

# NEPAL RED CROSS SOCIETY

## Disaster Management Department

Central Office  
Kathmandu, Nepal



*Earthquake Preparedness for Safer Communities Programme*

Report on

## VULNERABILITY AND CAPACITY ASSESSMENT

In

20 VDCs of Kathmandu valley

Bhktapur District	Kathmandu District	Lalitpur District
Sudal	Tokha	Thecho
Jhaukhel	Syuchatar	Thiba
Gundu	Naikap	Siddhipur
Duwakot	Kapan	Sainbu
Chittapole	Jorpati	Imadol
Balkot	Gangabu	Dhapakhel
	Dharamsthali	
	Danchi	

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## **Background Information:**

Among five regions of Nepal, Kathmandu Valley falls in the Central region and consists of three districts, Kathmandu, Lalitpur and Bhktapur, which includes Kathmandu Metropolitan city, Lalitpur sub Metropolitan city and three municipalities, namely Bhktapur, Madhyapur Thimi and Kirtipur respectively. Kathmandu Metropolitan City (KMC) is the largest city in Nepal.

Total population of 20 VDCs covered by Earthquake Preparedness for Safer Community Programme (EPC) is 579,343 (49.7%) in which 287,708 are Female and 291,635 (50.3%) are male based on the base line survey conducted by Nepal Red Cross Society (NRCS) through its EPC programme. Madhyapur Thimi municipality spread in 17 wards accounts 9551 households with an average densely populated.

In 6 VDCs of Bhktapur District covering the project area, there are 40,772 individuals in 6,258 Households having 20,231 female and 20,541 male. Similarly in 8 VDCs of Kathmandu District covered 234,240 individuals with 115,924 female and 118,316 male. In 6 VDC of Lalitpur district having 304,331 individuals with 151,554 female and 152,777 male. The average disable persons in these 20 VDCs are 37.

The average altitude of the Kathmandu valley is 1320 m ranging from 1200 to 2300 m from MSL and found warm temperate climate. In the Kathmandu Valley (20 VDCs) , which is representative of its valley's climate, the average summer temperature varies from 28–32 °C and the winter temperature goes to minus 2°C. Rainfall is mostly monsoon-based (June- August). The average rainfall in Kathmandu valley recorded is 1400 mm. Kathmandu's present demography is very cosmopolitan in which Newars—the indigenous people of Kathmandu—still comprise a large segment of the population followed by Bramhin and Chhetri. Other ethnic groups like Sarki, Damai, Dalit, etc. are in minority. But now many ethnic groups are migrating from other districts of Nepal and found mixed ethnic groups in Kathmandu valley. Hindu and Buddhist is the main religion with Christian as a minor found in theses VDCs of Kathmandu Valley. These VDCs have no more rivers and stream but the main source of water is deep tub well boring, shallow wells and springs.

Most people are involved in agriculture and Livestock as the main livelihood, supplemented with daily labor, carpenter, Service, Business and foreign job. The income from agriculture is not sufficient for the whole year due to different disasters. The agricultural land is being converted into a concrete jungle. Even though the Government of Nepal implemented a Land use plan but not strictly applied.

## **Prevalent Risks and Hazards**

Kathmandu valley faces a numerous disasters including Natural as well as manmade. From the response during survey, the major Natural disasters experienced by 20 VDCs of Kathmandu valley were earthquake followed by fire and the minor disasters as landslide and storm. The manmade disasters recorded are epidemic and road accident. Theses disasters may happen in the future if the appropriate risk reduction measures are not planned and implemented. The perception of the community people are based on their previous experiences and thought. The expected disaster may happen in the futures.

The prevalent disaster that responded from the community people from 20 VDCs of Kathmandu Valley was Earthquake. The major reasons of the more destruction in the Kathmandu valley are the geophysical condition, unmanaged construction of houses ignoring the implementation of earthquake measures and community traditional perception about the earthquake and other disasters. In 20 VDCs, most of the houses are old, weak in construction and attached with each other. The elder people experienced the earthquake disaster occurred in B.S 1990 and saw the devastating hazards caused many lives and destroyed huge property. It is forecasted that even huge earthquake disaster will happen in future that destroyed 60% of the lives and 80% of the physical property in Kathmandu Valley.

The second prevalent disaster as pointed by the respondent was fire. Fire is recurring disaster caused by mainly negligence of the people. These fires cause economic losses and environmental degradation throwing dedicated ecosystems out of balance. It is also threatening valuable and endangered flora and fauna, degrading the soil and inducing flood and landslide. Most of the houses are old having CGI sheet and mud tile roofs which are susceptible to fire. These houses are built in a group and continuously attached. Though, the inhabitants were using fire wood and thatch as cooking materials now most of them changed it into LPG gas and electricity. Lack of knowledge and skills to operate these equipment's, fire disaster happened. Another reason is the naked electric wire and broken electric wiring in the houses.

The third major and frequently disaster occurred in the Kathmandu valley is road accident. The urbanization of the VDCs adjacent to the Kathmandu valley is in rapid which demanded the transport facilities. The vehicles are importing in Kathmandu valley is in huge number. Lack of length of road network and narrow width of road could not accommodate the huge number of vehicles. Even though, the drivers and pedestrian attitude don not changed. The driver drives fast in any situation and pedestrian cross the road without seeing the approaching vehicles.

The fourth major manmade disaster is epidemic as identified from the response of the community people from 20 VDCs. The main reason of the epidemic is the supply of turbid water and use of water from well and deep tube well. The dysentery and diarrhea is common in the rainy season in these areas. Other epidemic disease is the burning of eye (conjunctivitis) when the climate changes abruptly. Generally in dry season this disease spread in a community.

### **Vulnerability Condition**

The elements at risk due to Natural and Manmade disaster identified by the community people of 20 VDCs are Human, Physical, infrastructures, Organizational and Attitudinal vulnerability. The physical and infrastructural vulnerability observed in the community are prevalent by the social, Organizational and attitudinal vulnerability factors. Earthquake disaster affects full range of loss from royalty to poor. Earthquake treats every one equally. However, the poor and disadvantage group of the society are the most vulnerable. It is necessary to bring these communities in the groups so that they can collectively involve in the risk reduction.

The VDCs have physical and organizational capacity to cope the disasters but there coverage area is very less. The main occupation of the community people is agriculture having productive soil but they are using traditional method leads to the less production. It is analyzed that the community have many organizations and cooperative but they are working in small area and targeted to a specific group of the community for the specific purpose. To improve the capacity to cope with the

disaster and reduce the risk, it is essential to organize the community in a group. The community groups and organizations in disaster management are essential in sustaining the risk reduction process for the community to meet intended aims and targets. The formation and strengthening of community disaster response organizations or community disaster management volunteer's team is the key to mobilizing communities for sustainable disaster risk reduction.

The community people are aware about some of the early warning system of disaster. Observing abnormal behavior of the animals and twittering loudly of the birds indicates approaching earthquake disaster. During the earthquake, the people shouted for help and rush to the open area. However, the people have many misconceptions in their mind which makes them vulnerable. This is due to the lack of knowledge and education about the disasters. Even well-educated individual, owner of the building acquires plot of land, organize, manage and supervise house construction in the absence of experienced technical professionals ignoring introduction of earthquake resistance measures. This makes the houses vulnerable to the earthquake. This is due to the lack of awareness and knowledge. Therefore, the vulnerable people should be prepared with the knowledge and skills through the trainings and development of their capacity to cope with the disaster and change their perception about the disasters.

#### **Existing Capacities and Coping Mechanisms:**

The communities have more or less capacities and coping mechanisms against disasters. The primary factor of the capacity of the community people is the human resource. There are some organizations; Government, schools, I/NGOs and CBOs but their impact in the disaster risk reduction is insignificant. The community person mainly depends on the agricultural for their livelihood supplemented by business, service, daily wages etc. for securing their needs for a whole year. They are capable to cope with the disaster in some extent but due to the lack of awareness they are not taking it seriously. They have money enough to change their CGI roof or mud tile roof into RCC roof to cope from the storm disaster, but they don't give any attention on it. The community people in these VDCs are predominant by their traditional perception which makes the people more vulnerable against the disaster. They are hopefully depends on the external sources to get the help to cope with disaster. Their capacity is only limited to rescue operation. It is observed that when the disaster occurs then the people alert themselves and start volunteering for the reuse rather than involving in preparedness for any kind of disaster. Now the Government has managed to strengthen the capacity of VDC office with some rescue materials which is insufficient for the big disaster like earthquake. Some Social organization like Nepal Red Cross Society has established its branch in many VDCs is helping to cope the disaster in some extent.

However, the poor and disadvantage community people are very much dependent on external help to cope with the prevailing hazards due to weak economic and livelihood opportunities. They become more vulnerable, due to the imbalance between the existing vulnerability and capacity of these people.

#### **Key Findings:**

1. The community people are not aware of earthquake resisted house due to lack of knowledge.
2. The houses are constructed in haphazard manner, attached with each other's and densely populated. The houses are not strong enough, made with mud mortar and having CGI and mud Tile roof. The people are not complaining with building codes. They are not capable to adopt modern or appropriate technology that provide pre- information and warning about the possible natural disasters.

3. The productive agricultural land is being converted in to concrete jungle and open space is encroached which is valuable for the evacuation during disaster. The forest gets deforestation and leads environmental degradation.
4. The community people have misconception about the theory of earthquake and other disasters.
5. In most houses the electric wiring is deteriorated and needs new wiring.
6. The people are changing the cooking materials from fire wood and thatch with LPG gas, electricity but carelessness handling due to insufficient knowledge.
7. The roads of the community have narrow width, number of vehicles increasing day by day exceeding the carrying capacity of road.
8. Though there are traffic rules and regulations, the driver drives the vehicles in speed.
9. The community lacks safe drinking water which causes the epidemics and communicable diseases.
10. Majority of the households are classified by the community as poor.
11. Despite domestic fires being seen as one of the hazard with wider coverage and frequent, no firefighting training and fire units have been established in the community. The station of the fire brigades are far.
12. The supply of drinking water by the government is rare. The people have to depend upon existing spring, well and deep tubes well boring but these are not systematic and hygienic.
13. The exhibition of IEC materials related with Disaster and health must be included in the planning to reflect the hazards in the community.
14. In majority of the houses in the community have toilets which eliminated the open defecation and make the environment clean.
15. The community DRM plan needs to address small scale disaster-related problems through community mobilization and requires regular simulation; the community should be involved in the planning process and should be aware of the contents of the plan. The poor people and marginalized, disadvantage people are encouraged to participate.
16. Income opportunities options should be analyzed and strengthened accordingly.
17. Evacuation routes and sites must be identified to evacuate people during events of disaster occurrence.
18. While planning the development of the ward by the ward office, the disaster risk reduction should be mainstreaming in the development plan. The planner never appraise natural disasters while selecting development projects.

### **Recommendations:**

- The outcome of this VCA report must be communicated to all stakeholders through the coordination meeting inviting community people and duty bearers. It is also shared to the VDC, DDC and other Governmental agencies including NGOs. CBOs so that the mitigation measures can be corporate in the annual plan of the respective VDC.
- Develop the disaster risk management plan, aiming to mobilize optimum resources of the community and external support from the programme and the government.
- The emergency fund must be established which helps in preparedness of disaster.

- There is need of strengthening opportunity for livelihood. From the VCA report it is observed that after any disaster the community people felt that the livelihood options were terminated. It is necessary to strengthen their livelihood opportunity to recover from disaster. In this regard, Cooperative, bank or insurance company can help the victims.
- The coping mechanism should be included in the disaster Management Plan. It is seen that the Disaster Management Plan is much more focused on structural management rather than people's participation. The Disaster Management plan must include the community capabilities to deal with the disaster.
- There is need of rising awareness of the community on the impact of disaster. The IEC materials, Trainings, Visual aids can improve the awareness of the households which eliminates the misconception about the disaster.
- There is strictly need of introduction of building codes in the community. The house construction should be supervised by the Engineer ensuring the introduction of disaster resistant measures.
- After the Disaster, the more vulnerable groups are poor, marginalized and disadvantage. Government should give more preferential attention in terms of assistance to these people.

ANNEX: Table 1: Hazard Matrix (hazard ranked according to the community perception of risk)								
VDC Ward	Hazard	Type	Warning sign	Speed of onset	Frequency	Duration	Element at risk	Impact of hazard to the elements at risk
Dhapakhel	Earthquake	Natural	Abnormal behavior of Animal and Birds	Fast	Any Time	40 sec to 1 min.	<ul style="list-style-type: none"> <li>• People, Household,</li> <li>• Livestock</li> <li>• Physical- Water sources &amp; distribution pipes- Well, Physical Materials, Land</li> <li>• Infrastructures- Road, Communication, Health buildings, some School, Markets &amp; Shop</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Death</li> <li>• Injury</li> <li>• persons Displace</li> <li>• Destruction of House, infrastructures</li> </ul>
	Fire	Natural and Manmade	Smoke, storm	Fast	Any Time March, April	20 minutes to 2 days	<ul style="list-style-type: none"> <li>• People</li> <li>• Families, Livestock</li> <li>• Some Physical- Schools, water supply, electricity obstruction, Some Infrastructures- Burnt Houses, Physical Materials, Water source</li> <li>• Burn Infrastructures- Health Building, Market &amp; shops, communication</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Death</li> <li>• Injure</li> <li>• Displace</li> <li>• Burnt Physical property</li> <li>• Burn Infrastructures</li> </ul>
	Epidemic	Man Made	Sick	Slow	July, August,	1-2 months	<ul style="list-style-type: none"> <li>• People, Households</li> <li>• Water sources</li> </ul>	<ul style="list-style-type: none"> <li>• Diarrhea, dysentery and conjunctivitis</li> <li>• Death, injure, Livestock</li> <li>• Blind</li> </ul>
Imadol	Earthquake	Natural	Abnormal behavior of Animal and Birds	Fast	Any Time	40 sec to 1 min.	<ul style="list-style-type: none"> <li>• People, 2055 Families, 50% Livestock</li> <li>• 60% Physical- 100% Water sources &amp; distribution pipes- Well, 100% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>• 60% Infrastructures- 100% Road, 100% Communication, 1 Health buildings, some School, 100% Markets &amp; Shop</li> <li>• 50% Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• 5657 Death</li> <li>• 11,314 Injury</li> <li>• Remaining 1,885 and Injured - Displace persons</li> <li>• Destruction of Houses, infrastructures</li> </ul>
	Fire	Man Made	Smoke, storm	Fast	Any Time March, April	20 minutes to 2 days	<ul style="list-style-type: none"> <li>• 2820 People, 703 Families, 351 households</li> <li>• 15% Livestock</li> <li>• 20% Physical- Schools, 80% water supply, electricity obstruction, 115 Households, 20% Land</li> <li>• Some Infrastructures- Burnt Houses, Physical Materials, Water source</li> <li>• Burn Infrastructures- Health Building, 30% Market &amp; shops, 2% communication</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Death</li> <li>• Injure</li> <li>• 942 people Displace</li> <li>• Burnt Physical property</li> <li>• Burn Infrastructures -</li> </ul>
	Road Accident	Manmade	speed	Fast	Any Time		<ul style="list-style-type: none"> <li>• 377 People , 45 Family</li> <li>• Physical- vehicle damaged</li> <li>• Some Infrastructures damaged</li> </ul>	<ul style="list-style-type: none"> <li>• Dead</li> <li>• Injury</li> <li>• Damage of Physical Materials</li> </ul>
Siddhipur	Earthquake	Natural	Abnormal behavior of Animal and Birds	Fast	Any Time	40 sec to 1 min.	<ul style="list-style-type: none"> <li>• 3000 People, 305 Families</li> <li>• 50% Livestock</li> <li>• Physical- 100% Water sources &amp; distribution pipes- Well, 100% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>• Infrastructures- 100% Road,</li> </ul>	<ul style="list-style-type: none"> <li>• 500 Death</li> <li>• 1200 Injury</li> <li>• Displace persons</li> <li>• Destruction of Houses &amp;</li> </ul>



							100% Communication, 2 Health buildings, some School, 100% Markets & Shop • Livelihood	infrastructures
	Road Accident	Manmade	speed	Fast	Any Time		• 126 People, • Physical- vehicle damaged • Some Infrastructures damaged	• Dead • Injury • Damage of Physical Materials
	Fire	Manmade	Smoke, storm	Fast	Any Time March, April		• People, 62 Households, • Physical- Schools, 80% water supply, electricity obstruction, 5 Households, • Some Infrastructures- Burnt Houses, Physical Materials, Water source • Burn Infrastructures- Health Building, Market & shops, communication • Livelihood	• 30 Death • 55 Injure • 150 Displace • Burnt Physical property • Burn Infrastructures -
Sainbu	Earthquake	Natural	Abnormal behavior of Animal and Birds	Fast	Any Time	40 sec to 1 min.	• People, 60% Household, 1378 Livestock Physical- 100% Water sources & distribution pipes- Well, 20% Physical Materials, 100 Ropani of Land • Infrastructures- 60% Road, 100% Communication, 60% Health buildings, some 12 School, 100% Markets & Shop • 100% Livelihood	• 7000 Death • 1000 Injury • 2000 persons Displace • Destruction of House, infrastructures
	Fire	Natural and Manmade	smoke	Fast	Any Time March, April	March, April	• 5000 People • 159 Livestock • 100% Physical- Schools, water supply, electricity obstruction, Some Infrastructures- Burnt Houses, Physical Materials, Water source • Burn Infrastructures- Health Building, Market & shops, communication	• 150 Death • 1750 Injure • 3000 Displace • Burnt Physical property • Burn Infrastructures
Thiba	Earthquake	Natural	Abnormal behavior of Animal and Birds	Fast	Any Time	40 sec to 1 min.	• People, 60% Household, 50% Livestock • Physical- 80% Water sources & distribution pipes- Well, 20% Physical Materials, 1/3 <sup>rd</sup> Land • Infrastructures- 60% Road, 90% Communication, 60% Health buildings, some 20% School, 70% Markets & Shop • 50% Livelihood	• 1732 Death • 3463 Injury • 4044 including injured persons Displace • Destruction of House, infrastructures
	Road Accident	Manmade		Fast	Any Time		• 115 People , 10 Households • Physical- vehicle damaged • Some Infrastructures damaged	• Dead • Injury • Damage of Physical Materials
Thecho	Earthquake	Natural	Abnormal behavior of Animal and Birds	Fast	Any Time	40 sec to 1 min.	• People, 50% Livestock • Physical- 80% Water sources & distribution pipes- Well, 20% Physical Materials, 1/3 <sup>rd</sup> Land • Infrastructures- 60% Road, 60% Communication, 50% Health buildings, some 10% School, 70% Markets & Shop • 50% Livelihood	• 6600 Death • 15400 Injury • injured persons Displace • Destruction of House, infrastructures
	Road Accident	Manmade	speed	Fast	Any Time		• 440 People , 17 households • Physical- vehicle damaged • Some Infrastructures damaged	• Dead • Injury • Damage of

								Physical Materials
Danchhi	Earthquake	Natural	Abnormal behavior of Animal and Birds	Fast	Any Time	40 sec to 1 min.	<ul style="list-style-type: none"> <li>• 6375 People, 1100 Families, 40 Livestock</li> <li>Physical- 60% Water sources &amp; distribution pipes- Well, 100% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>• 100% Infrastructures- 100% Road, 100% Communication, 1 Health buildings, some School, 100% Markets &amp; Shop</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• 500 Death</li> <li>• 1500 Injury</li> <li>• 3984 persons Displace</li> <li>• Destruction of House, infrastructures</li> </ul>
	Fire	Natural and Manmade	smoke	Fast		March, April	<ul style="list-style-type: none"> <li>• 1195 People, 250 Families,</li> <li>• Some Physical- Schools, water supply, electricity obstruction, Some Infrastructures- Burnt Houses, Physical Materials, Water source</li> <li>• Burn Infrastructures- Health Building, Market &amp; shops, communication</li> <li>• 15% Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• 122 Death</li> <li>• 900 Injure</li> <li>• Displace</li> <li>• Burnt Physical property</li> <li>• Burn Infrastructures</li> </ul>
	Epidemic	Man Made		Slow	July, August,	1-2 months	<ul style="list-style-type: none"> <li>• 398 People, 50 Households</li> <li>• Water sources</li> </ul>	<ul style="list-style-type: none"> <li>• Diarrhea, dysentery and conjunctivitis</li> <li>• Death of people, injury, Livestock</li> <li>• Blind</li> </ul>
Dharamst ali	Earthquake	Natural	Abnormal behavior of Animal and Birds	Fast	Any Time	40 sec to 1 min.	<ul style="list-style-type: none"> <li>• People, 60 Livestock</li> <li>Physical- 100% Water sources &amp; distribution pipes- Well, 100% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>• Infrastructures- 100% Road, 100% Communication, 1 Health buildings, some School, 100% Markets &amp; Shop</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• 1500 Death</li> <li>• 1500 Injury</li> <li>• 105 persons Displace</li> <li>• Destruction of House, infrastructures</li> </ul>
	Landslide	Natural and Manmade	Heavy rain fall, Sliding of mud	Fast	rainy season July, August, Sep.		<ul style="list-style-type: none"> <li>People, Livestock</li> <li>20% Physical: 56 Ropani agricultural Land, 65 Houses, 20 cattle,</li> <li>Infrastructures and social assets, Water Tank, bridge</li> </ul>	<ul style="list-style-type: none"> <li>150 Dead, 650 injury, Displaced, Livelihoods resources.</li> <li>65 Households,</li> </ul>
Gongabu	Earthquake	Natural	Abnormal behavior of Animal and Birds	Fast	Any Time	40 sec to 1 min.	<ul style="list-style-type: none"> <li>• People, 3200 Household,</li> <li>• 60 Livestock</li> <li>• Physical- 100% Water sources &amp; distribution pipes- Well, 100% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>• 100% Infrastructures- 100% Road, 100% Communication, 1 Health buildings, some School, 100% Markets &amp; Shop</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• 2500 Death</li> <li>• 5000 Injury</li> <li>• 1050 persons Displace</li> <li>• Destruction of House, infrastructures</li> </ul>
	Fire	Man Made		Fast	March, April		<ul style="list-style-type: none"> <li>• People, Families, 15 Livestock</li> <li>• Some Physical- Schools, water supply, electricity obstruction, 115 Households</li> <li>• Some Infrastructures- Burnt Houses, Physical Materials, Water source</li> <li>• Burn Infrastructures- Health Building, Market &amp; shops, communication</li> <li>• 15% Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• 300 Death</li> <li>• 900 Injure</li> <li>• 55 Displace</li> <li>• Burnt Physical property</li> <li>• Burn Infrastructures</li> <li>-</li> <li>• ,</li> </ul>
	Road Accident	Manmade	Speed	Fast	Any Time		<ul style="list-style-type: none"> <li>• People , Family</li> <li>• Physical- vehicle damaged</li> <li>• Some Infrastructures damaged</li> </ul>	<ul style="list-style-type: none"> <li>• Dead</li> <li>• Injury</li> <li>• Damage of</li> </ul>

