



ANNUAL (JUL 2016-JAN 2017) DISASTER REPORT

District Emergency Operation Center (DEOC), Chautara,
Sindhupalchok

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1. District Emergency Operation Center (EOC)

1. District Profile

Sindhupalchok was coined from the name of Sindhu river and Palchok Bhagwati. This district is surrounded by Dolakha in east, Kathmandu and Nuwakot at west, Ramechhap and Kavre at south, and China at north. It covers 1.37% of total area of the country with 2542 sq. km. area. The district consists of mesmerizing natural beauty rich in biodiversity and Langtang National Park has further proved this. As well as the snow-capped mountains like Jugal (6,535 m asl) himal has added the exquisiteness of the district. Other famous tourist destinations of the district are Bungy jump, Tatopani, Panchpokhari, Bhairab kunda, Surya kunda etc. The presence of Melamchi, Indrawati, Brahmayani and Sunkoshi River has made this district rich in white gold.

There are 68 VDCs and 2 municipalities (Chautara and Melamchi) and 3 electoral regions within the district. Sindhupalchok district is very sensitive district in the context of different natural disasters like flood, landslide, earthquake, thunderstorm, inferno etc.

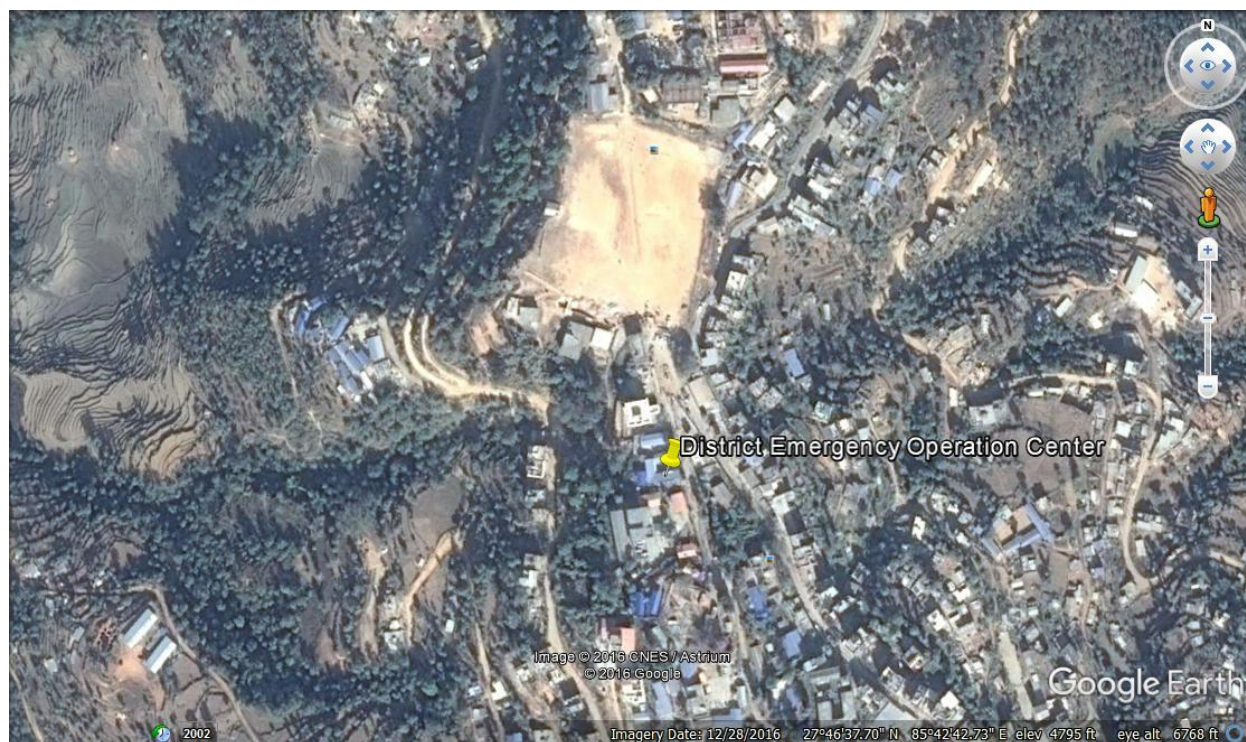


Figure 1: Google map of DEOC, Chautara, Sindhupalchok

The coordinate of DEOC is:

