the upstream villages – monsoon season
- Drought prevails during November to May
- Wildlife intrusion to farmers' field from National Park – round the year
- Forest fire during dry season – affect villages near forests



# River Network

(With Narayani and East-Rapti being the Major Rivers and their Tributaries)

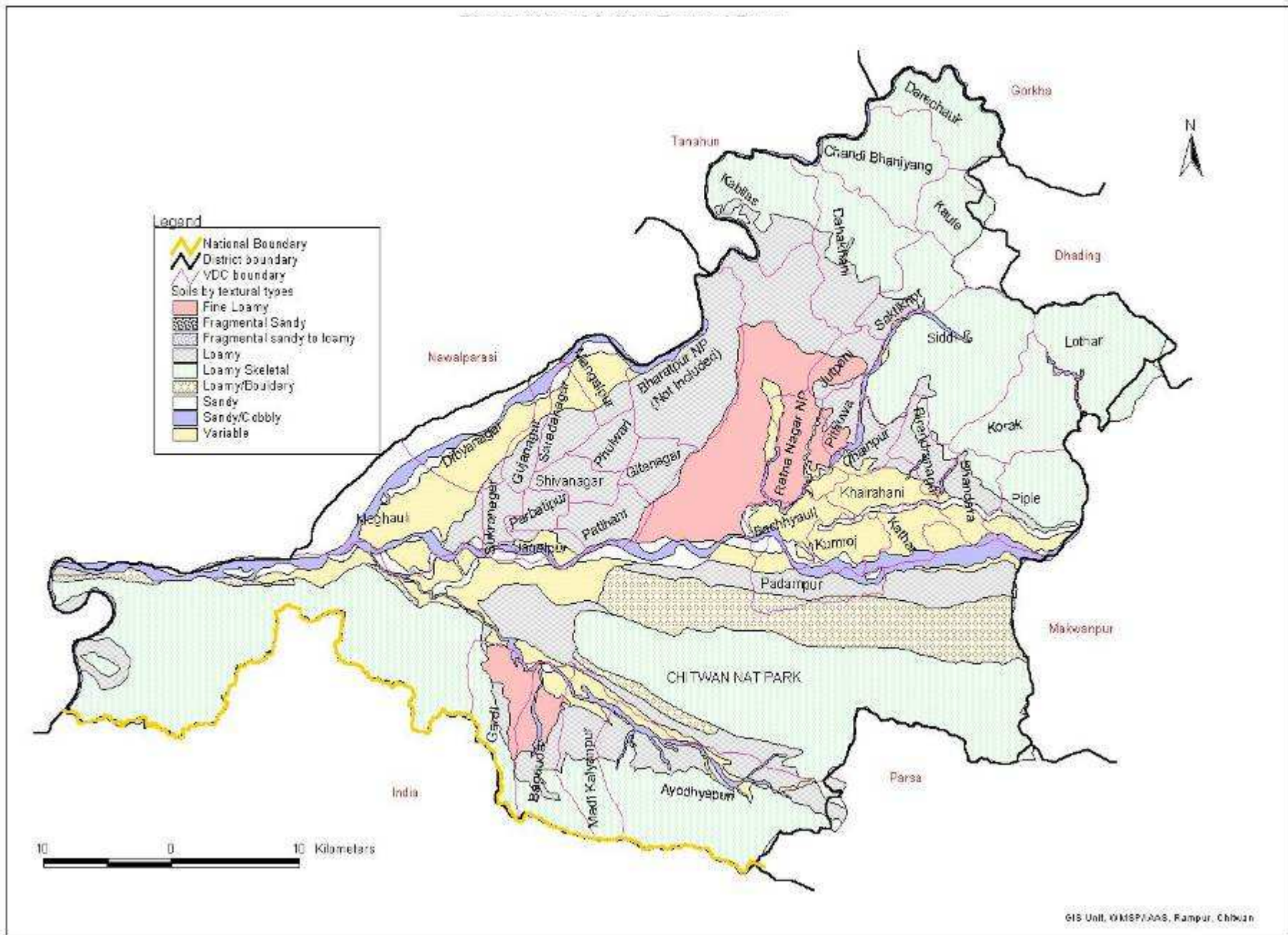


**Legend**

- National boundary
- VDC boundary
- Ilaka boundary
- District Boundary
- River network
- 1, 2, 3, ... Ilaka Number