								Physical Materials
	Epidemic	Man Made		Slow	July, August,	1-2 months	<ul style="list-style-type: none"> <li>• People, Households</li> <li>• Water sources</li> </ul>	<ul style="list-style-type: none"> <li>• Diarrhea, dysentery and conjunctivitis</li> <li>• 40 Death of people, 50 injure,</li> <li>• Blind</li> </ul>
Jorpati	Earthquake	Natural	Abnormal behavior of Animal and Birds	Fast	Any Time	40 sec to 1 min.	<ul style="list-style-type: none"> <li>• 77934 People, 6735 Household,</li> <li>• 100% Physical- 100% Water sources &amp; distribution pipes- Well, 100% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>• 100% Infrastructures- 100% Road, 100% Communication, 1 Health buildings, some School, 100% Markets &amp; Shop</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Death</li> <li>• Injury</li> <li>• Displace including injured persons</li> <li>• Destruction of House, infrastructures</li> </ul>
	Fire	Man Made	Smoke	Fast	March, April		<ul style="list-style-type: none"> <li>• 13744 People,</li> <li>• Some Physical properties- Schools, water supply, electricity, 115 Households</li> <li>• Some Infrastructures- Burnt Houses, Physical Materials, Water source</li> <li>• Burn Infrastructures- Health Building, Market &amp; shops, communication</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Death</li> <li>• Injury</li> <li>• Displace</li> <li>• Burnt Physical property</li> <li>• Burn Infrastructures -</li> </ul>
	storm	Natural	Wind blowing	Fast	March ,April-May		<ul style="list-style-type: none"> <li>• People</li> <li>• Physical- Physical Materials, Water sources,</li> <li>• Infrastructures- Communication, Health, School, Markets &amp; Shop</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• 40 Death, 100 injured/ - People,</li> <li>• Demolish of Physical property - Houses, Physical Materials, Communication, Obstruct road, felling of tree, electric poles</li> <li>• Fire</li> </ul>
	Epidemic	Man Made	Sick	Slow	July, August,	1-2 months	<ul style="list-style-type: none"> <li>• People, Livestock</li> <li>• Water sources</li> </ul>	<ul style="list-style-type: none"> <li>• Diarrhea, dysentery and conjunctivitis</li> <li>• 51 Death of people, 249 injure, Livestock</li> <li>• Blind</li> </ul>
Kapan	Earthquake	Natural	Abnormal behavior of Animal and Birds	Fast	Any Time	40 sec to 1 min.	<ul style="list-style-type: none"> <li>• 46039 People, 1000 Families, 60 Livestock</li> <li>• 100% Physical- 100% Water sources &amp; distribution pipes- Well, 100% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>• 100% Infrastructures- 100% Road, 100% Communication, 1 Health buildings, some School, 100% Markets &amp; Shop</li> <li>• Livelihood</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• 5000 Death</li> <li>• 30000 Injury</li> <li>• Displace</li> <li>• Destruction of House, infrastructures</li> </ul>
	Road Accident	Manmade	Speed	Fast	Any Time		<ul style="list-style-type: none"> <li>• 700 People ,</li> <li>• Physical- vehicle damaged</li> <li>• Some Infrastructures damaged</li> </ul>	<ul style="list-style-type: none"> <li>• Dead</li> <li>• Injury</li> <li>• Damage of Physical Materials</li> </ul>
	Fire	Manmade	Storm	Fast	March		<ul style="list-style-type: none"> <li>• 1500 People, 10 Families, 20</li> </ul>	<ul style="list-style-type: none"> <li>• Death</li> </ul>

					,April-		<ul style="list-style-type: none"> <li>Livestock</li> <li>Some Physical- Schools, water supply, electricity obstruction, Households</li> <li>Some Infrastructures- Burnt some Physical property Houses, Physical Materials, Land, Water source</li> <li>Burn Infrastructures- Health Building, Market &amp; shops, communication</li> <li>15% Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>Injure</li> <li>Displace</li> <li>Burnt Physical property</li> <li>Burn Infrastructures</li> </ul>
Naikap	Earthquake	Natural	Abnormal behavior of Animal and Birds	Fast	Any Time	40 sec to 1 min.	<ul style="list-style-type: none"> <li>5608 People, 550 Families, 20 Livestock</li> <li>100% Physical- 100% Water sources &amp; distribution pipes- Well, 100% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>100% Infrastructures- 100% Road, 100% Communication, 1 Health buildings, some School, 100% Markets &amp; Shop</li> <li>Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>100 Death</li> <li>500 Injury</li> <li>Displace</li> <li>Destruction of House, &amp; infrastructures</li> </ul>
	Fire	Manmade	Storm	Fast	March ,April-		<ul style="list-style-type: none"> <li>295 People, 20 Livestock</li> <li>Some Infrastructures- Houses, Physical Materials, 20 Ropani Land, Water source</li> <li>Burn Infrastructures- Health Building, Market &amp; shops, communication, Schools, water supply, electricity obstruction,</li> <li>Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>Death</li> <li>Injure</li> <li>Displace</li> <li>Burnt Physical property</li> <li>Burn Infrastructures -</li> </ul>
	Road Accident	Manmade	Speed	Fast	Any Time		<ul style="list-style-type: none"> <li>People , 20 Families</li> <li>Physical- vehicle damaged</li> <li>Some Infrastructures damaged</li> </ul>	<ul style="list-style-type: none"> <li>20 Dead</li> <li>40 Injury</li> <li>Damage of Physical Materials</li> </ul>
Syuchatar	Earthquake	Natural	Abnormal behavior of Animal and Birds	Fast	Any Time	40 sec to 1 min.	<ul style="list-style-type: none"> <li>12070 People, 1406 Families, 70 Livestock</li> <li>100% Physical- 100% Water sources &amp; distribution pipes- Well, 100% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>100% Infrastructures- Road, Communication, 1 Health buildings, some School, Markets &amp; Shop</li> <li>Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>3000 Death</li> <li>2600 Injury</li> <li>persons Displace</li> <li>Destruction of House, infrastructures</li> </ul>
	Fire	Manmade	Storm	Fast	March ,April-	Depend upon situation	<ul style="list-style-type: none"> <li>People , 15 Livestock</li> <li>Some Physical- Schools, water supply, electricity obstruction</li> <li>Some Infrastructures- Burnt some Physical property Houses, Physical Materials, 20 Ropani Land, Water source</li> <li>Burn Infrastructures- Health Building, Market &amp; shops, communication</li> <li>Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>Death</li> <li>Injure</li> <li>Displace</li> <li>Burnt Physical property</li> <li>Burn Infrastructures</li> </ul>
	Landslide	Natural	Heavy rain fall, Sliding of mud	Fast	rainy season July, August, Sep.	Depend upon situation	<ul style="list-style-type: none"> <li>10 People,</li> <li>20% Physical: 100 56Ropani agricultural Land, 65 Houses, cattle,</li> <li>20% Infrastructures and social assets, Water Tank</li> </ul>	<ul style="list-style-type: none"> <li>Dead,</li> <li>Injure,</li> <li>Displace</li> <li>65 Households,</li> </ul>
Tokha	Earthquake	Natural	Shaking of House	Fast	Any Time		<ul style="list-style-type: none"> <li>955 People, 550 Families, 20 Livestock</li> <li>100% Physical- Water sources &amp;</li> </ul>	<ul style="list-style-type: none"> <li>140 Death</li> <li>Injury</li> <li>Displace</li> </ul>

							<ul style="list-style-type: none"> <li>distribution pipes- Well, Physical Materials, 1/3<sup>rd</sup> Land</li> <li>•90% Infrastructures- 100% Road, 100% Communication, 1 Health buildings, some School, Markets &amp; Shop</li> <li>•Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Destruction of House &amp; Infrastructures</li> </ul>
	Fire	Manmade	Storm	Fast	March ,April-	Depend upon situation	<ul style="list-style-type: none"> <li>•55 People, 20 Livestock</li> <li>• Some Infrastructures- Burnt some Physical property Houses, Physical Materials, Land, Water source</li> <li>•Burn Infrastructures- Health Building, Market &amp; shops, communication, Schools, water supply, electricity obstruction</li> <li>•Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Death</li> <li>• Injure</li> <li>• Displace</li> <li>• Burnt Physical property</li> <li>• Burn Infrastructures -</li> </ul>
	Road Accident	Manmade	Speed	Fast	Any Time		<ul style="list-style-type: none"> <li>• People ,</li> <li>•Physical- vehicle damaged</li> <li>• Some Infrastructures damaged</li> </ul>	<ul style="list-style-type: none"> <li>• 15 Dead</li> <li>• 60 Injure</li> <li>• Damage of Physical Materials</li> </ul>
Sudal	Epidemic	Manmade	NA	Slow	Any Time		<ul style="list-style-type: none"> <li>• 5895 People</li> <li>• Livelihood</li> <li>•80% Water sources, 80% Livestock</li> </ul>	<ul style="list-style-type: none"> <li>• Diarrhea, dysentery and conjunctivitis</li> <li>• 7 Death of people, 736 injure, Livestock</li> <li>• Blind</li> </ul>
	Earthquake	Natural	Shaking of House	Fast	Any Time		<ul style="list-style-type: none"> <li>•5460 People, 60% Livestock</li> <li>• 90% Physical- 25% Water sources &amp; distribution pipes- Well, 50% Physical Materials,</li> <li>•90% Infrastructures- 50% Road, 80% Communication, 80% Health buildings, 80% School, 20% Markets &amp; Shop</li> <li>•Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• 295 Death</li> <li>• 1179 Injure</li> <li>• 736 persons Displace</li> <li>• Destruction of House, infrastructures</li> </ul>
Jhaukhel	Earthquake	Natural	Shaking of House	Fast	Any Time		<ul style="list-style-type: none"> <li>•5460 People,</li> <li>•90% Physical- Water sources &amp; distribution pipes- Well, 15% Physical Materials, Houses, 3</li> <li>•90% Infrastructures- 30% Road, 60% Communication, 60% Health buildings, 50% School, 55% Markets &amp; Shop</li> <li>•Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• 1023 Death</li> <li>• 3412 Injure</li> <li>• Displace</li> <li>• Destruction of House, infrastructures</li> </ul>
	Epidemic	Manmade	NA	Slow	Dry Season March, April, July, August	Depend upon situation	<ul style="list-style-type: none"> <li>•People</li> <li>• Livelihood</li> <li>•Water sources</li> </ul>	<ul style="list-style-type: none"> <li>• Diarrhea, dysentery and conjunctivitis</li> <li>• 136 Death of people, 685 injure, Livestock</li> <li>• Blind</li> </ul>
	Fire	Manmade	Smoke	Fast	March ,April-	Depend upon situation	<ul style="list-style-type: none"> <li>•600 People,</li> <li>• Some Physical- Schools, water supply, electricity obstruction, 150 Households</li> <li>• Some Infrastructures- Burnt 3% Physical property -342 Houses, Physical Materials, 1% Land, 4% Livestock, 1% Water source</li> <li>•Burn Infrastructures- 30% Health Building, 30% Market &amp; shops, 35% communication</li> <li>•Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• 68 Death</li> <li>• 136 Injure</li> <li>• Displace</li> <li>• Burn Physical property</li> <li>• Burn Infrastructures-</li> </ul>
Gundu	Earthquake	Natural	Shaking of House	Fast	Any Time		<ul style="list-style-type: none"> <li>•1335 People, All families</li> <li>• 90% Physical- Water sources &amp;</li> </ul>	<ul style="list-style-type: none"> <li>• Death</li> <li>• Injure</li> </ul>

							<ul style="list-style-type: none"> <li>distribution pipes- Well, 15% Physical Materials, Houses, 3</li> <li>•90% Infrastructures- 80% Road, 80% Communication, Health sub post, 80% School, 90% Markets &amp; Shop</li> <li>•90% Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Displace</li> <li>• Destruction of House, &amp; Infrastructures</li> </ul>
	Landslide	Natural	Heavy rain fall,	Fast	rainy season July, August, Sep.	Depend upon situation	<ul style="list-style-type: none"> <li>• 1068 People,</li> <li>• 20% Physical: 100 Ropani agricultural Land, 65 Houses, cattle,</li> <li>• 20% Infrastructures and social assets, Water Tank</li> </ul>	<ul style="list-style-type: none"> <li>• Dead,</li> <li>• injure,</li> <li>• Displace</li> <li>• 65 Households,</li> </ul>
Duwakot	Earthquake	Natural	Shaking of House	Fast	Any Time		<ul style="list-style-type: none"> <li>•7978 People, All families</li> <li>• Physical- Water sources &amp; distribution pipes- Well, 15% Physical Materials, 1074 Houses, 3</li> <li>• Infrastructures- 80% Road, 80% Communication, Health sub post, 80% School, 90% Markets &amp; Shop</li> <li>•50% Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• 2078 Death</li> <li>• 1560 Injury</li> <li>• 1560 Displace</li> <li>• Destruction of House, infrastructures</li> </ul>
	Landslide	Natural	Heavy rain fall	Fast	rainy season	Depend upon situation	2393 People, 3.21 sqm agricultural Land, Houses, cattle, 30% Infrastructures and social assets, Water Tank	5 Dead, 4 injure, Damaged irrigation canal, Livelihoods resources.
Chittapole	Earthquake	Natural	Shaking of House	Fast	Any Time		<ul style="list-style-type: none"> <li>• 5197 People,</li> <li>•80% Physical- Water sources &amp; distribution pipes- Well, Physical Materials, 1074 Houses, Land</li> <li>• 80% Infrastructures- Road, Communication, Health sub post, School, Markets &amp; Shop</li> <li>•Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• 2078 Death</li> <li>• 1560 Injury</li> <li>• 1560 Displace</li> <li>• Destruction of House, infrastructures</li> </ul>
	Epidemic	Manmade	NA	Slow	Dry Season March, April, July, August	Depend upon situation	<ul style="list-style-type: none"> <li>•People</li> <li>• Livelihood</li> <li>•Water sources</li> </ul>	<ul style="list-style-type: none"> <li>• Diarrhea, dysentery and conjunctivitis</li> <li>• 260 Death of people,</li> <li>• 520 injure,</li> <li>• livestock</li> <li>• Blind</li> </ul>
Balkot	Earthquake	Natural	Birds twittering loudly & Animals shouting	Fast	Any Time		<ul style="list-style-type: none"> <li>• People, families</li> <li>•Physical- Water sources &amp; distribution pipes- Well, Physical Materials, Houses, Land</li> <li>• Infrastructures- Road, Communication, Health sub post, School, Markets &amp; Shop</li> <li>•Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Death</li> <li>• Injury</li> <li>• Displace</li> <li>• Destruction of House, infrastructures</li> </ul>
	Epidemic	Manmade	NA	Slow	Dry Season March, April	Depend upon situation	<ul style="list-style-type: none"> <li>•People</li> <li>• Livelihood</li> <li>•Water sources</li> </ul>	<ul style="list-style-type: none"> <li>• Diarrhea, dysentery and conjunctivitis</li> <li>• Death of people, Livestock</li> <li>• Blind</li> </ul>

Table 2 Historical Profile (Timeline of Disaster)				
VDC/Ward	year	Disaster	Impact	Response
<b>Dhapakhel</b>	2038 2047 2045/5/5 2068/6/1 2068 2069	Flood Earthquake Landslide	NA 34 Houses Flooded 1 Family Displaced, 2 Houses destroyed 2 Houses destroyed 5 Ropani Land lost 2 Ropani Land Lost	Neighbors, Local People, VDC Office, NRCS, Other clubs and Government Agencies
<b>Imadol</b>	2045 2058/2060	Earthquake Road Accident	NA	Neighbor, Ward Office, NRCS
<b>Siddhipur</b>	2039/2048 2045 2069 2050	Fire Earthquake Epidemic (Cholera)	1 Dead, 2 person displaced, Physical structures damaged 1 Houses destroyed Minimal Loss 2 Dead	Neighbors, Local People, VDC Office, NRCS, Other clubs and Government Agencies
<b>Saimbu</b>	2045 2057	Earthquake Flood	Minimal loss 50-75 Ropani Damaged	Neighbors, Local People, VDC Office, NRCS, Other clubs and Government Agencies
<b>Thaiba</b>	2045 2060/065	Earthquake Road Accident	4 Dead, 14 Injured 4 Dead, 18 Injured	Neighbors, Local People, VDC Office, NRCS, Other clubs and Government Agencies
<b>Thechho</b>	2061 2061	Flood Heavy rainfall	1 Dead 1 Dead, 1 House Damaged	Neighbors, Local People, VDC Office, NRCS, Other clubs and Government Agencies
<b>Danchhi</b>	2045/5/5 2045 later 2063/065 2050/2063	Earthquake Road Accident Fire Storm	117 Houses destroyed 4 Dead 4 Houses burnt 5 Dead	Neighbors, Local People, VDC Office, NRCS, Other clubs and Government Agencies
<b>Dharamstali</b>	2068 2045	Landslide Thunderbolt	3 Dead, 1 Injured, 1 House demolished 2 Injured, 1 house burnet, 1 animal dead	Neighbors, Local People, VDC Office, NRCS, Other clubs and Government Agencies
<b>Gongbu</b>	2068 2068 2051/052 2017 2018	Earthquake Road Accident Fire Epidemic Flood	NA NA 20 Dead 4 Dead, 20 House swept, 100 Ha of land damaged	Neighbors, Local People, VDC Office, NRCS, Other clubs and Government Agencies
<b>Jorpati</b>	2068 2069	Road Accident	5 Dead, 2 Injured 1 Dead, 1 Injured	Neighbors, Local People, VDC Office, NRCS, Other clubs and Government Agencies
<b>Kapan</b>	2068 2068 2068 2059 2057 2045	Earthquake Road Accident Landslide Fire Flood Thunderbolt	1 injured, 5 Houses damaged, 4 animals dead 5 Dead, 5 Injured 1 House Demolished 1 Household Displaced, 1 House bunt 4 person lost, 20-30 Displace, 15 Houses Flooded 2 injured, 2 Houses damaged, 2 animals dead	Neighbors, Local People, VDC Office, NRCS, Other clubs and Government Agencies
<b>Naikap</b>	NA	NA	NA	
<b>Syuchatar</b>	2051/052 2068 2026/27 2061 2064	Fire Earthquake Epidemic Road Accident Landslide	NA 7 Houses destroyed NA NA 70 Ropani Land lost	
<b>Sudal</b>	NA 2052 2055/2068	Fire Flood/Landslide Earthquake	3 Dead, 10 injured, 15 House burnt, 25 Animals 10 House damaged, 100 Ropani Land Lost, Bridge collapsed 30 injured, 100 houses damaged	Red Cross, VDC, Local People, Neighbors
<b>Jhaukhel</b>	2045 2052	Earthquake Fire Thunderbolt	16 Houses Destroyed 7 Houses burnt NA	Red Cross, VDC, Local People, Neighbors
<b>Gundu</b>	2045	Earthquake	70 Houses Damaged	Red Cross, VDC, Local People

	2052	Fire Flood Thunderbolt	20 Houses Burnt 8 Houses Damaged, 15 Ropani Land lost	
<b>Duwakot</b>	2045	Earthquake Fire Every Year	2 Displaced, 35 House Damaged 1 Dead, 2 Injured, 3 Houses Damaged 18 Ropani flooded	Red Cross, VDC, DDC, Local People
<b>Chittapole</b>	2042	Fire	1 Injured , 4 Land degraded	Red Cross, Local People
<b>Balkot</b>	2068 Jestha 2069 Baishakha 2045 2052	Fire Fire Earthquake Flood	1 injured, Roof Damaged 1 Injured, 5 House Burnt Damaged crop	Red Cross, Local People, Local Agencies



<b>Table 3: Vulnerability Matrix</b>					
VDC Ward	Hazard	Element at risk	Impact of hazard to the elements at risk	Characteristics of elements at risk that contribute to vulnerability	Vulnerability factor
Dhapakhel	Earthquake	<ul style="list-style-type: none"> <li>• People, Household,</li> <li>• Livestock</li> <li>• Physical- Water sources &amp; distribution pipes- Well, Physical Materials, Land</li> <li>• Infrastructures- Road, Communication, Health buildings, some School, Markets &amp; Shop</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Death</li> <li>• Injury</li> <li>• persons Displace</li> <li>• Destruction of House, infrastructures</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of Public awareness and knowledge on disaster reduction</li> <li>• Unmanaged construction of House</li> <li>• Traditional attitude and lack of knowledge on change</li> <li>• House constructed without earthquake resistant techniques</li> <li>• Some Old and weak houses, weak Foundation, attached House, Dense House</li> <li>• Lack of knowledge of Earthquake proof house</li> <li>• Construction of Multistoried buildings</li> <li>• Excess extraction of ground water</li> <li>• Poor foundation for construction of House</li> </ul>	Physical, Infrastructures Attitudinal
	Fire	<ul style="list-style-type: none"> <li>• People</li> <li>• Families, Livestock</li> <li>• Some Physical- Schools, water supply, electricity obstruction, Some Infrastructures- Burnt Houses, Physical Materials, Water source</li> <li>• Burn Infrastructures- Health Building, Market &amp; shops, communication</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Death</li> <li>• Injure</li> <li>• Displace</li> <li>• Burnt Physical property</li> <li>• Burn Infrastructures</li> </ul>	<ul style="list-style-type: none"> <li>• Unmanaged old wiring of electric wire</li> <li>• Carelessness handling of LPG gas and ignition materials and their storage</li> <li>• Lack of knowledge &amp; Skill</li> <li>• Having traditional attitude</li> <li>• Environmental degradation</li> <li>• Dense Houses</li> </ul>	Physical Infrastructures Attitudinal
	Epidemic	<ul style="list-style-type: none"> <li>• People, Households</li> <li>• Water sources</li> </ul>	<ul style="list-style-type: none"> <li>• Diarrhea, dysentery and conjunctivitis</li> <li>• Death, injure, Livestock</li> <li>• Blind</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of Public awareness on disaster reduction</li> <li>• Lack of proper sanitation</li> <li>• Open defecation</li> <li>• Changing of climate cause conjunctivitis</li> <li>• Pollution through Brick kiln</li> <li>• Lack of Money</li> </ul>	Physical, Infrastructures Attitudinal
Imadol	Earthquake	<ul style="list-style-type: none"> <li>• People, 1171 Households</li> <li>• 50% Livestock</li> <li>• Physical- 100% Water sources &amp; distribution pipes- Well, 100% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>• Infrastructures- 100% Road, 100% Communication, 1 Health buildings, some School, 100% Markets &amp; Shop</li> <li>• 50% Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• 5657 Death</li> <li>• 11,314 Injury</li> <li>• Remaining 1,885 and Injured - Displace persons</li> <li>• Destruction of Houses, infrastructures</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of Public awareness and knowledge on disaster reduction</li> <li>• Unmanaged construction of House</li> <li>• Traditional attitude and lack of knowledge on change</li> <li>• House constructed without earthquake resistant techniques</li> <li>• Some Old and weak houses, weak Foundation, attached House, Dense House</li> <li>• Lack of knowledge of Earthquake proof house</li> <li>• Construction of Multistoried buildings</li> <li>• Excess extraction of ground water</li> <li>• Poor foundation for construction of House</li> </ul>	Physical, Infrastructures Attitudinal
	Fire	<ul style="list-style-type: none"> <li>• 2820 People, 7 351 households</li> <li>• 15% Livestock</li> <li>• 20% Physical- Schools, 80% water supply, electricity obstruction, 115 Households, 20% Land</li> <li>• Some Infrastructures- Burnt Houses, Physical Materials, Water source</li> <li>• Burn Infrastructures- Health Building, 30% Market &amp; shops, 2% communication</li> </ul>	<ul style="list-style-type: none"> <li>• Death</li> <li>• Injure</li> <li>• 942 people Displace</li> <li>• Burnt Physical property</li> <li>• Burn Infrastructures-</li> </ul>	<ul style="list-style-type: none"> <li>• Unmanaged old wiring of electric wire</li> <li>• Carelessness handling of LPG gas and ignition materials and their storage</li> <li>• Lack of knowledge &amp; Skill</li> <li>• Having traditional attitude</li> <li>• Environmental degradation</li> <li>• Dense Houses</li> </ul>	Physical Infrastructures Attitudinal