Lat: 27°46'35.95"N

Long: 85°42'43.38"E

2. Incidents

The major incidents of the district in 2073 was mainly water induced disasters like landslide, flood followed by fire and lightning. Bhotekoshi flood was the most disastrous incident of 2073 in Sindhupalchok which swept about hundred houses but no any human loss. The impact of Bhotekoshi flood ranges from Nepal-China Border to Tatopani, Liping, Barhabise, Ramchey VDCs. The landslide triggered flood has also caused damage in the flood plain area. The total loss due to the disaster was NRS. 26232501.

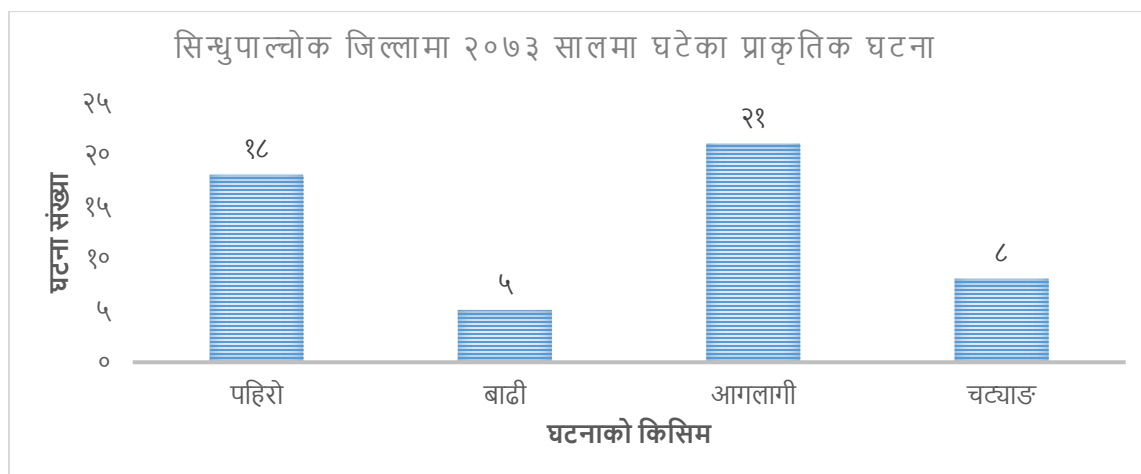


Figure 2: Natural disasters occurrence in Sindhupalchok, 2073

3. Incidents vs occurrence month

The water triggered incidents (flood, landslide) mostly occur during monsoon season but still dry landslide has been observed. The occurrence of flood and landslide is mostly from Jestha (May/June) to