River Flow Direction

0 10 Kilometers



# DRR and Development Activities

- District has prepared
  - District disaster management action plan, 2004
  - Community based Disaster Management Plan of 31 VDCs and 1 Municipality, 2008
- DDC allocates budget for disaster risk reduction activities (Structural and non-structural)
- DDC is secretariat to District Disaster Management Committee
- Organize pre-monsoon disaster preparedness workshops
- Implements regular activities like irrigation schemes, road, bridge/culverts construction, hospital support – part of DRR and Development



# DRR and Development Activities

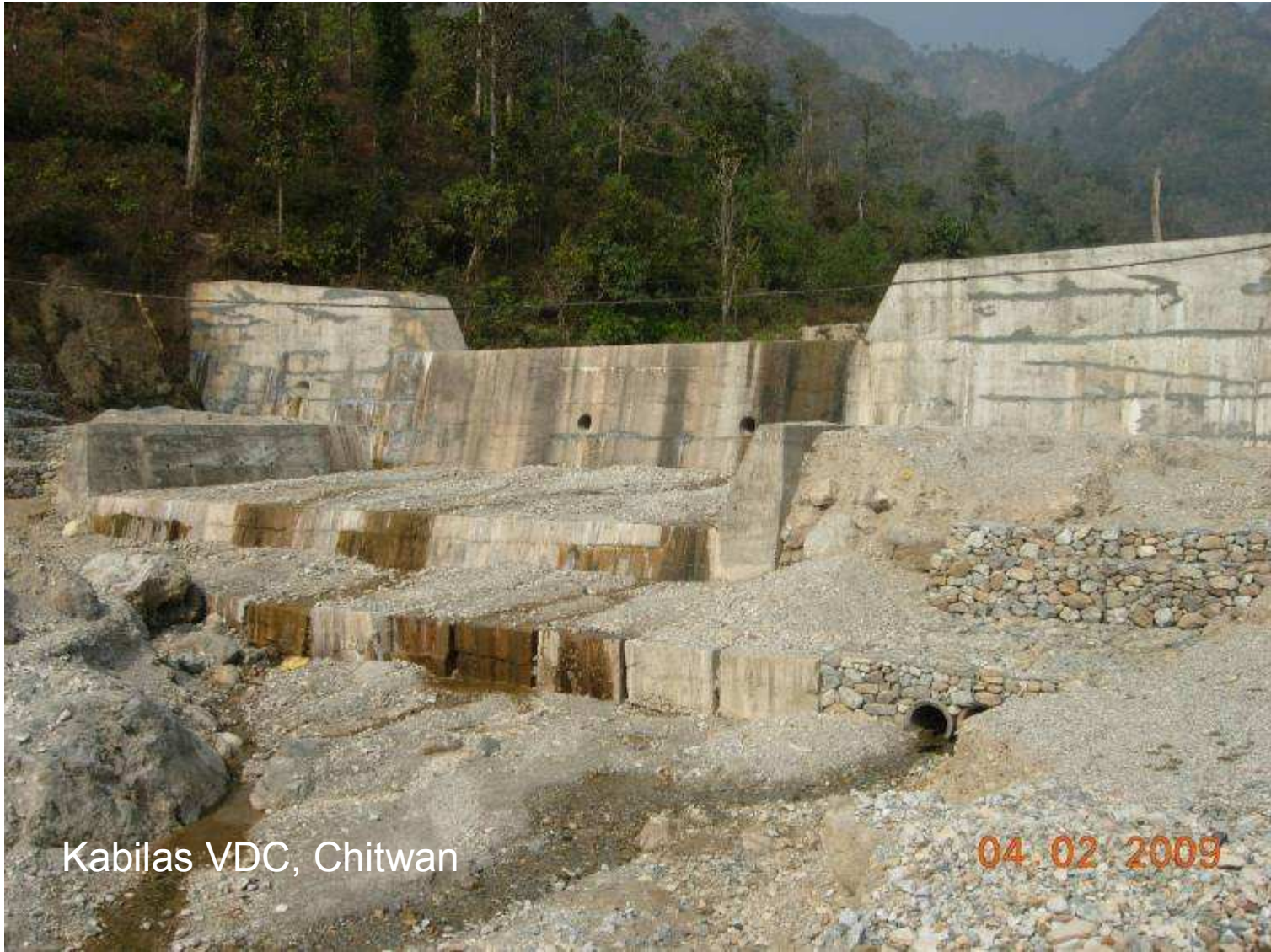
- Temporary shelters identified in flood prone VDCs
- DDC is on the way to make the district Open-Defecation-Free district
- Coordinate with Redcross and allocate budget for school disaster management program for children and teacher
- Work closely with line agencies like District Forest Office, Agriculture Development Office, Water and sanitation, Soil Conservation Office etc.
- Disaster Management Committee (DMC) formed and active in 14 VDCs