		<ul style="list-style-type: none"> <li>•Livelihood</li> </ul>			
	Road Accident	<ul style="list-style-type: none"> <li>• 377 People , 45 Family</li> <li>•Physical- vehicle damaged</li> <li>• Some Infrastructures damaged</li> </ul>	<ul style="list-style-type: none"> <li>• Dead</li> <li>• Injury</li> <li>• Damage of Physical Materials</li> </ul>	<ul style="list-style-type: none"> <li>• Dense Traffic</li> <li>• Narrow road width</li> <li>• Negligence in drive and avoiding traffic rules</li> </ul>	Physical Attitudinal Infrastructure
Siddhipur	Earthquake	<ul style="list-style-type: none"> <li>•3000 People, 305 Families</li> <li>• 50% Livestock</li> <li>• Physical- 100% Water sources &amp; distribution pipes- Well, 100% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>•Infrastructures- 100% Road, 100% Communication, 2 Health buildings, some School, 100% Markets &amp; Shop</li> <li>•Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• 500 Death</li> <li>• 1200 Injury</li> <li>• Displace persons</li> <li>• Destruction of Houses &amp; infrastructures</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of Public awareness and knowledge on disaster reduction</li> <li>• Unmanaged construction of House</li> <li>• Traditional attitude and lack of knowledge on change</li> <li>• House constructed without earthquake resistant techniques</li> <li>• Some Old and weak houses, weak Foundation, attached House, Dense House</li> <li>• Lack of knowledge of Earthquake proof house</li> <li>• Construction of Multistoried buildings</li> <li>• Excess extraction of ground water</li> <li>• Poor foundation for construction of House</li> </ul>	Physical, Infrastructures Attitudinal
	Road Accident	<ul style="list-style-type: none"> <li>•126 People,</li> <li>•Physical- vehicle damaged</li> <li>• Some Infrastructures damaged</li> </ul>	<ul style="list-style-type: none"> <li>• Dead</li> <li>• Injury</li> <li>• Damage of Physical Materials</li> </ul>	<ul style="list-style-type: none"> <li>• Dense Traffic</li> <li>• Narrow road width</li> <li>• Negligence in drive and avoiding traffic rules</li> </ul>	Physical Attitudinal Infrastructure
	Fire	<ul style="list-style-type: none"> <li>•200 People, 62 Households, Families,</li> <li>• Physical- Schools, 80% water supply, electricity obstruction, 5 Households,</li> <li>• Some Infrastructures- Burnt Houses, Physical Materials, Water source</li> <li>•Burn Infrastructures- Health Building, Market &amp; shops, communication</li> <li>•Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• 30 Death</li> <li>• 55 Injure</li> <li>• 150 Displace</li> <li>• Burnt Physical property</li> <li>• Burn Infrastructures-</li> </ul>	<ul style="list-style-type: none"> <li>• Unmanaged old wiring of electric wire</li> <li>• Carelessness handling of LPG gas and ignition materials and their storage</li> <li>• Lack of knowledge &amp; Skill</li> <li>• Having traditional attitude</li> <li>• Environmental degradation</li> <li>• Dense Houses</li> </ul>	Physical Infrastructures Attitudinal
Sainbu	Earthquake	<ul style="list-style-type: none"> <li>•People, Families, 60% Household, 1378 Livestock</li> <li>Physical- 100% Water sources &amp; distribution pipes- Well, 20% Physical Materials, 100 Ropani of Land</li> <li>• Infrastructures- 60% Road, 100% Communication, 60% Health buildings, some 12 School, 100% Markets &amp; Shop</li> <li>•100% Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• 7000 Death</li> <li>• 1000 Injury</li> <li>• 2000 persons Displace</li> <li>• Destruction of House, infrastructures</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of Public awareness and knowledge on disaster reduction</li> <li>• Unmanaged construction of House</li> <li>• Traditional attitude and lack of knowledge on change</li> <li>• House constructed without earthquake resistant techniques</li> <li>• Some Old and weak houses, weak Foundation, attached House, Dense House</li> <li>• Lack of knowledge of Earthquake proof house</li> <li>• Construction of Multistoried buildings</li> <li>• Excess extraction of ground water</li> <li>• Poor foundation for construction of House</li> </ul>	Physical, Infrastructures Attitudinal
	Fire	<ul style="list-style-type: none"> <li>•5000 People</li> <li>•159 Livestock</li> <li>• 100% Physical- Schools, water supply, electricity obstruction, Some Infrastructures- Burnt Houses, Physical Materials, Water source</li> <li>•Burn Infrastructures- Health Building, Market &amp; shops, communication</li> </ul>	<ul style="list-style-type: none"> <li>• 150 Death</li> <li>• 1750 Injure</li> <li>• 3000 Displace</li> <li>• Burnt Physical property</li> <li>• Burn Infrastructures</li> </ul>	<ul style="list-style-type: none"> <li>• Unmanaged old wiring of electric wire</li> <li>• Carelessness handling of LPG gas and ignition materials and their storage</li> <li>• Lack of knowledge &amp; Skill</li> <li>• Having traditional attitude</li> <li>• Environmental degradation</li> <li>• Dense Houses</li> </ul>	Physical Infrastructures Attitudinal

Thiba	Earthquake	<ul style="list-style-type: none"> <li>• People, 60% Household, 50% Livestock</li> <li>• Physical- 80% Water sources &amp; distribution pipes- Well, 20% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>• Infrastructures- 60% Road, 90% Communication, 60% Health buildings, some 20% School, 70% Markets &amp; Shop</li> <li>• 50% Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• 1732 Death</li> <li>• 3463 Injury</li> <li>• 4044 including injured persons Displace</li> <li>• Destruction of House, infrastructures</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of Public awareness and knowledge on disaster reduction</li> <li>• Unmanaged construction of House</li> <li>• Traditional attitude and lack of knowledge on change</li> <li>• House constructed without earthquake resistant techniques</li> <li>• Some Old and weak houses, weak Foundation, attached House, Dense House</li> <li>• Lack of knowledge of Earthquake proof house</li> <li>• Construction of Multistoried buildings</li> <li>• Excess extraction of ground water</li> <li>• Poor foundation for construction of House</li> </ul>	Physical, Infrastructures Attitudinal
	Road Accident	<ul style="list-style-type: none"> <li>• 115 People , 577 Family</li> <li>• Physical- vehicle damaged</li> <li>• Some Infrastructures damaged</li> </ul>	<ul style="list-style-type: none"> <li>• Dead</li> <li>• Injury</li> <li>• Damage of Physical Materials</li> </ul>	<ul style="list-style-type: none"> <li>• Dense Traffic</li> <li>• Narrow road width</li> <li>• Negligence in drive and avoiding traffic rules</li> </ul>	Physical Attitudinal Infrastructure
Thecho	Earthquake	<ul style="list-style-type: none"> <li>• People, 45% Families, 1100 Household, 50% Livestock</li> <li>• Physical- 80% Water sources &amp; distribution pipes- Well, 20% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>• Infrastructures- 60% Road, 60% Communication, 50% Health buildings, some 10% School, 70% Markets &amp; Shop</li> <li>• 50% Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• 2288 Death</li> <li>• 5338 Injury</li> <li>• 7627 persons Displace</li> <li>• Destruction of House, infrastructures</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of Public awareness and knowledge on disaster reduction</li> <li>• Unmanaged construction of House</li> <li>• Traditional attitude and lack of knowledge on change</li> <li>• House constructed without earthquake resistant techniques</li> <li>• Some Old and weak houses, weak Foundation, attached House, Dense House</li> <li>• Lack of knowledge of Earthquake proof house</li> <li>• Construction of Multistoried buildings</li> <li>• Excess extraction of ground water</li> <li>• Poor foundation for construction of House</li> </ul>	Physical, Infrastructures Attitudinal
	Road Accident	<ul style="list-style-type: none"> <li>• People</li> <li>• Physical- vehicle damaged</li> <li>• Some Infrastructures damaged</li> </ul>	<ul style="list-style-type: none"> <li>• Dead</li> <li>• Injury</li> <li>• Damage of Physical Materials</li> </ul>	<ul style="list-style-type: none"> <li>• Dense Traffic</li> <li>• Narrow road width</li> <li>• Negligence in drive and avoiding traffic rules</li> </ul>	Physical Attitudinal Infrastructure
Danchhi	Earthquake	<ul style="list-style-type: none"> <li>• 6375 People, 1100 Families, 40 Livestock</li> <li>• Physical- 60% Water sources &amp; distribution pipes- Well, 100% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>• Infrastructures- 100% Road, 100% Communication, 1 Health buildings, some School, 100% Markets &amp; Shop</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• 500 Death</li> <li>• 1500 Injury</li> <li>• 3984 persons Displace</li> <li>• Destruction of House, infrastructures</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of Public awareness and knowledge on disaster reduction</li> <li>• Unmanaged construction of House</li> <li>• Traditional attitude and lack of knowledge on change</li> <li>• House constructed without earthquake resistant techniques</li> <li>• Some Old and weak houses, weak Foundation, attached House, Dense House</li> <li>• Lack of knowledge of Earthquake proof house</li> <li>• Construction of Multistoried buildings</li> <li>• Excess extraction of ground water</li> <li>• Poor foundation for construction of House</li> </ul>	Physical, Infrastructures Attitudinal
	Fire	<ul style="list-style-type: none"> <li>• 1195 People, 250 Families,</li> <li>• Some Physical- Schools, water supply, electricity obstruction, Some Infrastructures- Burnt Houses, Physical Materials, Water source</li> <li>• Burn Infrastructures- Health Building, Market &amp; shops, communication</li> <li>• 15% Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• 122 Death</li> <li>• 900 Injure</li> <li>• Displace</li> <li>• Burnt Physical property</li> <li>• Burn Infrastructures</li> </ul>	<ul style="list-style-type: none"> <li>• Unmanaged old wiring of electric wire</li> <li>• Carelessness handling of LPG gas and ignition materials and their storage</li> <li>• Lack of knowledge &amp; Skill</li> <li>• Having traditional attitude</li> <li>• Environmental degradation</li> <li>• Dense Houses</li> </ul>	Physical Infrastructures Attitudinal

	Epidemic	<ul style="list-style-type: none"> <li>• 398 People, 50 Households</li> <li>• Water sources</li> </ul>	<ul style="list-style-type: none"> <li>• Diarrhea, dysentery and conjunctivitis</li> <li>• Death of people, injury, Livestock</li> <li>• Blind</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of Public awareness on disaster reduction</li> <li>• Lack of proper sanitation</li> <li>• Open defecation</li> <li>• Changing of climate cause conjunctivitis</li> <li>• Pollution through Brick kiln</li> <li>• Lack of Money</li> </ul>	Physical, Infrastructures Attitudinal
Dharamsthali	Earthquake	<ul style="list-style-type: none"> <li>• People, 60 Livestock</li> <li>Physical- 100% Water sources &amp; distribution pipes- Well, 100% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>• 100% Infrastructures- 100% Road, 100% Communication, 1 Health buildings, some School, 100% Markets &amp; Shop</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• 1500 Death</li> <li>• 1500 Injury</li> <li>• 105 persons Displace</li> <li>• Destruction of House, infrastructures</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of Public awareness and knowledge on disaster reduction</li> <li>• Unmanaged construction of House</li> <li>• Traditional attitude and lack of knowledge on change</li> <li>• House constructed without earthquake resistant techniques</li> <li>• Some Old and weak houses, weak Foundation, attached House, Dense House</li> <li>• Lack of knowledge of Earthquake proof house</li> <li>• Construction of Multistoried buildings</li> <li>• Excess extraction of ground water</li> <li>• Poor foundation for construction of House</li> </ul>	Physical, Infrastructures Attitudinal
	Landslide	<ul style="list-style-type: none"> <li>• People, Livestock</li> <li>• 20% Physical: 56 Ropani agricultural Land, 65 Houses, 20 cattle,</li> <li>• Infrastructures and social assets, Water Tank, bridge</li> </ul>	<ul style="list-style-type: none"> <li>• 150 Dead, 650 injure, Displaced,</li> <li>• Livelihoods resources.</li> <li>• 65 Households,</li> </ul>	<ul style="list-style-type: none"> <li>• Sloping land, Weak in Geographical features,</li> <li>• Rapid deforestation</li> <li>• Heavy Rainfall</li> <li>• Traditional attitude and lack of knowledge on change</li> <li>• No existence of I/NGOs except NRCS</li> </ul>	Physical, Infrastructures Attitudinal
Gongabu	Earthquake	<ul style="list-style-type: none"> <li>• People, 3200 Household,</li> <li>• 60 Livestock</li> <li>• Physical- 100% Water sources &amp; distribution pipes- Well, 100% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>• Infrastructures- 100% Road, 100% Communication, 1 Health buildings, some School, 100% Markets &amp; Shop</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• 2500 Death</li> <li>• 5000 Injury</li> <li>• 1050 persons Displace</li> <li>• Destruction of House, infrastructures</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of Public awareness and knowledge on disaster reduction</li> <li>• Unmanaged construction of House</li> <li>• Traditional attitude and lack of knowledge on change</li> <li>• House constructed without earthquake resistant techniques</li> <li>• Some Old and weak houses, weak Foundation, attached House, Dense House</li> <li>• Lack of knowledge of Earthquake proof house</li> <li>• Construction of Multistoried buildings</li> <li>• Excess extraction of ground water</li> <li>• Poor foundation for construction of House</li> </ul>	Physical, Infrastructures Attitudinal
	Fire	<ul style="list-style-type: none"> <li>• People, 3200 Household,</li> <li>• 60 Livestock</li> <li>• Physical- 100% Water sources &amp; distribution pipes- Well, 100% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>• Infrastructures- 100% Road, 100% Communication, 1 Health buildings, some School, 100% Markets &amp; Shop</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• 2500 Death</li> <li>• 5000 Injury</li> <li>• 1050 persons Displace</li> <li>• Destruction of House, infrastructures</li> </ul>	<ul style="list-style-type: none"> <li>• Unmanaged old wiring of electric wire</li> <li>• Carelessness handling of LPG gas and ignition materials and their storage</li> <li>• Lack of knowledge &amp; Skill</li> <li>• Having traditional attitude</li> <li>• Environmental degradation</li> <li>• Dense Houses</li> </ul>	Physical Infrastructures Attitudinal
	Road Accident	<ul style="list-style-type: none"> <li>• People, Families, 15 Livestock</li> <li>• Some Physical- Schools, water supply, electricity obstruction, 115 Households</li> <li>• Some Infrastructures- Burnt Houses, Physical Materials, Water source</li> <li>• Burn Infrastructures- Health Building, Market &amp; shops, communication</li> </ul>	<ul style="list-style-type: none"> <li>• 300 Death</li> <li>• 900 Injure</li> <li>• 55 Displace</li> <li>• Burnt Physical property</li> <li>• Burn Infrastructures-</li> </ul>	<ul style="list-style-type: none"> <li>• Dense Traffic</li> <li>• Narrow road width</li> <li>• Negligence in drive and avoiding traffic rules</li> </ul>	Physical Attitudinal Infrastructure

		<ul style="list-style-type: none"> <li>• 15% Livelihood</li> </ul>			
	Epidemic	<ul style="list-style-type: none"> <li>• People, Family</li> <li>• Physical- vehicle damaged</li> <li>• Some Infrastructures damaged</li> </ul>	<ul style="list-style-type: none"> <li>• Dead</li> <li>• Injury</li> <li>• Damage of Physical Materials</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of Public awareness on disaster reduction</li> <li>• Lack of proper sanitation</li> <li>• Open defecation</li> <li>• Changing of climate cause conjunctivitis</li> <li>• Pollution through Brick kiln</li> <li>• Lack of Money</li> </ul>	Physical, Infrastructures Attitudinal
Jorpati	Earthquake	<ul style="list-style-type: none"> <li>• 77934 People, 6735 Household,</li> <li>• 100% Physical- 100% Water sources &amp; distribution pipes- Well, 100% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>• 100% Infrastructures- 100% Road, 100% Communication, 1 Health buildings, some School, 100% Markets &amp; Shop</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Death</li> <li>• Injury</li> <li>• Displace including injured persons</li> <li>• Destruction of House, infrastructures</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of Public awareness and knowledge on disaster reduction</li> <li>• Unmanaged construction of House</li> <li>• Lack of Money</li> <li>• Traditional attitude and lack of knowledge on change</li> <li>• House constructed without earthquake resistant techniques</li> <li>• Some Old and weak houses, weak Foundation</li> <li>• Lack of knowledge of Earthquake proof house</li> </ul>	Physical, Infrastructures Attitudinal
	Fire	<ul style="list-style-type: none"> <li>• 13744 People,</li> <li>• Some Physical properties- Schools, water supply, electricity, 115 Households</li> <li>• Some Infrastructures- Burnt Houses, Physical Materials, Water source</li> <li>• Burn Infrastructures- Health Building, Market &amp; shops, communication</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Death</li> <li>• Injury</li> <li>• Displace</li> <li>• Burnt Physical property</li> <li>• Burn Infrastructures-</li> </ul>	<ul style="list-style-type: none"> <li>• Unmanaged old wiring of electric wire</li> <li>• Carelessness handling of LPG gas and ignition materials and their storage</li> <li>• Lack of knowledge &amp; Skill</li> <li>• Having traditional attitude</li> <li>• Environmental degradation</li> </ul>	Physical Infrastructures Attitudinal
	storm	<ul style="list-style-type: none"> <li>• People</li> <li>• Physical- Physical Materials, Water sources,</li> <li>• Infrastructures- Communication, Health, School, Markets &amp; Shop</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• 40 Death, 100 injured/ -People, Livestock</li> <li>• Demolish of Physical property -Houses, Physical Materials, Communication, Obstruct road, felling of tree, electric poles</li> <li>• Fire</li> </ul>	<ul style="list-style-type: none"> <li>• Destruction of House</li> <li>• Lack of knowledge &amp; Skill</li> <li>• Having traditional attitude</li> <li>• No preparedness for disaster</li> <li>• Lack of Money</li> </ul>	Physical Infrastructures Attitudinal Economic
	Epidemic	<ul style="list-style-type: none"> <li>• People, Livestock</li> <li>• Water sources</li> </ul>	<ul style="list-style-type: none"> <li>• Diarrhea, dysentery and conjunctivitis</li> <li>• 51 Death of people, 249 injure, Livestock</li> <li>• Blind</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of Public awareness on disaster reduction</li> <li>• Lack of proper sanitation</li> <li>• Open defecation</li> <li>• Changing of climate cause conjunctivitis</li> <li>• Pollution through Brick kiln</li> <li>• Lack of Money</li> </ul>	Physical, Infrastructures Attitudinal
Kapan	Earthquake	<ul style="list-style-type: none"> <li>• 000 Families, 60 Livestock</li> <li>• 100% Physical- 100% Water sources &amp; distribution pipes- Well, 100% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>• 100% Infrastructures- 100% Road, 100% Communication, 1 Health buildings, some School, 100% Markets &amp; Shop</li> <li>• Livelihood</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• 5000 Death</li> <li>• 30000 Injury</li> <li>• Displace</li> <li>• Destruction of House, infrastructures</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of Public awareness and knowledge on disaster reduction</li> <li>• Unmanaged construction of House</li> <li>• Lack of Money</li> <li>• Traditional attitude and lack of knowledge on change</li> <li>• House constructed without earthquake resistant techniques</li> <li>• Some Old and weak houses, weak Foundation</li> <li>• Lack of knowledge of Earthquake proof house</li> </ul>	Physical, Infrastructures Attitudinal
	Road Accident	<ul style="list-style-type: none"> <li>• 700 People,</li> <li>• Physical- vehicle damaged</li> <li>• Some Infrastructures damaged</li> </ul>	<ul style="list-style-type: none"> <li>• Dead</li> <li>• Injury</li> <li>• Damage of Physical Materials</li> </ul>	<ul style="list-style-type: none"> <li>• Dense Traffic</li> <li>• Narrow road width</li> <li>• Negligence in drive and avoiding traffic rules</li> </ul>	Physical Attitudinal Infrastructure