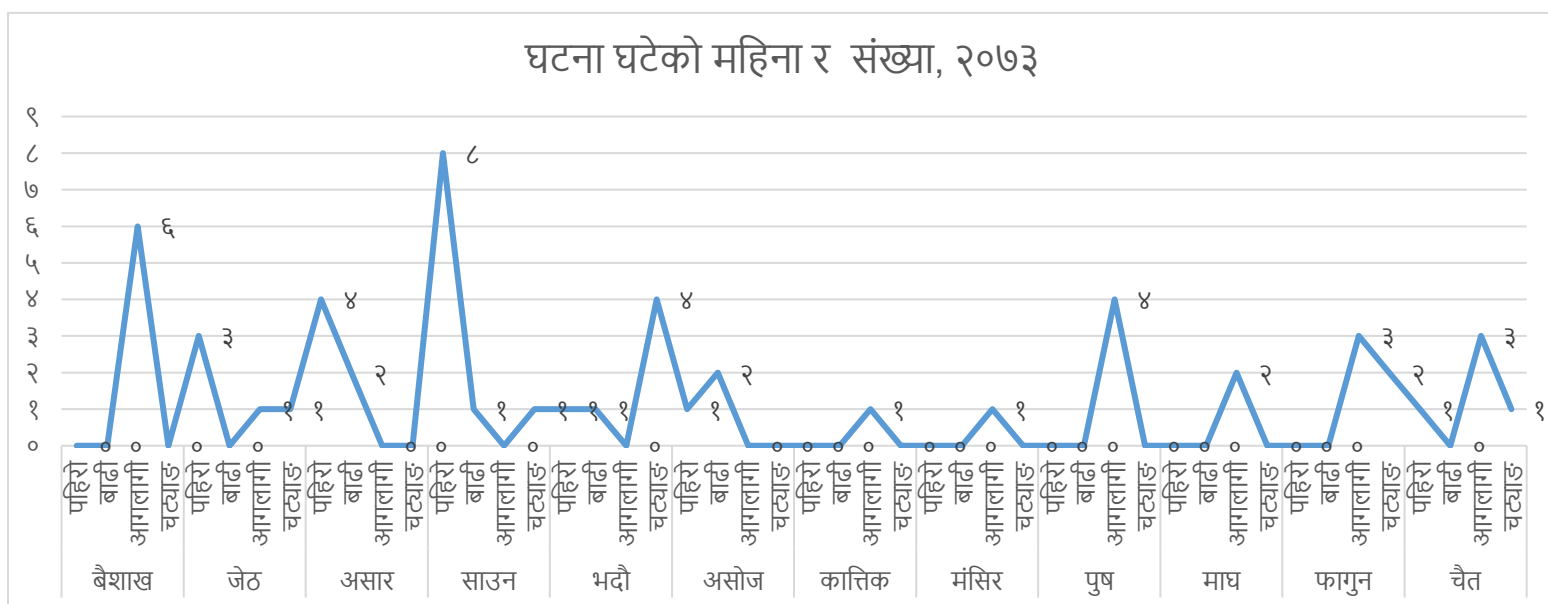


Figure 3: Occurrence of incidents annually

Ashoj (Sep/Oct) whereas fire is mostly observed during dry season (Falgun, Chaitra, Baishakh) and lightning is observed in Bhadra, Falgun and Chaitra.

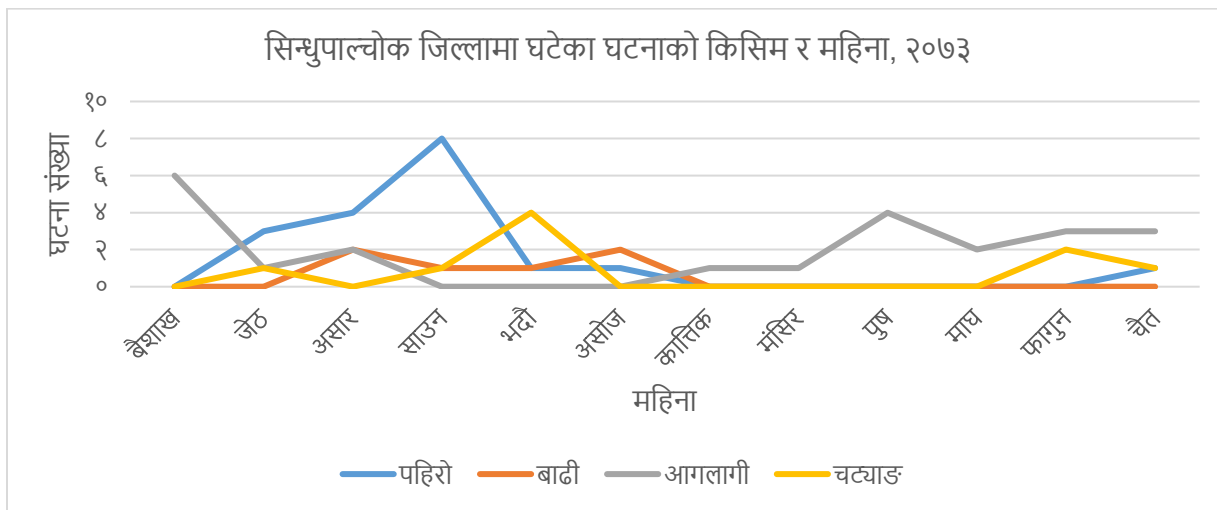


Figure 4: Occurrence of incident per month

4. Occurrence of incidents in each municipality and rural municipality

There are 9 Rural municipality (Gaunpalika) and 3 municipality in Sindhupalchok district. Water induced disaster mostly occurred in Bhotekoshi, Barhabise rural municipality. Bhotekoshi flood damage area covers Bhotekoshi and Barhabise rural municipality. Chautara Sangachokgadi municipality is mostly suffered from fire and lightning. In Jugal rural municipality, occurrence of lightning incidents is high (4 in a year).