# DRR and Development Activities

- Early warning communication system established in the district
- Regular trainings to VDC secretaries and other official staffs
- Provision of Disaster Focal Person in DDC
- Support for construction of check dams, river training, flood control dams, Gabion boxes etc.
- Alternate income Generation Activities for vulnerable families
- Joint DRR activities implementation with Development Organizations (INGOs)





Kabilas VDC, Chitwan

04.02.2009





Baghauda VDC, Chitwan



District Development Committee, Chitwan



Early Warning  
Tower at Megghauli  
VDC, Chitwan



District Development Committee, Chitwan



Shallow Tube Well Installation,  
Patihani VDC, Chitwan





Rescue Training and Mock Drill,  
Darechowk VDC, Chitwan





Vegetable farming - alternative income generation, Meghauri VDC, Chitwan



# Flood Early Warning, Preparedness and Rescue Management Telephone list

## Narayani and Rapti River, Chitwan District

### Narayani River flood level information:

Flood Gauge Station, Devghat: Krishna Bahadur Adhikari - 9806880380

### Rapti River flood level information:

Flood Gauge Station, Rajaiya, Makwanpur: Badri Dhakal - 9845164691

Indicators for Flood in Narayani River - Based on Kolhuwa VDC, Nawalparasi

Normal - If water level below 6.8 meter	Danger - If water level between 6.8 to 8 meter	Evacuate - If water level above 8 meter
Instantly updated water level of Narayani River is also available in Department of Hydrology and Meteorology (DHM) website: <a href="http://www.hydrology.gov.np/">http://www.hydrology.gov.np/</a> . Click on Flood Forecasting >Real Telemetry Data >Narayani Basin. Information on waterlevel of Narayani and Rapti River can also be obtained from DHM's phone number 01-6208415		

### Telephone numbers of relevant agencies for Early Warning, Rescue, Relief and other emergency supports

Office	Phone Number	Office	Phone Number
District Disaster Relief Committee	056-521944 9855055333	District Development Committee	056-520332 9855055178
Nepal Army, Bharatpur	056-520222 9745055050	District Police Office	056-520999 9555057666
APF, Border Security Office	056-520544	APF, Gadimai Gad, Bhandara	056-550499
District Health Office	056-520269	Department of Hydrology	01-4262974
Water and Sanitation Division Office, Bharatpur	056-522204	Nepal Redcross Society	056-520133
Press Union	056-532650	Jal Uthpanna Prakop Niyantaran Division Office	056-532499
Nepal Telecom	9855045266	Nepal Electricity Authority, Bharatpur	056-520329 9745045712
District Hospital, Bharatpur	056-524300	Fire Brigade, Bharatpur	056-521083
Janatako Tatbandhan, Field Office 4, Narayani River	056-524461	Chitwan Chamber of Commerce	056-520108

### Ambulance, driver's name and Contact Number

Driver's name & Office	Phone Number	Driver's name & Office	Phone Number
Redcross District Branch Chitwan	056-520133 9845055745	Santosh Gurung Redcross Saradanagar	9845056637 056-582728
Jhankial Shrestha Redcross Jutpani	056-561133 9845043709	Padamraj Pant Redcross Khairahani	9855059058 056-582685
Durga Bahadur Ranabhat Redcross Diyanagar	9855058474	Krishan Bartaula Samadakh Swastha Sewa, Kumroj	9845068098 056-550046
Gamb Bahadur Gurung Redcross Papatpur	9845050545	Lokraj Silwal Yugyoti Youth Club, Pipile	9845327666
Dhurba Prashad Pathak Redcross Bhandara	056-550133 9845070133	Krishan Prashad Subedi Banglamukhi Trust, Pipile	9845047064
Shiva Prashad Silwal Redcross Birendranagar	056-583244 9845139078	Gopal Adhikari Chitwan Hospital, Bharatpur	056-527672 9845245393
Dipak Thapa, Nepal Family Planning Association, Bharatpur	056-520164 9845046906	Gyan Bahadur Lama Hotel Association, Ratnanagar	056-561200 9845066762