	Fire	<ul style="list-style-type: none"> <li>• 1500 People, 10 Families, 20 Livestock</li> <li>• Some Physical- Schools, water supply, electricity obstruction, Households</li> <li>• Some Infrastructures- Burnt some Physical property Houses, Physical Materials, Land, Water source</li> <li>• Burn Infrastructures- Health Building, Market &amp; shops, communication</li> <li>• 15% Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Death</li> <li>• Injure</li> <li>• Displace</li> <li>• Burnt Physical property</li> <li>• Burn Infrastructures</li> </ul>	<ul style="list-style-type: none"> <li>• Unmanaged old wiring of electric wire</li> <li>• Carelessness handling of LPG gas and ignition materials and their storage</li> <li>• Lack of knowledge &amp; Skill</li> <li>• Having traditional attitude</li> <li>• Environmental degradation</li> </ul>	Physical Infrastructures Attitudinal
Naikap	Earthquake	<ul style="list-style-type: none"> <li>• 5608 People, 550 Families, 20 Livestock</li> <li>• Physical- 100% Water sources &amp; distribution pipes- Well, 100% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>• Infrastructures- 100% Road, 100% Communication, 1 Health buildings, some School, 100% Markets &amp; Shop</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• 100 Death</li> <li>• 500 Injure</li> <li>• Displace</li> <li>• Destruction of House, &amp; infrastructures</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of Public awareness and knowledge on disaster reduction</li> <li>• Unmanaged construction of House</li> <li>• Lack of Money</li> <li>• Traditional attitude and lack of knowledge on change</li> <li>• No existence of I/NGOs except NRCS</li> <li>• House constructed without earthquake resistant techniques</li> <li>• Old and weak houses, weak Foundation</li> <li>• Lack of knowledge of Earthquake proof house</li> </ul>	Physical, Infrastructures Attitudinal
	Fire	<ul style="list-style-type: none"> <li>• 295 People, 20 Livestock</li> <li>• Some Infrastructures- Houses, Physical Materials, 20 Ropani Land, Water source</li> <li>• Burn Infrastructures- Health Building, Market &amp; shops, communication, Schools, water supply, electricity obstruction,</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Death</li> <li>• Injure</li> <li>• Displace</li> <li>• Burnt Physical property</li> <li>• Burn Infrastructures-</li> </ul>	<ul style="list-style-type: none"> <li>• Unmanaged old wiring of electric wire</li> <li>• Carelessness handling of LPG gas and ignition materials and their storage</li> <li>• Lack of knowledge &amp; Skill</li> <li>• Having traditional attitude</li> <li>• Environmental degradation</li> </ul>	Physical Infrastructures Attitudinal
	Road Accident	<ul style="list-style-type: none"> <li>• People , 20 Families</li> <li>• Physical- vehicle damaged</li> <li>• Some Infrastructures damaged</li> </ul>	<ul style="list-style-type: none"> <li>• 20 Dead</li> <li>• 40 Injure</li> <li>• Damage of Physical Materials</li> </ul>	<ul style="list-style-type: none"> <li>• Dense Traffic</li> <li>• Narrow road width</li> <li>• Negligence in drive and avoiding traffic rules</li> </ul>	Physical Attitudinal Infrastructure
Syuchatar	Earthquake	<ul style="list-style-type: none"> <li>• 12070 People, 1406 Families, 70 Livestock</li> <li>• 100% Physical- 100% Water sources &amp; distribution pipes- Well, 100% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>• 100% Infrastructures- Road, Communication, 1 Health buildings, some School, Markets &amp; Shop</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• 3000 Death</li> <li>• 2600 Injure</li> <li>• Displace</li> <li>• Destruction of House, infrastructures</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of Public awareness and knowledge on disaster reduction</li> <li>• Unmanaged construction of House</li> <li>• Lack of Money</li> <li>• Traditional attitude and lack of knowledge on change</li> <li>• No existence of I/NGOs except NRCS</li> <li>• House constructed without earthquake resistant techniques</li> <li>• Old and weak houses, weak Foundation</li> <li>• Lack of knowledge of Earthquake proof house</li> </ul>	Physical, Infrastructures Attitudinal
	Fire	<ul style="list-style-type: none"> <li>• People , 15 Livestock</li> <li>• Some Physical- Schools, water supply, electricity obstruction</li> <li>• Some Infrastructures- Burnt some Physical property Houses, Physical Materials, 20 Ropani Land, Water source</li> <li>• Burn Infrastructures- Health Building, Market &amp; shops, communication</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Death</li> <li>• Injure</li> <li>• Displace</li> <li>• Burnt Physical property</li> <li>• Burn Infrastructures</li> </ul>	<ul style="list-style-type: none"> <li>• Unmanaged old wiring of electric wire</li> <li>• Carelessness handling of LPG gas and ignition materials and their storage</li> <li>• Lack of knowledge &amp; Skill</li> <li>• Having traditional attitude</li> <li>• Environmental degradation</li> </ul>	Physical Infrastructures Attitudinal
	Landslide	<ul style="list-style-type: none"> <li>• 10 People,</li> <li>• 20% Physical: 100 56 Ropani agricultural Land, 65 Houses, cattle,</li> <li>• 20% Infrastructures and social assets, Water Tank</li> </ul>	<ul style="list-style-type: none"> <li>• Dead,</li> <li>• Injure,</li> <li>• Displace</li> <li>• 65 Households,</li> </ul>	<ul style="list-style-type: none"> <li>• Sloping land, Weak in Geographical features,</li> <li>• Rapid deforestation</li> <li>• Traditional attitude and lack of knowledge on change</li> <li>• No existence of I/NGOs except NRCS</li> </ul>	Physical, Infrastructures Attitudinal

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Tokha	Earthquake	<ul style="list-style-type: none"> <li>• 55 People, 20 Livestock</li> <li>• Some Infrastructures- Burnt some Physical property Houses, Physical Materials, Land, Water source</li> <li>• Burn Infrastructures- Health Building, Market &amp; shops, communication, Schools, water supply, electricity obstruction</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Death</li> <li>• Injure</li> <li>• Displace</li> <li>• Burnt Physical property</li> <li>• Burn Infrastructures-</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of Public awareness and knowledge on disaster reduction</li> <li>• Unmanaged construction of House</li> <li>• Lack of Money</li> <li>• Traditional attitude and lack of knowledge on change</li> <li>• No existence of I/NGOs except NRCS</li> <li>• House constructed without earthquake resistant techniques</li> <li>• Old and weak houses, week Foundation</li> <li>• Lack of knowledge of Earthquake proof house</li> </ul>	Physical, Infrastructures Attitudinal
	Fire	<ul style="list-style-type: none"> <li>• People ,</li> <li>• Physical- vehicle damaged</li> <li>• Some Infrastructures damaged</li> </ul>	<ul style="list-style-type: none"> <li>• 15 Dead</li> <li>• 60 Injure</li> <li>• Damage of Physical Materials</li> </ul>	<ul style="list-style-type: none"> <li>• Unmanaged old wiring of electric wire</li> <li>• Carelessness handling of LPG gas and ignition materials and their storage</li> <li>• Lack of knowledge &amp; Skill</li> <li>• Having traditional attitude</li> <li>• Environmental degradation</li> </ul>	Physical Infrastructures Attitudinal
	Road Accident	<ul style="list-style-type: none"> <li>• 55 People, 20 Livestock</li> <li>• Some Infrastructures- Burnt some Physical property Houses, Physical Materials, Land, Water source</li> <li>• Burn Infrastructures- Health Building, Market &amp; shops, communication, Schools, water supply, electricity obstruction</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Death</li> <li>• Injure</li> <li>• Displace</li> <li>• Burnt Physical property</li> <li>• Burn Infrastructures-</li> </ul>	<ul style="list-style-type: none"> <li>• Dense Traffic</li> <li>• Narrow road width</li> <li>• Negligence in drive and avoiding traffic rules</li> </ul>	Physical Attitudinal Infrastructure
Sudal	Epidemic	<ul style="list-style-type: none"> <li>• People</li> <li>• Livelihood</li> <li>• 80% Water sources, 80% Livestock</li> </ul>	<ul style="list-style-type: none"> <li>• Diarrhea, dysentery and conjunctivitis</li> <li>• 7 Death of people</li> <li>• 736 injure, Livestock</li> <li>• Blind</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of Public awareness on disaster reduction</li> <li>• Lack of proper sanitation</li> <li>• Open defecation</li> <li>• Changing of climate cause conjunctivitis</li> <li>• Pollution through Brick kiln</li> <li>• Lack of Money</li> </ul>	Physical, Infrastructures Attitudinal
	Earthquake	<ul style="list-style-type: none"> <li>• 5460 People, 60% Livestock</li> <li>• Physical- 25% Water sources &amp; distribution pipes- Well, 50% Physical Materials,</li> <li>• Infrastructures- 50% Road, 80% Communication, 80% Health buildings, 80% School, 20% Markets &amp; Shop</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• 295 Death</li> <li>• 1179 Injure</li> <li>• 736 persons Displace</li> <li>• Destruction of House, infrastructures</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of Public awareness and knowledge on disaster reduction</li> <li>• Unmanaged construction of House</li> <li>• Lack of Money</li> <li>• Traditional attitude and lack of knowledge on change</li> <li>• No existence of I/NGOs except NRCS</li> <li>• House constructed without earthquake resistant techniques</li> <li>• Old and weak houses, week Foundation</li> <li>• Lack of knowledge of Earthquake proof house</li> </ul>	Physical, Infrastructures Attitudinal
Jhaukhel	Earthquake	<ul style="list-style-type: none"> <li>• 5460 People,</li> <li>• Physical- Water sources &amp; distribution pipes- Well, 15% Physical Materials, Houses, 3</li> <li>• Infrastructures- 30% Road, 60% Communication, 60% Health buildings, 50% School, 55% Markets &amp; Shop</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• 1023 Death</li> <li>• 3412 Injure</li> <li>• Displace</li> <li>• Destruction of House, infrastructures</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of Public awareness and knowledge on disaster reduction</li> <li>• Unmanaged construction of House</li> <li>• Lack of Money</li> <li>• Traditional attitude and lack of knowledge on change</li> <li>• No existence of I/NGOs except NRCS</li> <li>• House constructed without earthquake resistant techniques</li> <li>• Old and weak houses, week Foundation</li> <li>• Lack of knowledge of Earthquake proof house</li> </ul>	Physical, Infrastructures Attitudinal
	Epidemic	<ul style="list-style-type: none"> <li>• People</li> <li>• Livelihood</li> <li>• Water sources</li> </ul>	<ul style="list-style-type: none"> <li>• Diarrhea, dysentery and conjunctivitis</li> <li>• 136 Death of people, 685 injure, Livestock</li> <li>• Blind</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of Public awareness on disaster reduction</li> <li>• Lack of proper sanitation</li> <li>• Turbid water during rainy season</li> <li>• Changing of climate cause conjunctivitis</li> </ul>	Physical, Infrastructures Attitudinal

				<ul style="list-style-type: none"> <li>Lack of Money</li> </ul>	
	Fire	<ul style="list-style-type: none"> <li>600 People,</li> <li>Some Physical- Schools, water supply, electricity obstruction, 150 Households</li> <li>Some Infrastructures- Burnt 3% Physical property -342 Houses, Physical Materials, 1% Land, 4% Livestock, 1% Water source</li> <li>Burn Infrastructures- 30% Health Building, 30% Market &amp; shops, 35% communication</li> <li>Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>68 Death</li> <li>136 Injure</li> <li>Displace</li> <li>Burn Physical property</li> <li>Burn Infrastructures-</li> </ul>	<ul style="list-style-type: none"> <li>Unmanaged old wiring of electric wire</li> <li>Carelessness handling of LPG gas and ignition materials and their storage</li> <li>Lack of knowledge &amp; Skill</li> <li>Having traditional attitude</li> <li>Environmental degradation</li> </ul>	Physical Infrastructures Attitudinal
Gundu	Earthquake	<ul style="list-style-type: none"> <li>1335 People,</li> <li>Physical- Water sources &amp; distribution pipes- Well, 15% Physical Materials, Houses, 3</li> <li>Infrastructures- 80% Road, 80% Communication, Health sub post, 80% School, 90% Markets &amp; Shop</li> <li>90% Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>Death</li> <li>Injure</li> <li>Displace</li> <li>Destruction of House, &amp; Infrastructures</li> </ul>	<ul style="list-style-type: none"> <li>Lack of Public awareness and knowledge on disaster reduction</li> <li>No preparedness of relief Materials</li> <li>Unmanaged construction of House</li> <li>Lack of Money</li> <li>Traditional attitude and lack of knowledge on change</li> <li>No existence of I/NGOs except NRCS</li> <li>House constructed without earthquake resistant techniques</li> <li>Many family members in one House</li> <li>Old and weak houses</li> <li>Lack of knowledge of Earthquake proof house</li> </ul>	Physical, Infrastructures Attitudinal
	Landslide	<ul style="list-style-type: none"> <li>1068 People,</li> <li>20% Physical: 100 Ropani agricultural Land, 65 Houses, cattle,</li> <li>20% Infrastructures and social assets, Water Tank</li> </ul>	<ul style="list-style-type: none"> <li>Dead,</li> <li>injure,</li> <li>Displace</li> <li>65 Households,</li> </ul>	<ul style="list-style-type: none"> <li>Sloping land, Weak in Geographical features,</li> <li>Rapid deforestation</li> <li>Traditional attitude and lack of knowledge on change</li> <li>No existence of I/NGOs except NRCS</li> </ul>	Physical, Infrastructures Attitudinal
Duwakot	Earthquake	<ul style="list-style-type: none"> <li>7978 People, All families</li> <li>Physical- Water sources &amp; distribution pipes- Well, 15% Physical Materials, 1074 Houses, 3</li> <li>Infrastructures- 80% Road, 80% Communication, Health sub post, 80% School, 90% Markets &amp; Shop</li> <li>50% Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>2078 Death</li> <li>1560 Injure</li> <li>1560 Displace</li> <li>Destruction of House, infrastructures</li> </ul>	<ul style="list-style-type: none"> <li>Lack of Public awareness and knowledge on disaster reduction</li> <li>No preparedness of relief Materials</li> <li>No Human resource</li> <li>Lack of Money</li> <li>House constructed without earthquake resistant techniques</li> <li>Many family members in one House</li> <li>Old and weak houses</li> <li>Lack of knowledge of Earthquake proof house</li> </ul>	Physical, Infrastructures Attitudinal
	Landslide	<ul style="list-style-type: none"> <li>2393 People, 3.21 sqm agricultural Land,</li> <li>Houses, cattle,</li> <li>30% Infrastructures and social assets, Water Tank</li> </ul>	<ul style="list-style-type: none"> <li>5 Dead, 4 injure,</li> <li>Damaged irrigation canal, Livelihoods resources.</li> </ul>	<ul style="list-style-type: none"> <li>Excess extracting of Sand and mud for Brick kiln</li> <li>Lack of money,</li> <li>Not presence of organization (GO/NGO),</li> <li>Lack of awareness.</li> <li>Lack of skilled man power</li> </ul>	Physical, Infrastructures Attitudinal
Chittapole	Earthquake	<ul style="list-style-type: none"> <li>5197 People,</li> <li>Physical- Water sources &amp; distribution pipes- Well, Physical Materials, 1074 Houses, Land</li> <li>Infrastructures- Road, Communication, Health sub post, School, Markets &amp; Shop</li> <li>Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>2078 Death</li> <li>1560 Injure</li> <li>1560 Displace</li> <li>Destruction of House, infrastructures</li> </ul>	<ul style="list-style-type: none"> <li>Lack of Public awareness and knowledge on disaster reduction</li> <li>No preparedness of relief Materials</li> <li>No Human resource</li> <li>Lack of Money</li> <li>House constructed without earthquake resistant techniques</li> <li>Many family members in one House</li> </ul>	Physical, Infrastructures Attitudinal



	Epidemic	<ul style="list-style-type: none"> <li>• People</li> <li>• Livelihood</li> <li>• Water sources</li> </ul>	<ul style="list-style-type: none"> <li>• Diarrhea, dysentery and conjunctivitis</li> <li>• 260 Death of people,</li> <li>• 520 injure,</li> <li>• livestock</li> <li>• Blind</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of Public awareness on disaster reduction</li> <li>• Turbid water during rainy season</li> <li>• Waste dumping on road, public places, River</li> <li>• Changing of climate cause conjunctivitis</li> <li>• Lack of Money</li> </ul>	Physical, Infrastructures Attitudinal
Balkot	Earthquake	<ul style="list-style-type: none"> <li>• People, families</li> <li>• Physical- Water sources &amp; distribution pipes- Well, Physical Materials, Houses, Land</li> <li>• Infrastructures- Road, Communication, Health sub post, School, Markets &amp; Shop</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Death</li> <li>• Injury</li> <li>• Displace</li> <li>• Destruction of House, infrastructures</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of Public awareness and knowledge on disaster reduction</li> <li>• No preparedness of relief Materials</li> <li>• No Human resource</li> <li>• Lack of Money</li> <li>• House constructed without earthquake resistant techniques</li> </ul>	Physical, Infrastructures Attitudinal
	Epidemic	<ul style="list-style-type: none"> <li>• People</li> <li>• Livelihood</li> <li>• Water sources</li> </ul>	<ul style="list-style-type: none"> <li>• Diarrhea, dysentery and conjunctivitis</li> <li>• Death of people, Livestock</li> <li>• Blind</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of Public awareness on disaster reduction</li> <li>• Turbid water during rainy season</li> <li>• Meal taken without washing hand</li> <li>• Waste dumping on road, public places, River</li> <li>• Hiding disease by women</li> <li>• Changing of climate cause conjunctivitis</li> <li>• Lack of Money</li> </ul>	Physical Social physical

Table 4: Capacity Matrix					
VDC Ward	Hazard	Element at risk	Coping mechanism	Resource used	Capacity factor
Dhapakhel	Earthquake	<ul style="list-style-type: none"> <li>• People, Household,</li> <li>• Livestock</li> <li>• Physical- Water sources &amp; distribution pipes- Well, Physical Materials, Land</li> <li>• Infrastructures- Road, Communication, Health buildings, some School, Markets &amp; Shop</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Construction of Earthquake resistant buildings by some people</li> <li>• Government took initiative in widening the road</li> <li>• Immediately Rehabilitate the victims</li> <li>• Gained income generation skills</li> <li>• Immediately use local materials</li> <li>• People rush outside shouting and seeking help from neighbors</li> </ul>	<ul style="list-style-type: none"> <li>• Skilled and unskilled person ,Red Cross, Club, Government Agencies, CBOs, Neighbors, Sufficient Manpower for the rescue and relief operation</li> <li>• Space available for evacuation and better available transportation</li> <li>• Available Relief Kits</li> <li>• Physical Materials and food can be purchased nearby Market</li> <li>• Some People having Knowledge of building equipped with earthquake technology</li> <li>• Self-earned money</li> <li>• Support from Ward Office, I/ NGO, club</li> <li>• Many Hospitals, clinic, Health post</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
	Fire	<ul style="list-style-type: none"> <li>• People</li> <li>• Families, Livestock</li> <li>• Some Physical- Schools, water supply, electricity obstruction, Some Infrastructures- Burnt Houses, Physical Materials, Water source</li> <li>• Burn Infrastructures- Health Building, Market &amp; shops, communication</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Cutting of dried trees and bush</li> <li>• Sufficient money to change old roof with RCC roof</li> <li>• Easy access for Fire brigade</li> <li>• Reduce the use of bio fuel (firewood, thatch etc.) as cooking materials</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• Sufficient Manpower for the rescue and relief operation</li> <li>• Immediate take action and support by Government Agencies, I/NGOs, Local clubs.</li> <li>• Space available for safe shelter during relief operation</li> <li>• Available natural resources- Bamboo, Thatch, Water etc.</li> <li>• Available 5 sets of relief materials</li> <li>• Good communication system</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
	Epidemic	<ul style="list-style-type: none"> <li>• People, Households</li> <li>• Water sources</li> </ul>	<ul style="list-style-type: none"> <li>• Maintain Proper sanitation by some people</li> <li>• Managed water source</li> <li>• Still Use of local Sorcerer for the treatment</li> <li>• Use of Toilet properly</li> <li>• Go to Hospital</li> </ul>	<ul style="list-style-type: none"> <li>• Toilet in every house</li> <li>• Available Water sources</li> <li>• Deep tube well boring, well in most houses</li> <li>• Support from Ward Office,</li> <li>• Treatment in Hospital, Health post ,</li> </ul>	<ul style="list-style-type: none"> <li>• Human</li> <li>• Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
Imadol	Earthquake	<ul style="list-style-type: none"> <li>• People, 1171 Households</li> <li>• 50% Livestock</li> <li>• Physical- 100% Water sources &amp; distribution pipes- Well, 100% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>• Infrastructures- 100% Road, 100% Communication, 1 Health buildings, some School, 100% Markets &amp; Shop</li> <li>• 50% Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Construction of Earthquake resistant buildings by some people</li> <li>• Government took initiative in widening the road</li> <li>• Immediately Rehabilitate the victims</li> <li>• Gained income generation skills</li> <li>• Immediately use local materials</li> <li>• People rush outside shouting and seeking help from neighbors</li> </ul>	<ul style="list-style-type: none"> <li>• Skilled and unskilled person ,Red Cross, Club, Government Agencies, CBOs, Neighbors, Sufficient Manpower for the rescue and relief operation</li> <li>• Space available for evacuation and better available transportation</li> <li>• Available Relief Kits</li> <li>• Physical Materials and food can be purchased nearby Market</li> <li>• Some People having Knowledge of building equipped with earthquake technology</li> <li>• Self-earned money</li> <li>• Support from Ward Office, I/ NGO, club</li> <li>• Many Hospitals, clinic, Health post</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
	Fire	<ul style="list-style-type: none"> <li>• 2820 People, 7 351 households</li> <li>• 15% Livestock</li> <li>• 20% Physical- Schools, 80% water supply, electricity obstruction, 115 Households, 20% Land</li> <li>• Some Infrastructures- Burnt Houses, Physical Materials, Water source</li> <li>• Burn Infrastructures- Health Building, 30% Market &amp; shops, 2% communication</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Cutting of dried trees and bush</li> <li>• Sufficient money to change old roof with RCC roof</li> <li>• Easy access for Fire brigade</li> <li>• Reduce the use of bio fuel (firewood, thatch etc.) as cooking materials</li> </ul>	<ul style="list-style-type: none"> <li>• Sufficient Manpower for the rescue and relief operation</li> <li>• Immediate take action and support by Government Agencies, I/NGOs, Local clubs.</li> <li>• Space available for safe shelter during relief operation</li> <li>• Available natural resources- Bamboo, Thatch, Water etc.</li> <li>• Available 5 sets of relief materials</li> <li>• Good communication system</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>