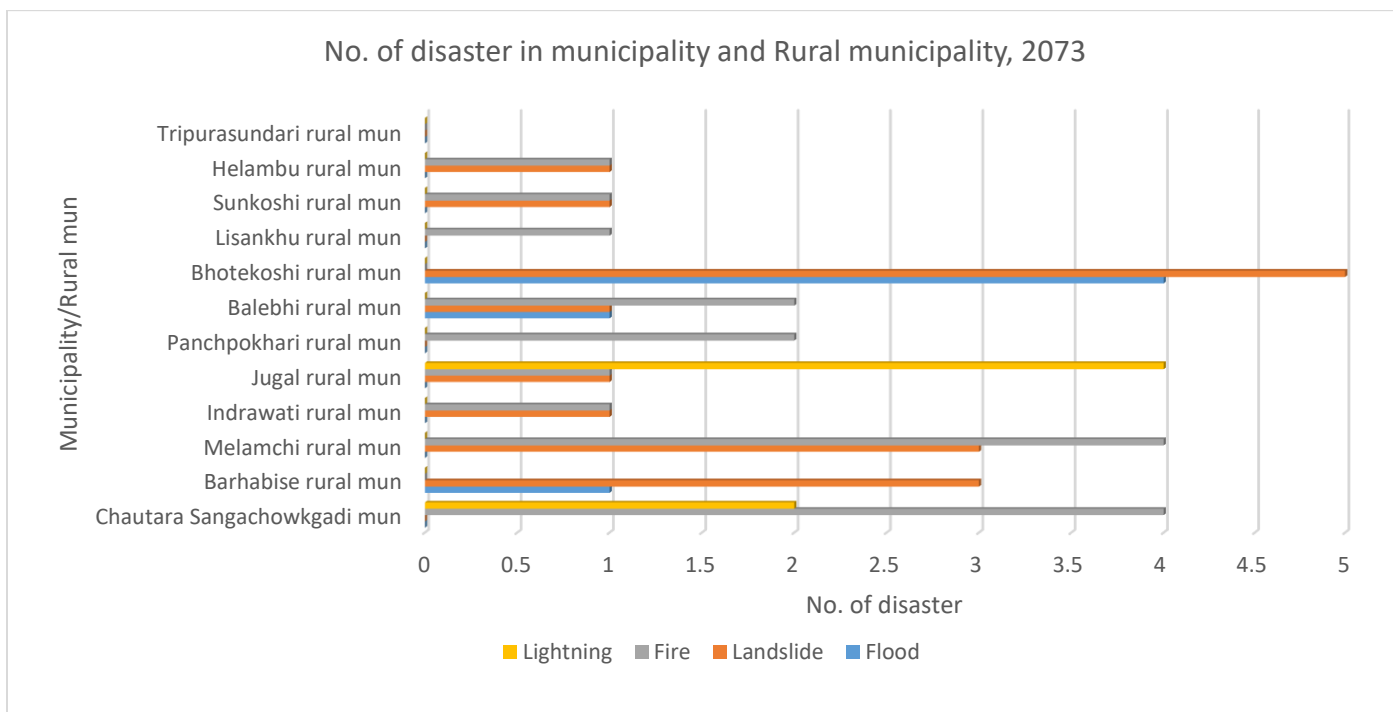


Figure 5: No. of disaster per mun & rural mun

5. Road accidents

The no. of road accident was high in Jestha (April/May) and there wasn't any road accident reported to DEOC on Baishakh, Poush and Magh. In remaining months single or couple of accidents occurred. The graphical representation of the no. of road accidents is showed in Figure 6.