### Radio and Television

Name	Phone Number	Name	Phone Number
Radio Nepal	9845053744	Radio Narayani 105.2 MHz	056-621698
Radion Triveni 100.6 MHz	056-533141	Kantipur TV/FM	9845048970
Hamro FM 94 MHz	056-532996	Avenues TV	9845050945
Radio Chitwan 94.6 MHz	056-562567	News 24	9845023612
Vijay FM 101.6 MHz	056-501406	Beso Channel	056-522349
Kalika FM 95.2 MHz	056-527159	Unique Channel	056-522654
Synergy FM 91.6 MHz	056-526917	Kalash TV	9845050985

### Nepal Army and Armed Police Force

Nepal Army	Phone Number	Armed Police Force	Phone Number
Nepal Army, Bharatpur	056-520222	Armed Police Force, Border Security Office, Bharatpur	056-520544
Nepal Army, Muglin	056540266		
Nepal Army, Jugedi	056-620203	APF, Gadimai Gad, Bhandara	056-550499
Nepal Army, Aaptari	056-526677	APF Base Camp, Kurintar	056-540110
Nepal Army, Kasara	056-620600	APF Toll Free Emergency Number	1114

### Narayani and Rapti River affected VDCs, Redcross, Police and Sub/Health Posts

SN	VDC	Ph. Number	Sub/Health Posts	Redcross	Police	Ph. Number
<b>Narayani River</b>						
1	Mangalpur	9845066588	9845221984	9855057996	Ward Police Office, Narayanghad	056-520146
2	Gunjanagar	9845050881 056-591314	9845179264		Police Office, Chanauli	056-591339 9845083635
3	Diyanagar	9845397559 056-620261	9845084713	9855060217	Ilaka Police Office, Diyanagar	056-694680
4	Meghauli	9845050088 056-620610	9845062922	9845049811		
<b>Rapti River</b>						
1	Pipile	9855058224	9845047178	9845028178	Ilaka Police Office, Bhandara	056-550629 9806895032
2	Bhandara	9845054915 056-505015	9845052270	9845052209		
3	Kathar	9741078310 056-620474	9845053236		Ilaka Police Office, Khairahani	056-582099 9845066614
4	Kumroj	9845079399	9845050131	9855058628	Police Office, Bachauli	056-580099 9845065099
5	Bachauli	9845054920 056-580003	9845221090	9845117271		
6	Pathani	9845048425 056-621283	9845046311	056-620442	Ilaka Police Office, Gitanagar	056-691904 9807843836
7	Jagatpur	9845048456	9845053730	056-620407		
8	Sukranagar	9845051642 056-620415	9845026696	9845069164	Ilaka Police Office, Diyanagar	056-694680
9	Meghauli	9845050088 056-620610	9845062922	9845049811		

### Local NGOs working in the sector of Disaster

Name	Phone Number	Name	Phone Number
CDO	056-694653	Made Nepal	056-528604
DNGOCC	056-522286	NRUSEC	056-520376
Kalika S.M.Bikas Kendra	056-693312	RRN	056-582070

### Things to remember during and before Disaster

- Listen to the news related to weather very carefully in Radio and Television
- Identify the safest way to evacuate to temporary shelter during flood
- Immediately communicate downstream community and Police when the water level reaches to danger level
- Call flood gauge station and get the information on water level before going to bed every night during monsoon
- Form Disaster Management Committee and Volunteer groups for Early Warning and Rescue management in the community
- Give priority to pregnant, old people, disable people, diseased and children while performing rescue operation in flooded areas.

Flood Early Warning Telephone list



Development Committee, Chitwan

# Community based Disaster Management Plan of 31 VDCs and 1 Municipality



जिल्ला विकास समितिको कार्यालय चितवन



नगरपालिका तथा गाविस स्तरीय  
विपद् व्यवस्थापन योजना

जिल्ला विकास समितिको कार्यालय चितवन



जिल्ला विकास समितिको एउटै चहना ।  
सुन्दर सभुल्लत र समतामूलक चितवनको स्थापना ॥

## नगरपालिका तथा गाविस स्तरीय विपद् व्यवस्थापन योजना



जिल्ला विकास समितिको कार्यालय चितवन



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