	Road Accident	<ul style="list-style-type: none"> <li>• 377 People , 45 Family</li> <li>• Physical- vehicle damaged</li> <li>• Some Infrastructures damaged</li> </ul>	<ul style="list-style-type: none"> <li>• Capable to get treatment from nearby Hospital</li> <li>• Immediate action by traffic police</li> </ul>	<ul style="list-style-type: none"> <li>• Traffic Police</li> <li>• Local CBOs and Club, Government Agencies</li> <li>• Rules &amp; Regulation of Traffic</li> <li>• Widening of Road</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
Siddhipur	Earthquake	<ul style="list-style-type: none"> <li>• 3000 People, 305 Families</li> <li>• 50% Livestock</li> <li>• Physical- 100% Water sources &amp; distribution pipes- Well, 100% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>• Infrastructures- 100% Road, 100% Communication, 2 Health buildings, some School, 100% Markets &amp; Shop</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Construction of Earthquake resistant buildings by some people</li> <li>• Government took initiative in widening the road</li> <li>• Immediately Rehabilitate the victims</li> <li>• Gained income generation skills</li> <li>• Immediately use local materials</li> <li>• People rush outside shouting and seeking help from neighbors</li> </ul>	<ul style="list-style-type: none"> <li>• Skilled and unskilled person ,Red Cross, Club, Government Agencies, CBOs, Neighbors, Sufficient Manpower for the rescue and relief operation</li> <li>• Space available for evacuation and better available transportation</li> <li>• Available Relief Kits</li> <li>• Physical Materials and food can be purchased nearby Market</li> <li>• Some People having Knowledge of building equipped with earthquake technology</li> <li>• Self-earned money</li> <li>• Support from Ward Office, I/ NGO, club</li> <li>• Many Hospitals, clinic, Health post</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
	Road Accident	<ul style="list-style-type: none"> <li>• 126 People,</li> <li>• Physical- vehicle damaged</li> <li>• Some Infrastructures damaged</li> </ul>	<ul style="list-style-type: none"> <li>• Capable to get treatment from nearby Hospital</li> <li>• Immediate action by traffic police</li> </ul>	<ul style="list-style-type: none"> <li>• Traffic Police</li> <li>• Local CBOs and Club, Government Agencies</li> <li>• Rules &amp; Regulation of Traffic</li> <li>• Widening of Road</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
	Fire	<ul style="list-style-type: none"> <li>• 200 People, 62 Households, Families,</li> <li>• Physical- Schools, 80% water supply, electricity obstruction, 5 Households,</li> <li>• Some Infrastructures- Burnt Houses, Physical Materials, Water source</li> <li>• Burn Infrastructures- Health Building, Market &amp; shops, communication</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Cutting of dried trees and bush</li> <li>• Sufficient money to change old roof with RCC roof</li> <li>• Easy access for Fire brigade</li> <li>• Reduce the use of bio fuel (firewood, thatch etc.) as cooking materials</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• Sufficient Manpower for the rescue and relief operation</li> <li>• Immediate take action and support by Government Agencies, I/NGOs, Local clubs.</li> <li>• Space available for safe shelter during relief operation</li> <li>• Available natural resources- Bamboo, Thatch, Water etc.</li> <li>• Available 5 sets of relief materials</li> <li>• Good communication system</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
Sainbu	Earthquake	<ul style="list-style-type: none"> <li>• People, Families, 60% Household, 1378 Livestock</li> <li>• Physical- 100% Water sources &amp; distribution pipes- Well, 20% Physical Materials, 100 Ropani of Land</li> <li>• Infrastructures- 60% Road, 100% Communication, 60% Health buildings, some 12 School, 100% Markets &amp; Shop</li> <li>• 100% Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Construction of Earthquake resistant buildings by some people</li> <li>• Government took initiative in widening the road</li> <li>• Immediately Rehabilitate the victims</li> <li>• Gained income generation skills</li> <li>• Immediately use local materials</li> <li>• People rush outside shouting and seeking help from neighbors</li> </ul>	<ul style="list-style-type: none"> <li>• Skilled and unskilled person ,Red Cross, Club, Government Agencies, CBOs, Neighbors, Sufficient Manpower for the rescue and relief operation</li> <li>• Space available for evacuation and better available transportation</li> <li>• Available Relief Kits</li> <li>• Physical Materials and food can be purchased nearby Market</li> <li>• Some People having Knowledge of building equipped with earthquake technology</li> <li>• Self-earned money</li> <li>• Support from Ward Office, I/ NGO, club</li> <li>• Many Hospitals, clinic, Health post</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
	Fire	<ul style="list-style-type: none"> <li>• 5000 People</li> <li>• 159 Livestock</li> <li>• 100% Physical- Schools, water supply, electricity obstruction, Some Infrastructures- Burnt Houses, Physical Materials, Water source</li> <li>• Burn Infrastructures- Health Building, Market &amp; shops, communication</li> </ul>	<ul style="list-style-type: none"> <li>• Cutting of dried trees and bush</li> <li>• Sufficient money to change old roof with RCC roof</li> <li>• Easy access for Fire brigade</li> <li>• Reduce the use of bio fuel (firewood, thatch etc.) as cooking materials</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• Sufficient Manpower for the rescue and relief operation</li> <li>• Immediate take action and support by Government Agencies, I/NGOs, Local clubs.</li> <li>• Space available for safe shelter during relief operation</li> <li>• Available natural resources- Bamboo, Thatch, Water etc.</li> <li>• Available 5 sets of relief materials</li> <li>• Good communication system</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
Thiba	Earthquake	<ul style="list-style-type: none"> <li>• People, 60% Household, 50% Livestock</li> <li>• Physical- 80% Water sources</li> </ul>	<ul style="list-style-type: none"> <li>• Construction of Earthquake resistant buildings by some people</li> </ul>	<ul style="list-style-type: none"> <li>• Skilled and unskilled person ,Red Cross, Club, Government Agencies, CBOs, Neighbors, Sufficient Manpower for the</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> </ul>

		<ul style="list-style-type: none"> <li>&amp; distribution pipes- Well, 20% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>• Infrastructures- 60% Road, 90% Communication, 60% Health buildings, some 20% School, 70% Markets &amp; Shop</li> <li>•50% Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Government took initiative in widening the road</li> <li>• Immediately Rehabilitate the victims</li> <li>• Gained income generation skills</li> <li>• Immediately use local materials</li> <li>• People rush outside shouting and seeking help from neighbors</li> </ul>	<ul style="list-style-type: none"> <li>rescue and relief operation</li> <li>• Space available for evacuation and better available transportation</li> <li>• Available Relief Kits</li> <li>• Physical Materials and food can be purchased nearby Market</li> <li>• Some People having Knowledge of building equipped with earthquake technology</li> <li>• Self-earned money</li> <li>• Support from Ward Office, I/ NGO, club</li> <li>• Many Hospitals, clinic, Health post</li> </ul>	<ul style="list-style-type: none"> <li>nal</li> <li>• Attitudinal</li> </ul>
	Road Accident	<ul style="list-style-type: none"> <li>• 115 People , 577 Family</li> <li>• Physical- vehicle damaged</li> <li>• Some Infrastructures damaged</li> </ul>	<ul style="list-style-type: none"> <li>• Capable to get treatment from nearby Hospital</li> <li>• Immediate action by traffic police</li> </ul>	<ul style="list-style-type: none"> <li>• Traffic Police</li> <li>• Local CBOs and Club, Government Agencies</li> <li>• Rules &amp; Regulation of Traffic</li> <li>• Widening of Road</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
Thecho	Earthquake	<ul style="list-style-type: none"> <li>• People, 45% Families, 1100 Household, 50% Livestock</li> <li>• Physical- 80% Water sources &amp; distribution pipes- Well, 20% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>• Infrastructures- 60% Road, 60% Communication, 50% Health buildings, some 10% School, 70% Markets &amp; Shop</li> <li>•50% Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• 6600 Death</li> <li>• 15400 Injury</li> <li>• injured persons Displace</li> <li>• Destruction of House, infrastructures</li> </ul>	<ul style="list-style-type: none"> <li>• Skilled and unskilled person ,Red Cross, Club, Government Agencies, CBOs, Neighbors, Sufficient Manpower for the rescue and relief operation</li> <li>• Space available for evacuation and better available transportation</li> <li>• Available Relief Kits</li> <li>• Physical Materials and food can be purchased nearby Market</li> <li>• Some People having Knowledge of building equipped with earthquake technology</li> <li>• Self-earned money</li> <li>• Support from Ward Office, I/ NGO, club</li> <li>• Many Hospitals, clinic, Health post</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
	Road Accident	<ul style="list-style-type: none"> <li>• People</li> <li>• Physical- vehicle damaged</li> <li>• Some Infrastructures damaged</li> </ul>	<ul style="list-style-type: none"> <li>• Dead</li> <li>• Injury</li> <li>• Damage of Physical Materials</li> </ul>	<ul style="list-style-type: none"> <li>• Traffic Police</li> <li>• Local CBOs and Club, Government Agencies</li> <li>• Rules &amp; Regulation of Traffic</li> <li>• Widening of Road</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
Danchhi	Earthquake	<ul style="list-style-type: none"> <li>• 6375 People, 1100 Families, 40 Livestock</li> <li>Physical- 60% Water sources &amp; distribution pipes- Well, 100% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>• Infrastructures- 100% Road, 100% Communication, 1 Health buildings, some School, 100% Markets &amp; Shop</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Construction of Earthquake resistant buildings by some people</li> <li>• Government took initiative in widening the road</li> <li>• Immediately Rehabilitate the victims</li> <li>• Gained income generation skills</li> <li>• Immediately use local materials</li> <li>• People rush outside shouting and seeking help from neighbors</li> </ul>	<ul style="list-style-type: none"> <li>• Skilled and unskilled person ,Red Cross, Club, Government Agencies, CBOs, Neighbors, Sufficient Manpower for the rescue and relief operation</li> <li>• Space available for evacuation and better available transportation</li> <li>• Available Relief Kits</li> <li>• Physical Materials and food can be purchased nearby Market</li> <li>• Some People having Knowledge of building equipped with earthquake technology</li> <li>• Self-earned money</li> <li>• Support from Ward Office, I/ NGO, club</li> <li>• Many Hospitals, clinic, Health post</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
	Fire	<ul style="list-style-type: none"> <li>• 1195 People, 250 Families,</li> <li>• Some Physical- Schools, water supply, electricity obstruction, Some Infrastructures- Burnt Houses, Physical Materials, Water source</li> <li>• Burn Infrastructures- Health Building, Market &amp; shops, communication</li> <li>• 15% Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Cutting of dried trees and bush</li> <li>• Sufficient money to change old roof with RCC roof</li> <li>• Easy access for Fire brigade</li> <li>• Reduce the use of bio fuel (firewood, thatch etc.) as cooking materials</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• Sufficient Manpower for the rescue and relief operation</li> <li>• Immediate take action and support by Government Agencies, I/NGOs, Local clubs.</li> <li>• Space available for safe shelter during relief operation</li> <li>• Available natural resources- Bamboo, Thatch, Water etc.</li> <li>• Available 5 sets of relief materials</li> <li>• Good communication system</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
	Epidemic	<ul style="list-style-type: none"> <li>• 398 People, 50 Households</li> <li>• Water sources</li> </ul>	<ul style="list-style-type: none"> <li>• Maintain Proper sanitation by some people</li> <li>• Managed water source</li> </ul>	<ul style="list-style-type: none"> <li>• Toilet in every house</li> <li>• Available Water sources</li> <li>• Deep tube well boring, well in most houses</li> </ul>	<ul style="list-style-type: none"> <li>• Human</li> <li>• Physical</li> </ul>

			<ul style="list-style-type: none"> <li>• Still Use of local Sorcerer for the treatment</li> <li>• Use of Toilet properly</li> <li>• Go to Hospital</li> </ul>	<ul style="list-style-type: none"> <li>• Support from Ward Office,</li> <li>• Treatment in Hospital, Health post ,</li> </ul>	<ul style="list-style-type: none"> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
Dharamsthal	Earthquake	<ul style="list-style-type: none"> <li>• People, 60 Livestock</li> <li>• Physical- 100% Water sources &amp; distribution pipes- Well, 100% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>• 100% Infrastructures- 100% Road, 100% Communication, 1 Health buildings, some School, 100% Markets &amp; Shop</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Construction of Earthquake resistant buildings by some people</li> <li>• Government took initiative in widening the road</li> <li>• Immediately Rehabilitate the victims</li> <li>• Gained income generation skills</li> <li>• Immediately use local materials</li> <li>• People rush outside shouting and seeking help from neighbors</li> </ul>	<ul style="list-style-type: none"> <li>• Skilled and unskilled person ,Red Cross, Club, Government Agencies, CBOs, Neighbors, Sufficient Manpower for the rescue and relief operation</li> <li>• Space available for evacuation and better available transportation</li> <li>• Available Relief Kits</li> <li>• Physical Materials and food can be purchased nearby Market</li> <li>• Some People having Knowledge of building equipped with earthquake technology</li> <li>• Self-earned money</li> <li>• Support from Ward Office, I/ NGO, club</li> <li>• Many Hospitals, clinic, Health post</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
	Landslide	<ul style="list-style-type: none"> <li>• People, Livestock</li> <li>• 20% Physical: 56 Ropani agricultural Land, 65 Houses, 20 cattle,</li> <li>• Infrastructures and social assets, Water Tank, bridge</li> </ul>	<ul style="list-style-type: none"> <li>• Evacuation to the safe location,</li> <li>• Established Forest Users Committee</li> <li>• Collect food from neighbor in emergency,</li> <li>• Easy access of Hospital/Health post</li> <li>• Plantation on slope,</li> <li>• Conservation of Water sources</li> <li>• Making Aware the people</li> </ul>	<ul style="list-style-type: none"> <li>• Use neighbor houses, sufficient man power,</li> <li>• Plantation, Bamboo, Sacks</li> <li>• Support from Ward Office, I/ NGO, club</li> <li>• Many Hospitals, clinic, Health post</li> <li>• Evacuation to the safe location</li> </ul>	<ul style="list-style-type: none"> <li>• Physical, Social</li> </ul>
Gongabu	Earthquake	<ul style="list-style-type: none"> <li>• People, 3200 Household,</li> <li>• 60 Livestock</li> <li>• Physical- 100% Water sources &amp; distribution pipes- Well, 100% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>• Infrastructures- 100% Road, 100% Communication, 1 Health buildings, some School, 100% Markets &amp; Shop</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Construction of Earthquake resistant buildings by some people</li> <li>• Government took initiative in widening the road</li> <li>• Immediately Rehabilitate the victims</li> <li>• Gained income generation skills</li> <li>• Immediately use local materials</li> <li>• People rush outside shouting and seeking help from neighbors</li> </ul>	<ul style="list-style-type: none"> <li>• Skilled and unskilled person ,Red Cross, Club, Government Agencies, CBOs, Neighbors, Sufficient Manpower for the rescue and relief operation</li> <li>• Space available for evacuation and better available transportation</li> <li>• Available Relief Kits</li> <li>• Physical Materials and food can be purchased nearby Market</li> <li>• Some People having Knowledge of building equipped with earthquake technology</li> <li>• Self-earned money</li> <li>• Support from Ward Office, I/ NGO, club</li> <li>• Many Hospitals, clinic, Health post</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
	Fire	<ul style="list-style-type: none"> <li>• People, 3200 Household,</li> <li>• 60 Livestock</li> <li>• Physical- 100% Water sources &amp; distribution pipes- Well, 100% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>• Infrastructures- 100% Road, 100% Communication, 1 Health buildings, some School, 100% Markets &amp; Shop</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Cutting of dried trees and bush</li> <li>• Sufficient money to change old roof with RCC roof</li> <li>• Easy access for Fire brigade</li> <li>• Reduce the use of bio fuel (firewood, thatch etc.) as cooking materials</li> </ul>	<ul style="list-style-type: none"> <li>• Sufficient Manpower for the rescue and relief operation</li> <li>• Immediate take action and support by Government Agencies, I/NGOs, Local clubs.</li> <li>• Space available for safe shelter during relief operation</li> <li>• Available natural resources- Bamboo, Thatch, Water etc.</li> <li>• Available 5 sets of relief materials</li> <li>• Good communication system</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
	Road Accident	<ul style="list-style-type: none"> <li>• People, Families, 15 Livestock</li> <li>• Some Physical- Schools, water supply, electricity obstruction, 115 Households</li> <li>• Some Infrastructures- Burnt Houses, Physical Materials, Water source</li> <li>• Burn Infrastructures- Health Building, Market &amp; shops, communication</li> </ul>	<ul style="list-style-type: none"> <li>• Capable to get treatment from nearby Hospital</li> <li>• Immediate action by traffic police</li> </ul>	<ul style="list-style-type: none"> <li>• Traffic Police</li> <li>• Local CBOs and Club, Government Agencies</li> <li>• Rules &amp; Regulation of Traffic</li> <li>• Widening of Road</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>

		<ul style="list-style-type: none"> <li>• 15% Livelihood</li> </ul>			
	Epidemic	<ul style="list-style-type: none"> <li>• People , Family</li> <li>• Physical- vehicle damaged</li> <li>• Some Infrastructures damaged</li> </ul>	<ul style="list-style-type: none"> <li>• Maintain Proper sanitation by some people</li> <li>• Managed water source</li> <li>• Still Use of local Sorcerer for the treatment</li> <li>• Use of Toilet properly</li> <li>• Go to Hospital</li> </ul>	<ul style="list-style-type: none"> <li>• Toilet in every house</li> <li>• Available Water sources</li> <li>• Deep tube well boring, well in most houses</li> <li>• Support from Ward Office,</li> <li>• Treatment in Hospital, Health post ,</li> </ul>	<ul style="list-style-type: none"> <li>• Human</li> <li>• Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
Jorpati	Earthquake	<ul style="list-style-type: none"> <li>• 77934 People, 6735 Household,</li> <li>• 100% Physical- 100% Water sources &amp; distribution pipes- Well, 100% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>• 100% Infrastructures- 100% Road, 100% Communication, 1 Health buildings, some School, 100% Markets &amp; Shop</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Construction of Earthquake Construction of Earthquake resistant buildings by some people</li> <li>• Government took initiative in widening the road</li> <li>• Immediately Rehabilitate the victims</li> <li>• Gained income generation skills</li> <li>• Immediately use local materials</li> <li>• People rush outside shouting and seeking help from neighbors</li> </ul>	<ul style="list-style-type: none"> <li>• Skilled and unskilled person ,Red Cross, Club, Government Agencies, CBOs, Neighbors, Sufficient Manpower for the rescue and relief operation</li> <li>• Space available for evacuation and better available transportation</li> <li>• Available Relief Kits</li> <li>• Physical Materials and food can be purchased nearby Market</li> <li>• Some People having Knowledge of building equipped with earthquake technology</li> <li>• Self-earned money</li> <li>• Support from Ward Office, I/ NGO, club</li> <li>• Many Hospitals, clinic, Health post</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
	Fire	<ul style="list-style-type: none"> <li>• 77934 People, 6735 Household,</li> <li>• 100% Physical- 100% Water sources &amp; distribution pipes- Well, 100% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>• 100% Infrastructures- 100% Road, 100% Communication, 1 Health buildings, some School, 100% Markets &amp; Shop</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Cutting of dried trees and bush</li> <li>• No use of bio fuel in house</li> <li>• Sufficient money to change old roof with RCC roof</li> <li>• Easy access for Fire brigade</li> <li>• Keep distance between houses</li> <li>• Reduce the use of bio fuel (firewood, thatch etc.) as cooking materials</li> </ul>	<ul style="list-style-type: none"> <li>• Sufficient Manpower for the rescue and relief operation</li> <li>• Immediate take action and support by Government Agencies, I/NGOs, Local clubs.</li> <li>• Space available for safe shelter during relief operation</li> <li>• Available natural resources- Bamboo, Thatch, Water etc</li> <li>• Available 5 sets of relief materials</li> <li>• Good communication system</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
	storm	<ul style="list-style-type: none"> <li>• 13744 People,</li> <li>• Some Physical properties- Schools, water supply, electricity, 115 Households</li> <li>• Some Infrastructures- Burnt Houses, Physical Materials, Water source</li> <li>• Burn Infrastructures- Health Building, Market &amp; shops, communication</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Public Awareness</li> <li>• Preparedness for disaster</li> <li>• Constructing strong house</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• Sufficient Manpower</li> <li>• Presence Government Body and CBOs</li> <li>• sufficient ponds, well</li> <li>• Available rescue materials</li> <li>• Access of Transportation</li> </ul>	<ul style="list-style-type: none"> <li>• Human</li> <li>• Physical</li> <li>• Attitudinal</li> <li>• structural</li> <li>• Social</li> </ul>
	Epidemic	<ul style="list-style-type: none"> <li>• People</li> <li>• Physical- Physical Materials, Water sources,</li> <li>• Infrastructures- Communication, Health, School, Markets &amp; Shop</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Maintain Proper sanitation by some people</li> <li>• Managed water source</li> <li>• Still Use of local Sorcerer for the treatment</li> <li>• Use of Toilet properly</li> <li>• Go to Hospital</li> </ul>	<ul style="list-style-type: none"> <li>• Toilet in every house</li> <li>• Available Water sources</li> <li>• Deep tube well boring, well in most houses</li> <li>• Support from Ward Office,</li> <li>• Treatment in Hospital, Health post ,</li> </ul>	<ul style="list-style-type: none"> <li>• Human</li> <li>• Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
Kapan	Earthquake	<ul style="list-style-type: none"> <li>• 000 Families, 60 Livestock</li> <li>• 100% Physical- 100% Water sources &amp; distribution pipes- Well, 100% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>• 100% Infrastructures- 100% Road, 100% Communication, 1 Health buildings, some School, 100% Markets &amp; Shop</li> <li>• Livelihood</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• Construction of Earthquake resistant buildings by some people</li> <li>• Government took initiative in widening the road</li> <li>• Immediately Rehabilitate the victims</li> <li>• Gained income generation skills</li> <li>• Immediately use local materials</li> <li>• People rush outside shouting and seeking help from neighbors</li> </ul>	<ul style="list-style-type: none"> <li>• Skilled and unskilled person ,Red Cross, Club, Government Agencies, CBOs, Neighbors, Sufficient Manpower for the rescue and relief operation</li> <li>• Space available for evacuation and better available transportation</li> <li>• Available Relief Kits</li> <li>• Physical Materials and food can be purchased nearby Market</li> <li>• Some People having Knowledge of building equipped with earthquake technology</li> <li>• Self-earned money</li> <li>• Support from Ward Office, I/ NGO, club</li> <li>• Many Hospitals, clinic, Health post</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>