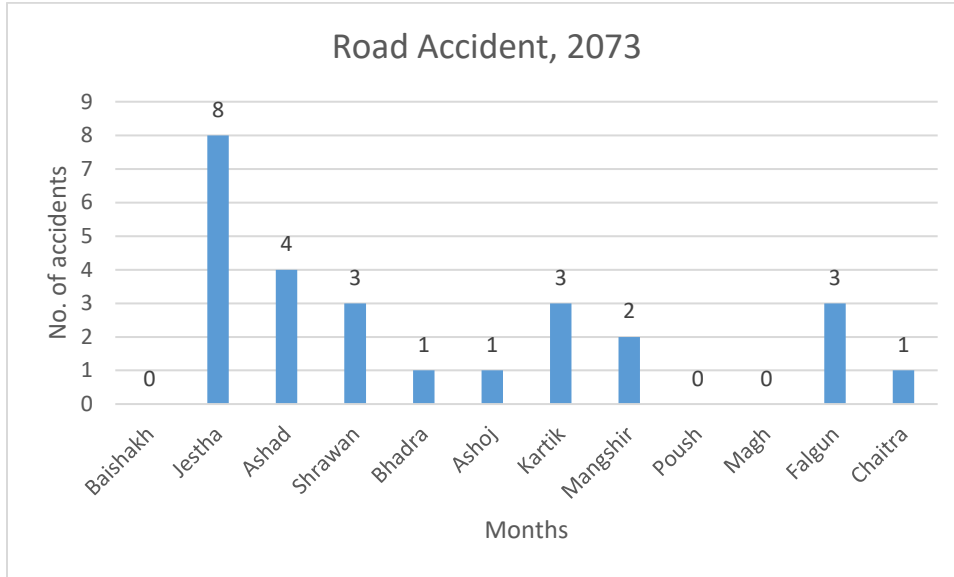


Figure 6: No. of road accidents in 2073

5.1 Death or injured in road accident based on sex

In total 3 people died in different road accident in 2073 where 2 females and 1 male. In case of injury, total 44 cases were reported. 20 females, 24 male and 0 children were injured.

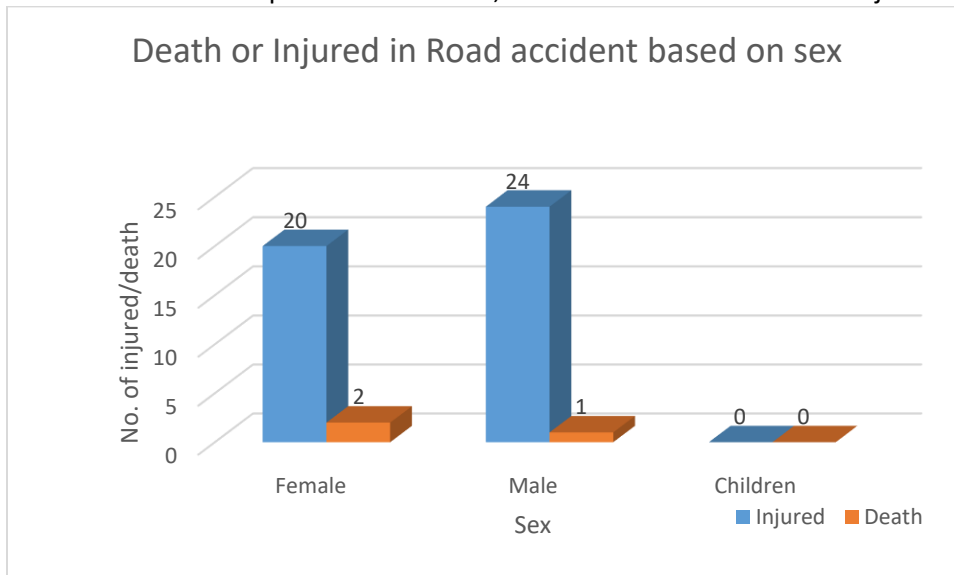


Figure 7: Death or injured in road accident based on sex, 2073

5.2 No. of road accident in respective municipality and rural municipality

The highest no. of road accident occurred in Chautara Sangachok municipality (9) followed by Balephi Rural municipality (5) and then Melamchi municipality (4). There wasn't any road accident reported in Indrawati, Panchpokhari, Bhotekoshi, Sunkoshi, Helambu and Tripurasundari Rural municipality.

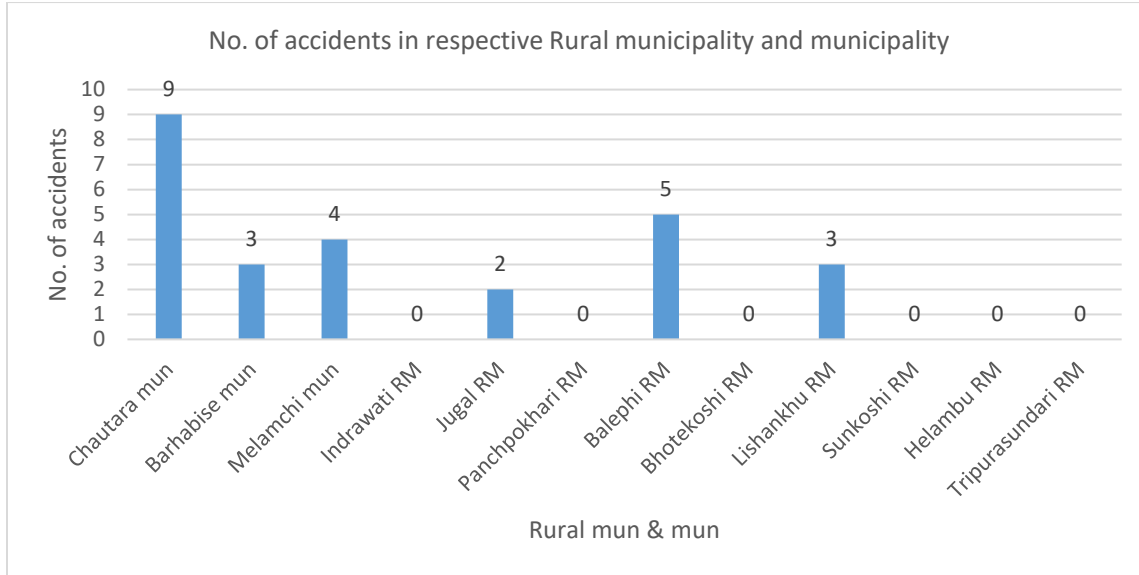


Figure 8: No. of accidents in respective mun and Rural mun

6. Major activities carried out by DEOC

DEOC has been working in close coordination with district level security agencies (NP, APF and army) to collect the disaster related information. The information is circulated to REOC and NEOC at regularly basis. There are total of 5 staff working in DEOC. 2 from APF, 1 from NP working in radio room and rest two are looking after the data collection, analysis and management.

During Bhotekoshi flood, DEOC was active in collecting the information from field 24/7 and providing those data to CDO, REOC and NEOC. The regular update was also provided with continuous contact with different agencies working in the area. DEOC participated in each DDRC meeting and updating the progress from sectoral agencies.

Update of office chief and agencies details, keeping the track of agencies activities (mostly related to Response and Relief), keeping the information required for DPRP, entry of the incidents in drrportal (www.drrportal.gov.np), keeping in track of the water level of major rivers of Bhotekoshi provided in www.hydrology.gov.np. DEOC is also contacting DHM to provide the monsoon weather forecast so that early preparedness can be done to reduce the loss of life and wealth.

DEOC has always been in close coordination with different agencies working in DRR sector at Sindhupalchok to keep the update on LDRMP progress and its formation and implementation. It is also collecting the name of the participants of First Aid and Light Search and Rescue Training so that those human resources can be mobilized during the emergency period. The staff of DEOC has participated in DDRT and gained more knowledge on DRR, EWS, IRA, MIRA. The agencies working in DRR sector are

providing the software and hardware level capacity building activities to DEOC staff like GIS training, orientation on IRA, MIRA etc.