	Road Accident	<ul style="list-style-type: none"> <li>• 700 People ,</li> <li>• Physical- vehicle damaged</li> <li>• Some Infrastructures damaged</li> </ul>	<ul style="list-style-type: none"> <li>• Capable to get treatment from nearby Hospital</li> <li>• Immediate action by traffic police</li> </ul>	<ul style="list-style-type: none"> <li>• Traffic Police</li> <li>• Local CBOs and Club, Government Agencies</li> <li>• Rules &amp; Regulation of Traffic</li> <li>• Widening of Road</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
	Fire	<ul style="list-style-type: none"> <li>• 1500 People, 10 Families, 20 Livestock</li> <li>• Some Physical- Schools, water supply, electricity obstruction, Households</li> <li>• Some Infrastructures- Burnt some Physical property Houses, Physical Materials, Land, Water source</li> <li>• Burn Infrastructures- Health Building, Market &amp; shops, communication</li> <li>• 15% Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Cutting of dried trees and bush</li> <li>• No use of bio fuel in house</li> <li>• Sufficient money to change old roof with RCC roof</li> <li>• Easy access for Fire brigade</li> <li>• Keep distance between houses</li> <li>• Reduce the use of bio fuel (firewood, thatch etc.) as cooking materials</li> </ul>	<ul style="list-style-type: none"> <li>• Sufficient Manpower for the rescue and relief operation</li> <li>• Immediate take action and support by Government Agencies, I/NGOs, Local clubs.</li> <li>• Space available for safe shelter during relief operation</li> <li>• Available natural resources- Bamboo, Thatch, Water etc</li> <li>• Available 5 sets of relief materials</li> <li>• Good communication system</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
Nikap	Earthquake	<ul style="list-style-type: none"> <li>• 5608 People, 550 Families, 20 Livestock</li> <li>• Physical- 100% Water sources &amp; distribution pipes- Well, 100% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>• Infrastructures- 100% Road, 100% Communication, 1 Health buildings, some School, 100% Markets &amp; Shop</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Rush to the open space and call for help</li> <li>• Construction of Earthquake resistant buildings by some people</li> <li>• Government took initiative in widening the road</li> <li>• Immediately Rehabilitate the victims</li> <li>• Gained income generation skills</li> <li>• Immediately use local materials and rehabilitate the victims</li> </ul>	<ul style="list-style-type: none"> <li>• Skilled and unskilled person ,Red Cross, Club, Government Agencies, CBOs, Neighbors, Sufficient Manpower for the rescue and relief operation</li> <li>• Space available for evacuation and better available transportation</li> <li>• Available Relief Kits</li> <li>• Physical Materials and food can be purchased nearby Market</li> <li>• Some People having Knowledge of building equipped with earthquake technology</li> <li>• Self-earned money</li> <li>• Support from Ward Office, I/ NGO, club</li> <li>• Many Hospitals, clinic, Health post</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
	Fire	<ul style="list-style-type: none"> <li>• 295 People, 20 Livestock</li> <li>• Some Infrastructures- Houses, Physical Materials, 20 Ropani Land, Water source</li> <li>• Burn Infrastructures- Health Building, Market &amp; shops, communication, Schools, water supply, electricity obstruction,</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Cutting of dried trees and bush</li> <li>• No use of bio fuel in house</li> <li>• Sufficient money to change old roof with RCC roof</li> <li>• Easy access for Fire brigade</li> <li>• Keep distance between houses</li> <li>• Reduce the use of bio fuel (firewood, thatch etc.) as cooking materials</li> </ul>	<ul style="list-style-type: none"> <li>• Sufficient Manpower for the rescue and relief operation</li> <li>• Immediate take action and support by Government Agencies, I/NGOs, Local clubs.</li> <li>• Space available for safe shelter during relief operation</li> <li>• Available natural resources- Bamboo, Thatch, Water etc</li> <li>• Available 5 sets of relief materials</li> <li>• Good communication system</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
	Road Accident	<ul style="list-style-type: none"> <li>• People , 20 Families</li> <li>• Physical- vehicle damaged</li> <li>• Some Infrastructures damaged</li> </ul>	<ul style="list-style-type: none"> <li>• Capable to get treatment from nearby Hospital</li> <li>• Immediate action by traffic police</li> </ul>	<ul style="list-style-type: none"> <li>• Traffic Police</li> <li>• Local CBOs and Club, Government Agencies</li> <li>• Rules &amp; Regulation of Traffic</li> <li>• Widening of Road</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
Syuchatar	Earthquake	<ul style="list-style-type: none"> <li>• 12070 People, 1406 Families, 70 Livestock</li> <li>• 100% Physical- 100% Water sources &amp; distribution pipes- Well, 100% Physical Materials, 1/3<sup>rd</sup> Land</li> <li>• 100% Infrastructures- Road, Communication, 1 Health buildings, some School, Markets &amp; Shop</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Construction of Earthquake resistant buildings by some people</li> <li>• Government took initiative in widening the road</li> <li>• Immediately Rehabilitate the victims</li> <li>• Gained income generation skills</li> <li>• Immediately use local materials and rehabilitate the victims</li> </ul>	<ul style="list-style-type: none"> <li>• Skilled and unskilled person ,Red Cross, Club, Government Agencies, CBOs, Neighbors, Sufficient Manpower for the rescue and relief operation</li> <li>• Space available for evacuation and better available transportation</li> <li>• Available Relief Kits</li> <li>• Physical Materials and food can be purchased nearby Market</li> <li>• Some People having Knowledge of building equipped with earthquake technology</li> <li>• Self-earned money</li> <li>• Support from Ward Office, I/ NGO, club</li> <li>• Many Hospitals, clinic, Health post</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>

	Fire	<ul style="list-style-type: none"> <li>• People , 15 Livestock</li> <li>• Some Physical- Schools, water supply, electricity obstruction</li> <li>• Some Infrastructures- Burnt some Physical property Houses, Physical Materials, 20 Ropani Land, Water source</li> <li>• Burn Infrastructures- Health Building, Market &amp; shops, communication</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Cutting of dried trees and bush</li> <li>• No use of bio fuel in house</li> <li>• Sufficient money to change old roof with RCC roof</li> <li>• Easy access for Fire brigade</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• Sufficient Manpower for the rescue and relief operation</li> <li>• Immediate take action and support by Government Agencies, I/NGOs, Local clubs.</li> <li>• Space available for safe shelter during relief operation</li> <li>• Available natural resources- Bamboo, Thatch, Water etc</li> <li>• Available 5 sets of relief materials</li> <li>• Good communication system</li> </ul>	<ul style="list-style-type: none"> <li>• Human</li> <li>• Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
	Landslide	<ul style="list-style-type: none"> <li>• 10 People,</li> <li>• 20% Physical: 100 56Ropani agricultural Land,65 Houses, cattle,</li> <li>• 20% Infrastructures and social assets, Water Tank</li> </ul>	<ul style="list-style-type: none"> <li>• Evacuation to the safe location,</li> <li>• Plantation on slope,</li> <li>• Conservation of Water sources</li> <li>• Making Aware the people</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• Use neighbor houses, man power,</li> <li>• Plantation, Bamboo, Sacks</li> <li>• shouting by top place</li> </ul>	<ul style="list-style-type: none"> <li>• Physical,</li> <li>• Social</li> </ul>
Tokha	Earthquake	<ul style="list-style-type: none"> <li>• 55 People, 20 Livestock</li> <li>• Some Infrastructures- Burnt some Physical property Houses, Physical Materials, Land, Water source</li> <li>• Burn Infrastructures- Health Building, Market &amp; shops, communication, Schools, water supply, electricity obstruction</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Construction of Earthquake resistant buildings by some people</li> <li>• Government took initiative in widening the road</li> <li>• Immediately Rehabilitate the victims</li> <li>• Gained income generation skills</li> <li>• Immediately use local materials and rehabilitate the victims</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• Skilled and unskilled person ,Red Cross, Club, Government Agencies, CBOs, Neighbors, Sufficient Manpower for the rescue and relief operation</li> <li>• Space available for evacuation and better available transportation</li> <li>• Available Relief Kits</li> <li>• Physical Materials and food can be purchased nearby Market</li> <li>• Some People having Knowledge of building equipped with earthquake technology</li> <li>• Self-earned money</li> <li>• Support from Ward Office, I/ NGO, club</li> <li>• Many Hospitals, clinic, Health post</li> </ul>	<ul style="list-style-type: none"> <li>• Human,</li> <li>• Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
	Fire	<ul style="list-style-type: none"> <li>• People ,</li> <li>• Physical- vehicle damaged</li> <li>• Some Infrastructures damaged</li> </ul>	<ul style="list-style-type: none"> <li>• Cutting of dried trees and bush</li> <li>• No use of bio fuel in house</li> <li>• Sufficient money to change old roof with RCC roof</li> <li>• Easy access for Fire brigade</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• Sufficient Manpower for the rescue and relief operation</li> <li>• Immediate take action and support by Government Agencies, I/NGOs, Local clubs.</li> <li>• Space available for safe shelter during relief operation</li> <li>• Available natural resources- Bamboo, Thatch, Water etc</li> <li>• Available 5 sets of relief materials</li> <li>• Good communication system</li> </ul>	<ul style="list-style-type: none"> <li>• Human</li> <li>• Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
	Road Accident	<ul style="list-style-type: none"> <li>• 55 People, 20 Livestock</li> <li>• Some Infrastructures- Burnt some Physical property Houses, Physical Materials, Land, Water source</li> <li>• Burn Infrastructures- Health Building, Market &amp; shops, communication, Schools, water supply, electricity obstruction</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Capable to get treatment from nearby Hospital</li> <li>• Immediate action by traffic police</li> </ul>	<ul style="list-style-type: none"> <li>• Traffic Police</li> <li>• Local CBOs and Club, Government Agencies</li> <li>• Rules &amp; Regulation of Traffic</li> <li>• Widening of Road</li> </ul>	<ul style="list-style-type: none"> <li>• Human</li> <li>• Physical</li> <li>• Attitudinal</li> <li>• Infrastructures</li> <li>•</li> </ul>
Sudal	Epidemic	<ul style="list-style-type: none"> <li>• People</li> <li>• Livelihood</li> <li>• 80% Water sources, 80% Livestock</li> </ul>	<ul style="list-style-type: none"> <li>• Maintain Proper sanitation by some people</li> <li>• Managed water source</li> <li>• Still Use of local Sorcerer for the treatment</li> <li>• Use of Toilet properly</li> <li>• Go to Hospital</li> </ul>	<ul style="list-style-type: none"> <li>• Toilet in every house</li> <li>• Available Water sources</li> <li>• Deep tube well boring, well in most houses</li> <li>• Support from Ward Office,</li> <li>• Treatment in Hospital, Health post ,</li> </ul>	<ul style="list-style-type: none"> <li>• Human</li> <li>• Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
	Earthquake	<ul style="list-style-type: none"> <li>• 5460 People, 60% Livestock</li> <li>• Physical- 25% Water sources &amp; distribution pipes- Well, 50% Physical Materials,</li> <li>• Infrastructures- 50% Road, 80% Communication, 80%</li> </ul>	<ul style="list-style-type: none"> <li>• Helping attitude of the community members</li> <li>• Escape from inside of House and gather outside</li> </ul>	<ul style="list-style-type: none"> <li>• Red Cross, Club, Government Agencies, CBOs,</li> <li>• Not sufficient manpower for rescue and relief operation</li> <li>• Support from Ward Office</li> </ul>	<ul style="list-style-type: none"> <li>• Human,</li> <li>• Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>



		Health buildings, 80% School, 20% Markets & Shop •Livelihood		<ul style="list-style-type: none"> <li>• Available Some relief Materials</li> <li>• Local resource available, Thatch, bamboo, Wood etc.</li> <li>• Having open space and Forest</li> </ul>	
Jhaukhel	Earthquake	<ul style="list-style-type: none"> <li>•5460 People,</li> <li>•Physical- Water sources &amp; distribution pipes- Well, 15% Physical Materials, Houses, 3</li> <li>• Infrastructures- 30% Road, 60% Communication, 60% Health buildings, 50% School, 55% Markets &amp; Shop</li> <li>•Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Helping attitude of the community members</li> <li>• Escape from inside of House and gather outside</li> </ul>	<ul style="list-style-type: none"> <li>• Red Cross, Club, Government Agencies, CBOs,</li> <li>• Not sufficient manpower for rescue and relief operation</li> <li>• Support from Ward Office</li> <li>• Available Some relief Materials</li> <li>• Local resource available, Thatch, bamboo, Wood etc.</li> <li>• Having open space and Forest</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
	Epidemic	<ul style="list-style-type: none"> <li>• People</li> <li>• Livelihood</li> <li>• Water sources</li> </ul>	<ul style="list-style-type: none"> <li>• Maintain Proper sanitation</li> <li>• Still Use of local Sorcerer for the treatment</li> <li>• Use of Toilet properly</li> <li>• Go to Hospital</li> </ul>	<ul style="list-style-type: none"> <li>• Toilet in every house</li> <li>• Available Water sources</li> <li>• Deep tube well boring, well in most houses</li> <li>• Support from Ward Office,</li> <li>• Treatment in Hospital, Health post , private clinic</li> </ul>	<ul style="list-style-type: none"> <li>• Human</li> <li>• Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
	Fire	<ul style="list-style-type: none"> <li>• 600 People,</li> <li>• Some Physical- Schools, water supply, electricity obstruction, 150 Households</li> <li>• Some Infrastructures- Burnt 3% Physical property -342 Houses, Physical Materials, 1% Land, 4% Livestock, 1% Water source</li> <li>• Burn Infrastructures- 30% Health Building, 30% Market &amp; shops, 35% communication</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Cutting of dried trees and bush</li> <li>• No use of bio fuel in house</li> </ul>	<ul style="list-style-type: none"> <li>• Sufficient Manpower for the rescue and relief operation</li> <li>• Immediate take action and support by Government Agencies, I/NGOs, Local clubs.</li> <li>• Space available for safe shelter during relief operation</li> <li>• Available natural resources- Bamboo, Thatch, Water etc</li> <li>• Available 5 sets of relief materials</li> </ul>	<ul style="list-style-type: none"> <li>• Human</li> <li>• Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
Gundu	Earthquake	<ul style="list-style-type: none"> <li>• 1335 People,</li> <li>• Physical- Water sources &amp; distribution pipes- Well, 15% Physical Materials, Houses, 3</li> <li>• Infrastructures- 80% Road, 80% Communication, Health sub post, 80% School, 90% Markets &amp; Shop</li> <li>• 90% Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Helping attitude of the community members</li> <li>• Escape from inside of House and gather at outside</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• Red Cross, Club, Government Agencies, CBOs,</li> <li>• Not sufficient manpower for rescue and relief operation</li> <li>• Support from Ward Office</li> <li>• Available Some relief Materials</li> <li>• Local resource available, Thatch, bamboo, Wood etc.</li> <li>• Having open space and Forest</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
	Landslide	<ul style="list-style-type: none"> <li>• 1068 People,</li> <li>• 20% Physical: 100 Ropani agricultural Land, 65 Houses, cattle,</li> <li>• 20% Infrastructures and social assets, Water Tank</li> </ul>	<ul style="list-style-type: none"> <li>• Evacuation to the safe location,</li> <li>• Plantation on slope,</li> <li>• Conservation of Water sources</li> <li>• Making Aware the people</li> </ul>	<ul style="list-style-type: none"> <li>• Use neighbor houses, man power,</li> <li>• Plantation, Bamboo, Sacks</li> <li>• shouting by top place</li> </ul>	<ul style="list-style-type: none"> <li>• Physical, Social</li> </ul>
Duwakot	Earthquake	<ul style="list-style-type: none"> <li>• 7978 People, All families</li> <li>• Physical- Water sources &amp; distribution pipes- Well, 15% Physical Materials, 1074 Houses, 3</li> <li>• Infrastructures- 80% Road, 80% Communication, Health sub post, 80% School, 90% Markets &amp; Shop</li> <li>• 50% Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Helping attitude of the community members</li> <li>• Collect the fund to help</li> </ul>	<ul style="list-style-type: none"> <li>• Red Cross, Club, Government Agencies, CBOs,</li> <li>• Not sufficient manpower for rescue and relief operation</li> <li>• Support from Ward Office</li> <li>• Available fund in Rs. 50000.00</li> <li>• Available Some relief Materials</li> <li>• Local resource available, Thatch, bamboo, Wood etc.</li> <li>• Having open space and Forest</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
	Landslide	<ul style="list-style-type: none"> <li>• 2393 People, 3.21 sqm agricultural Land,</li> <li>• Houses, cattle,</li> <li>• 30% Infrastructures and social assets, Water Tank</li> </ul>	<ul style="list-style-type: none"> <li>• Evacuation to the safe location,</li> <li>• Implementing Bio Engineering Works,</li> <li>• Conservation of Water sources</li> <li>• Making Aware the people</li> </ul>	<ul style="list-style-type: none"> <li>• Use neighbor houses, man power,</li> <li>• Plantation, Bamboo, Sacks</li> <li>• shouting by top place</li> </ul>	<ul style="list-style-type: none"> <li>• Physical, Social</li> </ul>

Chittapol	Earthquake	<ul style="list-style-type: none"> <li>• 5197 People,</li> <li>• Physical- Water sources &amp; distribution pipes- Well, Physical Materials, 1074 Houses, Land</li> <li>• Infrastructures- Road, Communication, Health sub post, School, Markets &amp; Shop</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Helping attitude of the community members</li> <li>• Collect the fund to help</li> <li>• Old and weak houses</li> </ul>	<ul style="list-style-type: none"> <li>• Red Cross, Club, Government Agencies, CBOs,</li> <li>• Not sufficient manpower for rescue and relief operation</li> <li>• Support from Ward Office</li> <li>• Local resource available, Thatch, bamboo, Wood etc.</li> <li>• Having open space and Forest</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
	Epidemic	<ul style="list-style-type: none"> <li>• People</li> <li>• Livelihood</li> <li>• Water sources</li> </ul>	<ul style="list-style-type: none"> <li>• Maintain Proper sanitation</li> <li>• Still Use of local Sorcerer for the treatment</li> <li>• Use of Toilet properly</li> <li>• Go to Hospital</li> </ul>	<ul style="list-style-type: none"> <li>• Toilet in every house</li> <li>• Available Water sources</li> <li>• Deep tube well boring, well in most houses</li> <li>• Support from Ward Office,</li> <li>• Treatment in Hospital, Health post</li> </ul>	<ul style="list-style-type: none"> <li>• Human</li> <li>• Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
Balkot	Earthquake	<ul style="list-style-type: none"> <li>• People, families</li> <li>• Physical- Water sources &amp; distribution pipes- Well, Physical Materials, Houses, Land</li> <li>• Infrastructures- Road, Communication, Health sub post, School, Markets &amp; Shop</li> <li>• Livelihood</li> </ul>	<ul style="list-style-type: none"> <li>• Shouting during the earthquake and get help</li> <li>• Rush to the open space</li> <li>• Observe the abnormal behavior of birds and animals</li> <li>• Construction of Earthquake resistant buildings by some people</li> <li>• Government took ignition in widening the road</li> </ul>	<ul style="list-style-type: none"> <li>• Skilled and unskilled person ,Red Cross, Club, Government Agencies, CBOs, Neighbors, Sufficient Manpower for the rescue and relief operation</li> <li>• Support from Ward Office, I/ NGO, club</li> <li>• Many Hospitals, clinic, Health post</li> <li>• Local resource available, Thatch, bamboo, Wood etc.</li> </ul>	<ul style="list-style-type: none"> <li>• Human, Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>
	Epidemic	<ul style="list-style-type: none"> <li>• People</li> <li>• Livelihood</li> <li>• Water sources</li> </ul>	<ul style="list-style-type: none"> <li>• Maintain Proper sanitation</li> <li>• Still Use of local Sorcerer for the treatment</li> <li>• Go to Hospital</li> </ul>	<ul style="list-style-type: none"> <li>• Toilet in every house</li> <li>• Available Water source</li> <li>• Deep tube well boring, well in most houses</li> <li>• Support from Ward Office, I/ NGO, club</li> <li>• Treatment in Hospital, Health post , private clinic</li> </ul>	<ul style="list-style-type: none"> <li>• Human</li> <li>• Physical</li> <li>• Organizational</li> <li>• Attitudinal</li> </ul>

Table5: Seasonal Calender												
VDC/ Ward	Earthquake	Fire	Flood	Epidemics	Landslide	Storm	Thunder bolt	Crops harvesting	Festivals	Cropping Time	Busy Time	Leisure Time
Dhapakhe I	1-2-3-4-5-6-7-8-9-10-11-12	1-12	3-4-5-6	3-4-5	3-4-5-6	1-11-12	1-11-12		6-7		3-4-5-6-7	
Imadol	1-2-3-4-5-6-7-8-9-10-11-12	1-12	3-4-5-6	3-4-5	3-4-5-6	1-11-12	1-11-12		6-7		3-4-5-6-7	
Siddhipur	1-2-3-4-5-6-7-8-9-10-11-12	1-12	3-4-5-6	3-4-5	3-4-5-6	1-11-12	1-11-12		6-7		3-4-5-6-7	
Sainbu	1-2-3-4-5-6-7-8-9-10-11-12	1-12	3-4-5-6	3-4-5	3-4-5-6	1-11-12	1-11-12		6-7		3-4-5-6-7	
Thaiba	1-2-3-4-5-6-7-8-9-10-11-12	1-12	3-4-5-6	3-4-5	3-4-5-6	1-11-12	1-11-12		6-7		3-4-5-6-7	
Thecho	1-2-3-4-5-6-7-8-9-10-11-12	1-12	3-4-5-6	3-4-5	3-4-5-6	1-11-12	1-11-12		6-7		3-4-5-6-7	
Danchhi	1-2-3-4-5-6-7-8-9-10-11-12	1-12	3-4-5-6	3-4-5	3-4-5-6	1-11-12	1-11-12		6-7		3-4-5-6-7	
Dharamstali	1-2-3-4-5-6-7-8-9-10-11-12	1-12	3-4-5-6	3-4-5	3-4-5-6	1-11-12	1-11-12		6-7		3-4-5-6-7	
Gongbu	1-2-3-4-5-6-7-8-9-10-11-12	1-12	3-4-5-6	3-4-5	3-4-5-6	1-11-12	1-11-12		6-7		3-4-5-6-7	
Jorpati	1-2-3-4-5-6-7-8-9-10-11-12	1-12	3-4-5-6	3-4-5	3-4-5-6	1-11-12	1-11-12		6-7		3-4-5-6-7	
Kapan	1-2-3-4-5-6-7-8-9-10-11-12	1-2-12	3-4-5-6	3-4-5	3-4-5-6	1-11-12	1-11-12		6-7		3-4-5-6-7	
Naikap	1-2-3-4-5-6-7-8-9-10-11-12	1-2-12	3-4-5-6	3-4-5	3-4-5-6	1-11-12	1-11-12		6-7		3-4-5-6-7	
Syucharatar	1-2-3-4-5-6-7-8-9-10-11-12	1-12	3-4-5-6	3-4-5	3-4-5-6	1-11-12	1-11-12		6-7		3-4-5-6-7	
Tokha	1-2-3-4-5-6-7-8-9-10-11-12	1-2-12	3-4-5-6	3-4-5	3-4-5-6	1-12			6-7	1-2-3-4-5-6-7-8-9-10-11-12	3-4-5-6-7	
Sudal	1-2-3-4-5-6-7-8-9-10-11-12	1-2	3-4-5	1-2-3-4	3-4-5				1-4-6-7			
Jhaukhel	1-2-3-4-5-6-7-8-9-10-11-12	1-2	3-4	3-4	3-4				6-7	1-2-3-4-5-6-7-8-9	3-4-7-8	
Gundu		1-2	3-4	2-12	3-4				6-7-12		2-3-4-5-6-11	
Duwakot		1-2-11-12	3-4-5		3-4-5					1-2-3-4-5-6-7-8-9-10-11-12	1-2-3-4-5-6-7-8-9-10-11-12	
Chittapol		1-2-11-12	3-4-5	1-2-3-4-5-12	3-4-5						1-2-3-4-5-6-7-8-9-10-11-12	
Balkot	1-2-3-4-5-6-7-8-9-10-11-12										1-2-3-4-5-6-7-8-9-10-11-12	