During the Simulation Exercise conducted by DDRC and supported by different agencies, DEOC functioned as the information collection center from the disaster occurred area and all the clusters provided the information to DEOC which was later informed to DDRC.

Besides these the other activities carried out by/at DEOC are:

- Regular contact with REOC and NEOC to provide the daily details of the district;
- Communicating with security forces (NA, NP, APF) and NRCS to keep the details of the disaster related incidents;
- Keeping in track of the people who visited DEOC via record book where their personal details and feedback are included;
- DEOC also has maintained DRR information center where DRR related act, policies, laws, guidelines, framework are kept;
- Detail of NFIs from different government and non-government bodies at district level are kept in record;

Disaster	Incident	Death	Missing	Injured
Avalanche	0	0	0	0
Boat capsize	0	0	0	0
Coldwave	0	0	0	0
Drown	0	0	0	0
Earthquake	0	0	0	0
Epidemic	0	0	0	0
Fire	21	0	0	0
Flood	5	0	0	0
Landslide	18	3	0	7
Heavy rainfall	0	0	0	0
Wind storm	0	0	0	0
snow storm	0	0	0	0
Thunderbolt	8	2	0	7
Asina pani	0	0	0	0
High Altitude	0	0	0	0
Other	0	0	0	0

7. Conclusion and Recommendations

- ✚ Landslide and flood are the major disasters of Sindhupalchok which is mostly observed in every part of the district thereby damaging the infrastructures, public properties, loss of life;
- ✚ The overall loss of property by different disasters is around NRS. 26232501;
- ✚ Chautara Sangachokgadi is prone to road accident where 9 such accidents have been reported;

- ✦ The effect of Gorkha earthquake is still observed in the district where people live in temporary structure;
- ✦ The report of damage caused by wild animal isn't reported in DEOC but still it is major problem in the village;
- ✦ Coordination of DEOC with Cluster lead and co-lead is taking pace for early preparedness and recovery in the district;
- ✦ The coordination with NRCS in gathering the disaster related information and early preparedness has been effective

The way forward for the improvement of DEOC are as follow:

- ✦ Coordination with DHM to collect the weather data of district is going on with the active participation of Acting CDO sir;
- ✦ Collection of LDRMP based on the new structure (municipality and rural municipality) will take place along with the vulnerability maps;
- ✦ Collection of data and information required for DPRP is going on;
- ✦ The inter-linkage of DEOC with EWS and community is necessary for early preparedness and response;
- ✦ Managing the human resource asset required during the emergency;

8. Glimpse of DEOC activities



Figure 9: Images of DEOC activities

Annex A

The total disaster occurred in Sindhupalchok in 2073

सि.नं.	गाविस/नपा	समय र मिति	घटनाको किसिम	मृत्यु	घाइते	प्रभावित परिवार	घर पूर्ण क्षति	घर आंशिक क्षति	गोठ क्षति	पशुपन्छि क्षति	अनुमानित सम्पति क्षति	कैफियत
१	चौतारा नपा-२	२०७३।०१।०८	डढेलो	०	०							जंगलमा आगलागी भएको; ने.से. र ने.प्र. को टोली खटिएको
२	थुमपाखर-७	२०७३।०१।११	डढेलो	०	०							गोल्मे सा.व.; प्र.स.नि. को कमाण्डमा ४ जना खटिएको
३	ईर्खु-३ र ६	२०७३।०१।११	डढेलो	०	०							दियालो र लामीडाँडा जंगल; प्र.स.नी. को कमाण्डमा ४ जना खटिएको
४	मांखा-७	२०७३।०१।१२	विधुत सर्ट भई आगलागी	०	०		१				४,४२,५००।-	
५	मेनपा-३	२०७३।०१।२२	आगलागी	०	०		१			३	१५,००,०००।-	
६	थाडपालकोट-१	२०७३।०१।२२	आगलागी	०	०				१		२५,०००।-	
७	मेलमची-८	२०७३।०२।०१	पहिरो	०	१	०	०	०	०	०	०	
८	स्याउले-१	२०७३।०२।२१	चट्याङ्	१	०	१	०	१	०	०	०	
९	बाह्रबिसे-४	२०७३।०२।२५	पहिरो	०	०	५	५	०	५	४		भैसी-१, बाखा-४
१०	जलविरे-बलेखु सडक खण्ड	२०७३।०२।२८	पहिरो									
११	सुनखानी-९	२०७३।०२।२७	पहिरो	०								
१२	गोल्छे गाविस-२, माप्फा	२०७३।०२।३०	आगलागी	०	०			१				