## Details of Vulnerability and Capacity factor of all community

Human vulnerability	Physical vulnerability	Infrastructure vulnerability
<ul style="list-style-type: none"> <li>• Humans are vulnerable to the major disasters like Earthquake, Fire, Epidemic and Road Accident in Kathmandu Valley causes death, injury and displace.</li> <li>• Age factors and other social dimensions, Children, Women, elder and disable persons are most vulnerable.</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• Unmanaged construction of House</li> <li>• House constructed without earthquake resistant techniques</li> <li>• Some Old and weak houses, weak Foundation, attached House, Dense House</li> <li>• Excess extraction of ground water</li> <li>• Unmanaged old electric wiring, high tension line without Insulation</li> <li>• Turbid water during rainy season</li> <li>• Lack of proper sanitation</li> <li>• Dense Traffic</li> </ul>	<ul style="list-style-type: none"> <li>• Construction of Multistoried buildings</li> <li>• Waste dumping on road, public places, River</li> <li>• Damage of Communication system, Health buildings,</li> <li>• Narrow road width restrict entry of fire brigade, ambulances etc.</li> </ul>
The Human Vulnerability is more if any disaster occurs and needs to reduce to give attention and disaster preparedness.	In community, the physical vulnerability is more needs to reduce the risk.	The geomorphological features of Kathmandu valley is not stable needs modern technology to develop infrastructures.
Human capacity	Physical capacity	infrastructural capacity
<ul style="list-style-type: none"> <li>• Self-earned money from livelihood</li> <li>• Sufficient Manpower for the rescue and relief operation (Community people, students, Teachers, skilled and unskilled manpower, carpenter, CBOs Clubs, Government Agencies)</li> </ul>	<ul style="list-style-type: none"> <li>• Presence of CBO's</li> <li>• Availability of basic needs and services</li> <li>• Coordination with VDC office and Red Cross SC</li> <li>• Space available for evacuation Available Relief Kits</li> <li>• Physical Materials and food can be purchased nearby Market</li> <li>• Space available for safe shelter during relief operation</li> <li>• Available 5 sets of relief materials</li> <li>• Toilet in every house</li> <li>• Available Water sources</li> </ul>	<ul style="list-style-type: none"> <li>• Available many Hospitals, clinic, Health posts</li> <li>• better transportation system, Available Ambulance</li> <li>• Good communication system</li> </ul>
The Human capacity is sufficient to cope the disaster but needs them awareness and trainings.	The social capacity seems strong but still needs to be promoted through suitable mechanism-regular coordination, making access to the basic services and facilities.	The Infrastructural capacity is sufficient to cope the disaster in Kathmandu valley except the Earthquake with great rector scale.
Social vulnerability	Attitudinal vulnerability	Environment vulnerability
<ul style="list-style-type: none"> <li>• Less active social structure and institutions</li> <li>• Government Organizations are not fully equipped with disaster preparedness</li> <li>• Lack of equal participation of men and women in any kind of disaster</li> <li>• Presence of few organization in the community</li> <li>• Traffic Police</li> <li>• Lack of Money in some community.</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of Public awareness and knowledge on disaster reduction</li> <li>• Traditional attitude and lack of knowledge on change</li> <li>• Lack of knowledge of Earthquake proof house</li> <li>• Carelessness handling of LPG gas and ignition materials and their storage</li> <li>• Lack of knowledge &amp; Skill</li> <li>• Negligence in drive and avoiding traffic rules</li> <li>• Rules &amp; Regulation of Traffic</li> </ul>	<ul style="list-style-type: none"> <li>• Lack of proper sanitation</li> <li>• Turbid water during rainy season</li> <li>• Open defecation</li> <li>• Changing of climate cause conjunctivitis</li> <li>• Pollution through Brick kiln</li> </ul>
The community needs to make good coordination among all institutions existing in the community and give preference to all equal participation in any emergency and development works within the community from initial phase.	Needs advocate with government authority, investing strategic awareness actions and to enhance their skill and knowledge.	The community is able reduce some Environment vulnerability factors required awareness and community managed rules & regulation.
Social Capacity	Attitudinal Capacity	Environment Capacity
<ul style="list-style-type: none"> <li>• Skilled and unskilled person ,Red Cross, Club, Government Agencies, CBOs, Neighbors, Sufficient Manpower for the rescue and relief operation</li> <li>• Support from Ward Office, I/ NGO, club</li> <li>• Immediate take action and support by Government Agencies, I/NGOs, Local clubs</li> </ul>	<ul style="list-style-type: none"> <li>• Availability of basic needs and services</li> <li>• Coordination with VDC office and Red Cross SC</li> <li>• Some People having Knowledge of building equipped with earthquake technology</li> </ul>	Available natural resources- Bamboo, Thatch, Water etc
The social capacity is strong with in the community but needs coordination to develop self help capacity.	The attitudinal capacity is however less to address the attitudinal vulnerability	Needs to change the perception of community people.

Table 6 : Stakeholder analysis						
VDC/Ward No.	Name of institution	Focal person	Activities	Coverage	Resource available	Support sector
Chittapol 1	Nava Jyoti Primary School		Education			
3	Deuja Gaun Secondary School	Deepak Khanal	Education			
5	Devi Secondary School	Manjur K.C	Education			
5	Daha Gaun Primary School.	Radhika Adhikari	Education			
6	Mahakal Ratha Primary School	Sharada Karki	Education			
7	Bhagawati Primary School	Ananta Wagley	Education			
8	Balshikhcha Sadan Lower Secondary School		Education			
2	Jorpati Secondary School	Sher Bahadur Dakhudshi	Education			
1	North Point English School	Laxmi Bhakta Khatakho	Education			
1	Global English School	Indra Bahadur Khaitu	Education			
1	Saraswati Pathshala	Ishwar Deuja	Education			
3	Shrijanshil Youth Samaj	Sunita Deuja	Social Activities			
5	Seema Khola Lift Drinking Water Users Committee	Laxmi Bhakta Khatakho	Drinking Water			
5	Mukti Mahila saving and credit Sakosh	Deepak Khanal	Economic			
1	Simal Sakosh		Economic			
1	Nepal Red Cross Sub Branch	Sher Bahadur Dakhudshi	Social			
5	Kamdheni Sakosh		Economic			
4	Pipal Caur Community Forest Users Committee		Forest			
5	Mingali Community Forest		Forest			
9	Thulo gayri Pakha Community Forest		Forest			
8	Jure Thmko Community Forest		Forest			
5	Community Development Fund		Community Development			
3	Chitapole Community Study center		Education			
2	Chittapole Helath Center		Health			
6	Grinage Centre		Silk Production			
5	Graminn Disability Rehabilitation Committee		Rehabilitation			
Duwakot-2	Navasmaran Library	Uttam Ale	Social			
2	NRCS Duwakot Sub Branch	Som Pradhan	Social			
2	Sowasthya Janchetana Samaj	Madhav Pd. neupane	Social			
1	Ganesh Yuva Club	Rohan Khatri	Social			
7	Uchha Sikhhar Yuva Club	Binod Thapa	Social			
4	Jagaran Samuha	Bikash Thapa	Social			

2	Shiva Sakti Yuva Club	Sunder Khadka	Social			
6	Pragatishil Yuva Club	Biman Gurung	Social			
1	Samata Sachrtana Samaj	Binod KC	Social			
5	Changu Jhaaukhel Drinking Water	Shiva Hari KC	Drinking Water			
8	Saraswati consrrvation and development commuttee	Kamal bahadur Thapa	Development			
7	Uchha Shikhar Yuva club	Binod Thapa	Social			
1	Sahayatri Sakosh	Krishna Khadka	Social Economical			
1	Traipura Sundari Sakosh	Umesh Madhhikarmi	Social Economical			
2	Faidhoka Ganesh Mahila Jgrity B.S.S.Ltd	MAndira Karki	Social Economical, women empowerment			
2	Miliguli Saving Credit S> ltd	Manisha Karki	Social Economical			
4	Sahara Sakosh	Madan Krishna Neupane	Social Economical			
6	Manohara Sakosh	Ganesh bahadur Shrestha	Social Economical			
5	Surakchha Sakosh	Suraj Neupane	Social Economical			
8	Brihat Sakosh	Umesh Basnet	Social Economical			
8	Basundharamai Sakosh	Sntaman Awal	Social Economical			
5	Gramin Disable Rehabilitation Center	Kali Timilsina	Social Economical			
2	Asta Sakosh	Umesh Pradhan	Social Economical			
2	Jana Nistha Krishi Sahakari sanstha	Naresh Khadka	Social Economical			
5	Paropkar Balgram	Manohar Khnal	Conservation			
1	Orphan Children Rehabilitate Center		Conservation			
1	Drinking Water Users Committee	Umesh Mdhikarmi	Drinking Water			
3	Samajik Ekta Kendra	Kumar Achhami	Social			
1	Forest User Maha sangha		Forest			
2	Namuna Bal Kendra	Bimala Chalise	Children development			

Gundu-4	Gundu Drinking Water Supply and Sanitation Users Committee	Manak Ram Thapa	Drinking Water Supply and Sanitation			
Gundu-7	Kiwachok Drinking Water Supply and Sanitation Users Committee	Krishna Lal	Drinking Water Supply and Sanitation			
3	Ghyampe Danda Yuwa Club	Cheej Bahadur Tamang	Social			
7	Kiwachok Yuwa Club	Kedar Khatiwada	Social			
9	Kosis Yuwa Club	Rajendra Kumar Khatiwada	Social			
4	Shree Krishna Panitanki Yuwa Club	Ram Kumar Faju	Social			
4	Gramin Disability rehabilitation Committee	Urmila Nagarkoti	Social			
Jhaukhel-6	Jhaukhel VDC	Suresh Kumar Kafle	VDC Development			
3	Jhaukhel Subhealth Post	Yam Dharlami	Health			
4	Agriculture Office	Mani Ram Dhawadi	Agriculture			
5	Animal Husbandry Service Office		Animal service			
6	NRCS Jhaukhel Subbranch	Keshav Baniya	Social work			
9	Naulo Bachnalaya	Ukesh Sulu	Economic			
8	Shree Azad Secondary School	Keshav Baniya	Education			
2	Bal Bhusan Lower Secondary School	Rajaram Dhahal	Education			
5	Yapi Bhirav LS School	Shyam Shakha	Education			
9	Ganesh Primary School	Laxman Aganja	Education			
4	Navin English School	Narendara kumar	Education			
5	Ganesh English School	Ram Krishna Pantha	Education			
6	UP Academy	Shree Krishna K.c	Education			
4	Full bright English School	Keshav Sapkota	Education			
6	Deep Jyoti Women Cooperative Sanstha	Sabitri Thapa	Women Empowerment			
Sudol-2	Dhuli Bramhayani Primary School	Mahendra Ghorasaini	Education			
3	Mahendra Gram Higher	Som Mishra	Education	VDC		

	Secondary School					
3	Him Bhanu English School	Mtthu Ram Dhakal	Education	VDC		
4	Shree Krishna Primary School	Krishna Karki	Education	VDC		
5	Shree Sayabangal Primary School	Udhab Khadka	Education	VDC		
5	Deep Joti English School	Bikram Thapa		VDC		
5	Little Jems		Education	VDC		
6	Saraswoti Higher Secondary School	Dwarika Pd. Suwal	Education	VDC		
7	Balmikeshari L.S.School	Praladh Timilsina	Education	VDC		
7	White Rose English School	Surendra Lama	Education	VDC		
8	Kalika L.S. School	Gun Raj Subedi	Education	VDC		
9	Pancha Kanya Secondary School	Santa Ram Dulal	Education	VDC		
Tokha	Bal Premi Sports Mandal	Aashubhai Dangol	Children Development and Sport	VDC		
	Amar Brothers Club	Hardish Shrestha	Young Development	VDC		
	Kalika Yuva Club	Arjun Shrestha	Young Development	VDC		
	Amar English School	Hardish Shrestha	Education	VDC		
	Tokha Krishi sahakari	Bekha Narayan Shrestha	Agriculture Development	VDC		
	MirmireSaving & Credit Cooperative	Shova Lal Shrestha	Economic	VDC		
	Jayapur Multipurpose Cooperative Corporation	Asta Kumar Shrestha	Economic	VDC		
	Shivapuri Multipurpose Cooperative Corporation	Ram Krishna Shrestha	Economic	VDC		
	VDC Tokha	Dilli Jung Chhetri	VDC Development	VDC		
	Hamro Sahara saving & Credit Cooperative Corporation	Rajesh Shrestha	Economic	VDC		
	Niten Memorial School	Gyanendra Karki	Education	VDC		



	Saraswati Higher Secondary School	Sukra Narayan Shrestha	Education	VDC		
	Ganesh English S.School	Kashi Narayan Shrestha	Education	VDC		
	Bindhyabasini High School	Bishnu Ban	Education	VDC		
	Adarsha Mahila Saving & redit Cooperatives	Sunita shrestha	Economy	VDC		
	Health Post	Bhakta B. Manandhar	Health	VDC		
	Didibhahini Women forum	Sushila Shrestha	Women Empowerment	VDC		
	Maobadi Parti	Ramesh Dangol	Political Party	VDC		
	Ymale party Office	Maniraj Dangol	Political Party	VDC		
	Nepali Congress Party Office	Miha Raj Shrestha	Political Party	VDC		
	Ne.MA.KI.MA Party Office	Hari das Shrestha	Political Party	VDC		
	Ra.Pra.Pa. Party Office	Susan Lal Shrestha	Political Party	VDC		
	Bindhyabasini High School	Bishnu Ban	Education	VDC		
Syuchatar	NA			VDC		
Naya Naikap	NA			VDC		
Kapan	NA			VDC		
Jorpati	NA			VDC		
	VDC Office, Gogngbu		VDC Development	VDC	—	
	NRCS Bishnumati Sub Branch	Purna Manandhar	Social	VDC	-	
	Disaster Management Committee		Disaster Reduction	VDC	-	
	Sub Helath Post		Health	VDC	-	
	Dhalmal Sudhar Saamity	<b>Bikash Das</b>	Social	VDC	-	
	Women Volunteer Committee	<b>Jagat Maya Maharjan</b>	Health	VDC	-	
	Sayapatri Tole Sudhar Samity	<b>Bal Chandra Acharya</b>	Development	VDC	-	

	Community Service Committee	<b>Tilak Sunuwar</b>	Development	<b>VDC</b>	-	
	Gongbu Yuva Samaj	<b>Rajan Prajapati</b>	Social	<b>VDC</b>	-	
	National Pising Samiti	<b>Mahendra Prajapati</b>	Social	<b>VDC</b>	-	
	Mahadev Tar Height Bikash Samity	<b>Bhim Pandey</b>	Development	<b>VDC</b>	-	
	Nirmal Batika Tole Sudhar Samity	<b>Ammar Kuwar</b>	Development	<b>VDC</b>	-	
	Santi Milan Marga Tole Sudhar Samity	<b>Uttam Adhikari</b>	Development	<b>VDC</b>	-	
	Gongbu Garhi Gaun Nirman Samity	<b>Bir Chakra Thapa</b>	Development	<b>VDC</b>	-	
	Bishnumati Tole Sudhar Samity	<b>Uma Nidhi Gimire</b>	Development	<b>VDC</b>	-	
	Shittal Nagar Mahila Jagaran	<b>Maya Devi Ghimire</b>	Women Empowerment	<b>VDC</b>	-	
	Gojariyo Karate Dojo	<b>Babu raja Maharjan</b>	sport	<b>VDC</b>	-	
	Shantipath Tole Sudhar Samity	<b>Hari Pd. Pathak</b>	Development	<b>VDC</b>	-	
	Gongbu Newa Punch	<b>Laxmi Narayn Maharjan</b>	Culture Conservation	<b>VDC</b>	-	
	Shrijanshil Tole Sudhar Smity	<b>Rajaram Pudasaini</b>	Development	<b>VDC</b>	-	
				<b>VDC</b>		
<b>Dharmstahli</b>	Mahila Ekal Samuha	Nuhunchhe Maharjan	Women Empowerment	<b>VDC</b>		
	Dharmstahli Yuva Club			<b>VDC</b>		
	Ama Samuha	Sita Guragain	Women Empowerment	<b>VDC</b>		
	Janhit Yuva Club	Bhagendra Basnet		<b>VDC</b>		
6	Dharmasthali Krishi Samuha	Nirmala Baniya	Agriculture	<b>VDC</b>		
	Mirmire Mahila Samaj	Rama Karki	Women Empowerment	<b>VDC</b>		
	Giniz Pabulic School	Ram Krishna Adhikari	Education	<b>VDC</b>		

	Mahila Manch Dharmsthal	Bimala Basnet	Women Empowerment	VDC		
8	Sajhedari Sahakari Dhramasthal	Sushila Basnet	Education	VDC		
	Gram Sew Higher School	Giri Prasad Adhikari	Education	VDC		
	Dhramasthal Pravat Saving and Credit Women Saving Group	Deepa Bhatta	Education	VDC		
	North Valley English School	Sanu babu Bidrakar	Education	VDC		
	Sun Flower English School	Madhu Karki	Education	VDC		
	Giniz Public School	Krishna Adhikari	Education	VDC		
	Mahakali Mai Development and conservation center	Jayanta Bir Singh Basyal	Development	VDC		
	Basnettari Janhit Yuva Club	Bhagendra Basnet	Development	VDC		
	Dharmasthal Milan Center	Deepak Dhital	Education	VDC		
6	Pragatishil Women and Saving Dharmasthal	Sharmila Ghimire	Economic	VDC		
	Prthwi Narayan Higher School	Ram Saran Ghimire	Education	VDC		
	Rudramati Tole Sudhar Samity	Hari Bikram Shah	Development	VDC		
	Dharmasthal Saving and Credit Coopertaive cooperation	Navin Dangol	Economic	VDC		
	VDC Office Danchhi	Dhruva Thapa	Social Service	VDC		
	NRCS Bhadrabas Sub branch	Krishnahari Manandhar	Social Service	VDC		
	Sub Health Post	Dhruva Thapa	Health	VDC		
	Kanti Bhairav Higher Secondary School	Laxman Thapa	Education Service	VDC		
	Alpine Academi	Ananta Dhakal	Education Service	VDC		
	Thali Police Prabhag	Man Bahadur BC	Peace	VDC		
Nawa Baghdhara Yuba Club	Ramesh Kuikel	Social Service	VDC			

Gajurkot Kharanitar Tole sudhar Samity	Ananda Rokka	development	VDC		
Nepal Telecom Indraini branch	Uttam Lal Shrestha	communication	VDC		
Electricity Authority Danchhi Branch	Kedar Nath Shrestha	Electricity service	VDC		
Bramhadeep Yuva Club	Rajesh Thapa	Social Service	VDC		
Nawa Redient Sakosh	Dinesh Pudasaini	Economic	VDC		
Baghdhara Community Forest User Committee	Kedar Kuikel	Forest	VDC		
Accurate Sakosh	Gyanendra Subedi	Economic	VDC		
Chantar LS school	Dhruva Kumar Adhikari	Education	VDC		
Nwa Kanti Bhirav Shakosh	Bhaikaji Adhikari	Economic	VDC		
Danchhi Bhadrabas Water Supply and Sanitation User Committee	Govinda Pokharel	Water Supply	VDC		
Jagathit Sakosh	Jayaram pokharel	Economic	VDC		
ABC Nepal	Shyam Pd Pokharel	Women Empowerment	VDC		
Champak Binayak Primary School	Parwati Pant	Education Service	VDC		
Janasakti Sakosh	Salik Ram Pudasainy	Economic	VDC		
Chail Narayan Primary School	Subhadra Sharma	Education Service	VDC		
Atmeshwor Sakosh	Anandaram Sinkhada	Economic	VDC		
Miniland Higher Secondary School	Maniram Wagle	Education Service	VDC		
Jentex P. Ltd	Navin Puri	Economic	VDC		
Meshko Sakosh	Shiva Devkota	Economic	VDC		
Hindu Vidhyapith Nepal	Raj Kumar Shrestha	Education Service	VDC		
Astha Party Palace	Raju Sinkhada	Social work	VDC		

	Cyber Cable net	Ram Mani Bhattarai	TV show	VDC		
	Cyber Cable net Shakosh	Praladha Pudasaini	Economic	VDC		
	Mount Everest Higher Secondary School	Shiva Devkota	Education Service	VDC		
	Bhdra Milan Shakosh	Murari Pd. Phuyal	Economic	VDC		
	Komalteshwor Shakosh	Kush Shree Neupane	Economic	VDC		
	FirFire Danda Community Forestry User Committee	Sanjaya Pokharel	Forest	VDC		
	Him shikhar Cold Store	Surendra Shrestha	Agriculture	VDC		
Dhapakhel	VDC Office	Bhawani Pd Ghimire	Development work	VDC		
	NRCS Luvu Sub Branch	Dharama Raj Silpkar	Socisl	VDC		
	Disaster Management Committee	Rupak Shrestha	Disater	VDC		
	Primary Health Post	Ram Bahadur Shrestha	Health	VDC		
	Jagaran Pragatisghil Samaj	Sarala Bishunkhe	Social	VDC		
	Diprox Nepal Luvu Branch		Development	VDC		
	Mahila Mancha	Devi Shrestha	Women Empowerment	VDC		
	Freedom Group	Sajan Rajthala	Social	VDC		
	Dapha Mankakhal	Krishna Maharjan	Social	VDC		
	Naya Khadki Samaj	Bekha Narayan Sahi	Social	VDC		
	Community Learning Center	Pawitra Poudel	Education	VDC		
	Animal Husbandary Venter	Bhawani Pd, Ghimire	Animal Health	VDC		
	Agriculture Service Center	Dhrama Raj Silpkar	Agriculture	VDC		
	Shree Govhateshwor elder Society		Social	VDC		
	Hulak Sewa Kendra		Letter	VDC		

	Nepal Telecom Luvu Branch		Telecommunication	VDC		
	Electricity Authority Luvu Branch		Electricity	VDC		
	Luvu Jesis		Social	VDC		
	Womwn Committee (1-0) Wards		Empowerment	VDC		
	Social Empowerment Yuva club		Social	VDC		
	Voice of Children		Children Development	VDC		
	Cooperative corporation		Economy	VDC		
	Dafal yuva Club		Social	VDC		
	Mobile Clinic		Health	VDC		
	Sathi Sanjal		Social	VDC		
Imadol	NA			VDC		
Sainbu	NA			VDC		
Siddhipur	VDC Office			VDC		
	Mahendra Bhrikuti Higher Secondary School			VDC		
	CREPHA			VDC		
	NCCR			VDC		
	RHDPSDC			VDC		
	MSFP			VDC		
Thaiba	NA			VDC		
Thaiba	NA			VDC		

Table 7: livelihood Matrix				
DC/Ward	Livelihood activities	Available resources for livelihood	Hazards that threaten the resources	Way of strengthening livelihood
Dhapakhel	Agriculture	NA	Flood, flooding of top fertile soil, mud swept	NA
	Livestock	NA	Loss of grazing land, Epidemic disease	NA
	Daily wage Labour	NA	Loss of land, No work	NA
	Business	NA	Earthquake, Road obstruct, House, Market damaged	NA
Imadol	Agriculture	NA	Flood, flooding of top fertile soil, mud swept	NA
	Livestock	NA	Loss of grazing land, Epidemic disease	NA
	Daily wage Labour	NA	Loss of land, No work	NA
	Business	NA	Earthquake, Road obstruct, House, Market damaged	NA
Siddhipur	Agriculture	NA	Flood, flooding of top fertile soil, mud swept	NA
	Livestock	NA	Loss of grazing land, Epidemic disease	NA
	Daily wage Labour	NA	Loss of land, No work	NA
	Business	NA	Earthquake, Road obstruct, House, Market damaged	NA
Sanbu	Agriculture	NA	Flood, flooding of top fertile soil, mud swept	NA
	Livestock	NA	Loss of grazing land, Epidemic disease	NA
	Daily wage Labour	NA	Loss of land, No work	NA
	Business	NA	Earthquake, Road obstruct, House, Market damaged	NA
Thaiba	Agriculture	NA	Flood, flooding of top fertile soil, mud swept	NA
	Livestock	NA	Loss of grazing land, Epidemic disease	NA
	Daily wage Labour	NA	Loss of land, No work	NA
	Business	NA	Earthquake, Road obstruct, House, Market damaged	NA
Thechho	Agriculture	NA	Flood, flooding of top fertile soil, mud swept	NA

	Livestock	NA	Loss of grazing land, Epidemic disease	NA
	Daily wage Labour	NA	Loss of land, No work	NA
	Business	NA	Earthquake, Road obstruct, House, Market damaged	NA
Danchhi	Agriculture	NA	Flood, flooding of top fertile soil, mud swept	NA
	Livestock	NA	Loss of grazing land, Epidemic disease	NA
	Daily wage Labour	NA	Loss of land, No work	NA
	Business	NA	Earthquake, Road obstruct, House, Market damaged	NA
Dharamsthal	Agriculture	NA	Flood, flooding of top fertile soil, mud swept	NA
	Livestock	NA	Loss of grazing land, Epidemic disease	NA
	Daily wage Labour	NA	Loss of land, No work	NA
	Business	NA	Earthquake, Road obstruct, House, Market damaged	NA
	Foreign job	NA	No work in time	NA
Gongbu	Agriculture	NA	Flood, flooding of top fertile soil, mud swept	NA
	Livestock	NA	Loss of grazing land, Epidemic disease	NA
	Daily wage Labour	NA	Loss of land, No work	NA
	Business	NA	Earthquake, Road obstruct, House, Market damaged	NA
	Foreign job	NA	No work in time	NA
Jorpati	Agriculture	NA	Flood, flooding of top fertile soil, mud swept	NA
	Livestock	NA	Loss of grazing land, Epidemic disease	NA
	Daily wage Labour	NA	Loss of land, No work	NA
	Business	NA	Earthquake, Road obstruct, House, Market damaged	NA
	Foreign job	NA	No work in time	NA
Kapan	Agriculture	NA	Flood, flooding of top fertile soil, mud swept	NA
	Livestock	NA	Loss of grazing land, Epidemic disease	NA
	Daily wage Labour	NA	Loss of land, No work	NA
	Business	NA	Earthquake, Road obstruct, House, Market damaged	NA
	Foreign job	NA	No work in time	NA
Naikap	Agriculture	NA	Flood, flooding of top fertile soil, mud swept	NA
	Livestock	NA	Loss of grazing land, Epidemic disease	NA
	Daily wage Labour	NA	Loss of land, No work	NA



	Business	NA	Earthquake, Road obstruct, House, Market damaged	NA
	Foreign job	NA	No work in time	NA
Syuchatar	Agriculture	NA	Flood, flooding of top fertile soil, mud swept	NA
	Livestock	NA	Loss of grazing land, Epidemic disease	NA
	Daily wage Labour	NA	Loss of land, No work	NA
	Business	NA	Earthquake, Road obstruct, House, Market damaged	NA
	Foreign job	NA	No work in time	NA
Tokha	Agriculture	NA	Flood, flooding of top fertile soil, mud swept	NA
	Livestock	NA	Loss of grazing land, Epidemic disease	NA
	Daily wage Labour	NA	Loss of land, No work	NA
	Business	NA	Earthquake, Road obstruct, House, Market damaged	NA
	Foreign job	NA	No work in time	NA
Sudal	Agriculture	NA	Infected with Insect, Low Production	NA
	Labour	NA	No land, Migrated to foreign	NA
	Daily wage Labour	NA	No development of Industries, No work	NA
	Carpenter	NA	Load shedding, Lack of wood	NA
	Others	NA		NA
	Business	NA	Strike, No production, Low Income	NA
	Service	NA	No opportunity, Low income	NA
	Foreign job	NA	Not getting professional job, Low income	NA
Jhaukhel	Agriculture	NA	Infected with Insect, Low Production	NA
	Labour	NA	No land, Migrated to foreign	NA
	Daily wage Labour	NA	No development of Industries, No work	NA
	Carpenter	NA	Load shedding, Lack of wood	NA
	Others	NA		NA
	Business	NA	Strike, No production, Low Income	NA
	Service	NA	No opportunity, Low income	NA
	Foreign job	NA	Not getting professional job, Low income	NA
Gundu	Agriculture	NA	No Facility of Irrigation, Low Production	NA
	Labour	NA	No land, Migrated to foreign	NA

	Daily wage Labour	NA	No development of Industries, No work	NA
	Carpenter	NA	Load shedding, Lack of wood	NA
	Others	NA		NA
	Business	NA	No production, Low Income	NA
	Service	NA	No opportunity, Low income	NA
	Foreign job	NA	Not getting professional job, Low income	NA
Duwakot	Agriculture	NA	Flood, Drought, Landslide, crop damaged	NA
	Labour	NA	Drought, No work, crop damaged	NA
	Daily wage Labour	NA	Drought, No work	NA
	Carpenter	NA	Flood, Wood rinse in water	NA
	Others	NA		NA
	Business	NA		NA
	Service	NA		NA
	Foreign job	NA		NA
Chittapole	Agriculture	NA	No production, Low Income	NA
	Labour	NA	No opportunity, Low income	NA
	Daily wage Labour	NA	Not getting professional job, Low income	NA
	Carpenter	NA	Flood, Drought, Landslide, crop damaged	NA
	Others	NA	Drought, No work, crop damaged	NA
	Business	NA	Drought, No work	NA
	Service	NA	Flood, Wood rinse in water	NA
	Foreign job	NA	No production, Low Income	NA
Balkot	Agriculture	NA	No production, Low Income	NA
	Labour	NA	No opportunity, Low income	NA
	Daily wage Labour	NA	Not getting professional job, Low income	NA
	Carpenter	NA	Flood, Drought, Landslide, crop damaged	NA
	Others	NA	Drought, No work, crop damaged	NA
	Business	NA	Drought, No work	NA

**Table 8: Problem and Solution Matrix**

VDC/Ward	Problems	Effects/losses	Way of strengthening livelihood
<b>Dhapakhel</b>	Earthquake	Death, Injury, Displace of people, Demolition of House and infrastructures, Cause Fire,	Construction of Earthquake resistant Houses, , conduct awareness campaign and trainings for Disaster preparedness , Give training on First Aid, Provide Search & Rescue Training to the people , Equipped with rescue materials, Change the traditional belief about Earthquake,
	Fire	Death, Injure, Displace Burnt Physical property - Houses, Physical Materials Burn Infrastructures, livelihood system, environmental degradation	IEC materials exhibition posters and pamphlets, Keep gas cylinder in open space, keep match box at place where children cannot reach, Clear dried bush and tree around the house, Make aware the people , Establish the emergency fund in a community, Manage the electric wire insulated and proper wiring, Keep the distance between the Houses, Keep fire brigade in ward, Construct a pond
	Road Accident	Injury and in most cases Dead, Disability, Damage of Physical properties, Loss of money	Strictly implement the Traffic rules. Manage the traffic. Widen the road width, Construct alternative routes to smooth flow of traffic, Give knowledge and skills to the pedestrian about traffic rules
<b>Imadol</b>	Earthquake	Death, Injury, Displace of people, Demolition of House and infrastructures, Cause Fire,	Construction of Earthquake resistant Houses, , conduct awareness campaign and trainings for Disaster preparedness , Give training on First Aid, Provide Search & Rescue Training to the people , Equipped with rescue materials, Change the traditional belief about Earthquake,
	Fire	Death, Injure, Displace Burnt Physical property - Houses, Physical Materials Burn Infrastructures, livelihood system, environmental degradation	IEC materials exhibition posters and pamphlets, Keep gas cylinder in open space, keep match box at place where children cannot reach, Clear dried bush and tree around the house, Make aware the people , Establish the emergency fund in a community, Manage the electric wire insulated and proper wiring, Keep the distance between the Houses, Keep fire brigade in ward, Construct a pond
	Road Accident	Injury and in most cases Dead, Disability, Damage of Physical properties, Loss of money	Strictly implement the Traffic rules. Manage the traffic. Widen the road width, Construct alternative routes to smooth flow of traffic, Give knowledge and skills to the pedestrian about traffic rules
<b>Siddhipur</b>	Earthquake	Death, Injury, Displace of people, Demolition of House and infrastructures, Cause Fire,	Construction of Earthquake resistant Houses, , conduct awareness campaign and trainings for Disaster preparedness , Give training on First Aid, Provide Search & Rescue Training to the people , Equipped with rescue materials, Change the traditional belief about Earthquake,
	Road Accident	Injury and in most cases Dead, Disability, Damage of Physical properties, Loss of money	Strictly implement the Traffic rules. Manage the traffic. Widen the road width, Construct alternative routes to smooth flow of traffic, Give knowledge and skills to the pedestrian about traffic rules
	Fire	Death, Injure, Displace Burnt Physical property - Houses, Physical Materials Burn Infrastructures, livelihood system, environmental degradation	IEC materials exhibition posters and pamphlets, Keep gas cylinder in open space, keep match box at place where children cannot reach, Clear dried bush and tree around the house, Make aware the people , Establish the emergency fund in a community, Manage the electric wire insulated and proper wiring, Keep the distance between the Houses, Keep fire brigade in ward, Construct a pond
<b>Sainbu</b>	Earthquake	Death, Injury, Displace of people, Demolition of House and infrastructures, Cause Fire,	Construction of Earthquake resistant Houses, , conduct awareness campaign and trainings for Disaster preparedness , Give training on First Aid, Provide Search & Rescue Training to the people , Equipped with rescue materials, Change the traditional belief about Earthquake,
	Fire	Death, Injure, Displace Burnt Physical property - Houses, Physical Materials	IEC materials exhibition posters and pamphlets, Keep gas cylinder in open space, keep match box at place where children cannot reach, Clear dried bush and tree around the house, Make aware the people , Establish the emergency

		Burn Infrastructures, livelihood system, environmental degradation	fund in a community, Manage the electric wire insulated and proper wiring, Keep the distance between the Houses, Keep fire brigade in ward, Construct a pond
<b>Thaiba</b>	Earthquake	Death, Injury, Displace of people, Demolition of House and infrastructures, Cause Fire,	Construction of Earthquake resistant Houses, , conduct awareness campaign and trainings for Disaster preparedness , Give training on First Aid, Provide Search & Rescue Training to the people , Equipped with rescue materials, Change the traditional belief about Earthquake,
	Road Accident	Injury and in most cases Dead, Disability, Damage of Physical properties, Loss of money	Strictly implement the Traffic rules. Manage the traffic. Widen the road width, Construct alternative routes to smooth flow of traffic, Give knowledge and skills to the pedestrian about traffic rules
<b>Thechho</b>	Earthquake	Death, Injury, Displace of people, Demolition of House and infrastructures, Cause Fire,	Construction of Earthquake resistant Houses, , conduct awareness campaign and trainings for Disaster preparedness , Give training on First Aid, Provide Search & Rescue Training to the people , Equipped with rescue materials, Change the traditional belief about Earthquake,
	Road Accident	Injury and in most cases Dead, Disability, Damage of Physical properties, Loss of money	Strictly implement the Traffic rules. Manage the traffic. Widen the road width, Construct alternative routes to smooth flow of traffic, Give knowledge and skills to the pedestrian about traffic rules
<b>Danchhi</b>	Earthquake	Death, Injury, Displace of people, Demolition of House and infrastructures, Cause Fire,	Construction of Earthquake resistant Houses, , conduct awareness campaign and trainings for Disaster preparedness , Give training on First Aid, Provide Search & Rescue Training to the people , Equipped with rescue materials, Change the traditional belief about Earthquake,
	Fire	Death, Injure, Displace Burnt Physical property - Houses, Physical Materials Burn Infrastructures, livelihood system, environmental degradation	IEC materials exhibition posters and pamphlets, Keep gas cylinder in open space, keep match box at place where children cannot reach, Clear dried bush and tree around the house, Make aware the people , Establish the emergency fund in a community, Manage the electric wire insulated and proper wiring, Keep the distance between the Houses, Keep fire brigade in ward, Construct a pond
	Epidemic	Illness, may cause death, Financial crisis, decrease in livelihood, environment degradation	IEC materials exhibition posters and pamphlets, Keep the water source neat & clean, conduct health awareness campaign and trainings. Give attention in proper sanitation, Give training on First Aid,
<b>Jorpati</b>	Earthquake	Death, Injury, Displace of people, Demolition of House and infrastructures, Cause Fire,	Construction of Earthquake resistant Houses, , conduct awareness campaign and trainings for Disaster preparedness , Give training on First Aid, Provide Search & Rescue Training to the people , Equipped with rescue materials, Change the traditional belief about Earthquake,
	Landslide	Death and injury, losses of property/homeless, damage of forest and livelihood system, environmental degradation and epidemics	Structural and non-structural mitigation measures, public awareness, Search open space for the evacuation; Manage Disaster fund in community, Promote technology Uses local materials.
<b>Jorpati</b>	Earthquake	Death, Injury, Displace of people, Demolition of House and infrastructures, Cause Fire,	Construction of Earthquake resistant Houses, , conduct awareness campaign and trainings for Disaster preparedness , Give training on First Aid, Provide Search & Rescue Training to the people , Equipped with rescue materials, Change the traditional belief about Earthquake,
	Fire	Death, Injure, Displace Burnt Physical property - Houses, Physical Materials Burn Infrastructures, livelihood system, environmental degradation	IEC materials exhibition posters and pamphlets, Keep gas cylinder in open space, keep match box at place where children cannot reach, Clear dried bush and tree around the house, Make aware the people , Establish the emergency fund in a community, Manage the electric wire insulated and proper wiring, Keep the distance between the Houses, Keep fire brigade in ward, Construct a pond
	Storm	Death/ burn/ Displace - People, Livestock Burnt/ Demolish of Physical property -Houses, Physical Materials Fire	IEC materials exhibition posters and pamphlets, , Make aware the people . Give training on First Aid, keep the industry and kiln far from inhabitants, Keep the ignited material out of reach of children, Construct strong House, change the CGI Roof and mud Tile roof with RCC roof
	Epidemic	Illness, may cause death, Financial crisis, decrease in livelihood, environment degradation	IEC materials exhibition posters and pamphlets, Keep the water source neat & clean, conduct health awareness campaign and trainings. Give attention in proper sanitation, Give training on First Aid,
<b>Kapan</b>	Earthquake	Death, Injury, Displace of people, Demolition of House and infrastructures, Cause Fire,	Construction of Earthquake resistant Houses, , conduct awareness campaign and trainings for Disaster preparedness , Give training on First Aid, Provide Search & Rescue Training to the people , Equipped with rescue materials, Change the traditional belief about Earthquake
	Road Accident	Injury and in most cases Dead, Disability, Damage of Physical properties, Loss of	Strictly implement the Traffic rules. Manage the traffic. Widen the road width, Construct alternative routes to smooth flow of traffic, Give knowledge and skills to the pedestrian about traffic rules

		money	
	Fire	Death, Injure, Displace Burnt Physical property - Houses, Physical Materials Burn Infrastructures, livelihood system, environmental degradation	IEC materials exhibition posters and pamphlets, Keep gas cylinder in open space, keep match box at place where children cannot reach, Clear dried bush and tree around the house, Make aware the people, Establish the emergency fund in a community, Manage the electric wire insulated and proper wiring, Keep the distance between the Houses,
<b>Naikap</b>	Earthquake	Death, Injure, Displace of people, Demolition of House and infrastructures, Cause Fire,	Construction of Earthquake resistant Houses, , conduct awareness campaign and trainings for Disaster preparedness , Give training on First Aid, Provide Search & Rescue Training to the people , Equipped with rescue materials, Change the traditional belief about Earthquake
	Fire	Death, Injure, Displace Burnt Physical property - Houses, Physical Materials Burn Infrastructures, livelihood system, environmental degradation	IEC materials exhibition posters and pamphlets, Keep gas cylinder in open space, keep match box at place where children cannot reach, Make aware the people , Make a participation from all stakeholders in any development works, Establish the emergency fund in a community, Manage the electric wire insulated and proper wiring
	Road Accident	Injury and in most cases Dead, Disability, Damage of Physical properties, Loss of money	Strictly implement the Traffic rules. Manage the traffic. Widen the road width, Construct alternative routes to smooth flow of traffic, Give knowledge and skills to the pedestrian about traffic rules
<b>Syuchatar</b>	Earthquake	Death, Injure, Displace of people, Demolition of House and infrastructures, Cause Fire,	Construction of Earthquake resistant Houses, , conduct awareness campaign and trainings for Disaster preparedness , Give training on First Aid, Provide Search & Rescue Training to the people , Equipped with rescue materials, Change the traditional belief about Earthquake
	Fire	Death, Injure, Displace Burnt Physical property - Houses, Physical Materials Burn Infrastructures, livelihood system, environmental degradation	IEC materials exhibition posters and pamphlets, Keep gas cylinder in open space, keep match box at place where children cannot reach, Make aware the people , Make a participation from all stakeholders in any development works, Establish the emergency fund in a community, Manage the electric wire insulated and proper wiring, Construct a pond
	Epidemic	Illness, may cause death, Financial crisis, decrease in livelihood, environment degradation	IEC materials exhibition posters and pamphlets, Keep the water source neat & clean, conduct health awareness campaign and trainings. Give attention in proper sanitation, Give training on First Aid,
<b>Tokha</b>	Earthquake	Death, Injure, Displace of people, Demolition of House and infrastructures, Cause Fire,	Construction of Earthquake resistant Houses, conduct awareness campaign and trainings for Disaster preparedness , Give training on First Aid, Provide Search & Rescue Training to the people , Equipped with rescue materials, Change the traditional belief about Earthquake
	Fire	Death, Injure, Displace Burnt Physical property - Houses, Physical Materials Burn Infrastructures, livelihood system, environmental degradation	IEC materials exhibition posters and pamphlets, Keep gas cylinder in open space, keep match box at place where children cannot reach, Make aware the people , Make a participation from all stakeholders in any development works, Establish the emergency fund in a community, Manage the electric wire insulated and proper wiring
	Road Accident	Injury and in most cases Dead, Disability, Damage of Physical properties, Loss of money	Strictly implement the Traffic rules. Manage the traffic. Widen the road width, Construct alternative routes to smooth flow of traffic, Give knowledge and skills to the pedestrian about traffic rules
<b>Sudal</b>	Epidemic	Illness, may cause death, Financial crisis, decrease in livelihood, environment degradation	IEC materials exhibition posters and pamphlets, Keep the water source neat & clean, conduct health awareness campaign and trainings. Give attention in proper sanitation, Give training on First Aid, Construct a pond
	Earthquake	Death, Injure, Displace of people, Demolition of House and infrastructures, Cause Fire,	Construction of Earthquake resistant Houses, , conduct awareness campaign and trainings for Disaster preparedness , Give training on First Aid, Provide Search & Rescue Training to the people , Equipped with rescue materials, Change the traditional belief about Earthquake
<b>Jhaukhel</b>	Earthquake	Death, Injure, Displace of people, Demolition of House and infrastructures, Cause Fire,	Construction of Earthquake resistant Houses, , conduct awareness campaign and trainings for Disaster preparedness , Give training on First Aid, Provide Search & Rescue Training to the people , Equipped with rescue materials, Change the traditional belief about Earthquake
	Epidemic	Illness, may cause death, Financial crisis, decrease in livelihood, environment degradation	IEC materials exhibition posters and pamphlets, Keep the water source neat & clean, conduct health awareness campaign and trainings. Give attention in proper sanitation, Give training on First Aid, Construct a pond

	Fire	Death, Injure, Displace Burnt Physical property - Houses, Physical Materials Burn Infrastructures, livelihood system, environmental degradation	IEC materials exhibition posters and pamphlets, Keep gas cylinder in open space, keep match box at place where children cannot reach, Make aware the people , Make a participation from all stakeholders in any development works, Establish the emergency fund in a community, Manage the electric wire insulated and proper wiring
<b>Gundu</b>	Earthquake	Death, Injury, Displace of people, Demolition of House and infrastructures, Cause Fire,	Construction of Earthquake resistant Houses , conduct awareness campaign and trainings for Disaster preparedness , Give training on First Aid, Provide Search & Rescue Training to the people , Equipped with rescue materials, Change the traditional belief about Earthquake
	Landslide	Death and injury, losses of property/homeless, damage of forest and livelihood system, environmental degradation and epidemics	Structural and non-structural mitigation measures, public awareness ,Search open space for the evacuation, Manage Disaster fund in community
<b>Chittapol</b>	Earthquake	Death, Injury, Displace of people, Demolition of House and infrastructures, Cause Fire,	Construction of Earthquake resistant Houses , conduct awareness campaign and trainings for Disaster preparedness , Give training on First Aid, Provide Search & Rescue Training to the people , Equipped with rescue materials,
	Landslide	Death and injury, losses of property/homeless, damage of forest and livelihood system, environmental degradation and epidemics	Structural and non-structural mitigation measures, public awareness ,Search open space for the evacuation, Manage Disaster fund in community
<b>Chittapol</b>	Earthquake	Death, Injury, Displace of people, Demolition of House and infrastructures, Cause Fire,	Construction of Earthquake resistant Houses , conduct awareness campaign and trainings for Disaster preparedness , Give training on First Aid, Provide Search & Rescue Training to the people , Equipped with rescue materials
	Epidemic	Illness, may cause death, Financial crisis, decrease in livelihood, environment degradation	IEC materials exhibition posters and pamphlets, Keep the water source neat & clean, conduct health awareness campaign and trainings. Give attention in proper sanitation, Give training on First Aid,
<b>Balkot</b>	Earthquake	Death, Injury, Displace of people, Demolition of House and infrastructures, Cause Fire,	Construction of Earthquake resistant Houses, IEC materials exhibition posters and pamphlets, conduct awareness campaign and trainings for Disaster preparedness , Give training on First Aid, Provide Search & Rescue Training to the people ,
	Epidemic	Illness, may cause death, Financial crisis, decrease in livelihood, environment degradation	IEC materials exhibition posters and pamphlets, Keep the water source neat & clean, conduct health awareness campaign and trainings. Give attention in proper sanitation, Give training on First Aid, Place a dumping site far from inhabitants,

**Table: 9 Disaster Ranking Matrix**

Elements	Earthquake	Fire	Landslide	Epidemic	Road Accident	Flood	Storm	Total Score
Earthquake		Earthquake	Earthquake	Earthquake	Earthquake	Earthquake	Earthquake	<b>6</b>
Fire	Earthquake		Fire	Fire	Fire	Fire	Fire	<b>5</b>
Landslide	Earthquake	Fire		Epidemic	Road Accident	Flood	Storm	<b>0</b>
Epidemic	Earthquake	Fire	Epidemic		Road Accident	Epidemic	Epidemic	<b>3</b>

Road Accident	Earthquake	Fire	Road Accident	Road Accident		Road Accident	Road Accident	4
Flood	Earthquake	Fire	Flood	Epidemic	Road Accident		Storm	1
Storm	Earthquake	Fire	Storm	Epidemic	Road Accident	Storm		2

Vulnerability Prioritization in 20 VDCs of Kathmandu Valley						
Earthquake	Fire	Road Accident	Epidemic	Storm	Flood	Landslide
6	5	4	3	2	1	0
High	High	Medium	Medium	Low	Low	Low



# Model of Problem Tree



# Solution Tree



Root cause