१३	कदम्बास-७, बलेफी	२०७३।०३।०६	पहिरो									
१४	तातोपानी-४, बाह्रबिसे सडक खण्ड	२०७३।०३।०७	पहिरो									
१५	फुल्पिङ्कोट-१	२०७३।०३।०८	नदी कटान					१२				
१६	तातोपानी-३	२०७३।०३।१२	पहिरो					७				
१७	तातोपानी, लिपिङ्, मार्मिङ्, लिपिङ् क्षेत्र	२०७३।०३।२१ देखि २०७३।०४।२७ सम्म	भोटेकोशीको बाढी र पहिरो	०	०	१०१	१०१		कुखुरा फाराम: १; गोठ: २; ७१५ (अन्दाजी)	१,६७,६७,००१		
१८	तातोपानी-३, तार्तुङ्	२०७३।०४।०४	पहिरो	०	०	११		१				११ घर जोखिम अवस्थामा
१९	महांकाल-८, मराम्छे डाँडा स्थित ग्याल्थुम सुरुङ् जाने कच्ची सडक खण्ड	२०७३।०४।०५	पहिरो	०	३		०	०	०	०		
२०	बराम्चि-२। सल्लाघारी	२०७३।०४।०८	पहिरो	०	०	१३	०	१३				पहिरोले गर्दा युनिक हाईड्रोपावरको पाईप फुट्न गई पानीको बहावको कारण क्षति पुर्याएको
२१	कदमबास-७, बलेफी	२०७३।०४।११	पहिरो	०	०	०	०	०	०	०		
२२	मेलम्चि- नवलपुर कच्चि सडक खण्डको शिखरपुर	२०७३।०४।११	पहिरो	०	०	०	०	०	०	०		
२३	भिमटार गाविसको सिलमटार	२०७३।०४।११	पहिरो	०	१	०	०	०	०	०		

२४	दुवाचौर-८	२०७३।०४।११	घर बगाएको	०	०	२	२	०	१			अन्य ७ वटा घर जोखिममा रहेको
२५	कदमबास-७, बलेफी	२०७३।०४।१४	पहिरो	०	०	०	०	०	०	०		
२६	गोल्छे-३	२०७३।०४।२१	चट्याङ्	०	२	२	०	०	०	०		
२७	दुवाचौर-९, खैरे	२०७३।०४।२४ राति अ. १९:०० बजे	पहिरो	०	०	१	१		०	१८	५,००,०००	
२८	बतासे-२	२०७३।०५।०५; १६:४५	चट्याङ्		१	१	०	०	०	०	०	
२९	पोखरे-५	२०७३।०५।०५; १७:५०	चट्याङ्	०	१	१	०	०	०	०	०	
३०	साँगाचौक-९, नर्सरी	२०७३।०५।१०; राती ३:००	चट्याङ्	०	०	१	०	०	१	३ बाख्रा र १ बाछा मरेको	५०,०००	
३१	तातोपानी-१ र ३	२०७३।०५।१९ र २०	बाढी र कटान	०	०	१२	१२	०	०	०	०	
३२	कदमबास-७, बलेफी	२०७३।०५।२४; २०:३०	पहिरो	०	०	०	०	०	०	०	०	
३३	राम्चे-७, पुरोना गाउँ	२०७३।०६।१५; ०५:३०	पहिरो	३	२	१	१	०	१	४		
३४	तातोपानी-१, नयाँवस्ती	२०७३।०६।१९	बाढी	०	०	७	७	०	०	०		
३५	तातोपानी-१ र ३	२०७३।०६।२०	बाढी	०	०	५	५	०	०	०		
३६	भोटेचौर-५, विचरी सिंह टोल	२०७३।०७।१५; १९:३०	आगलागी	०	०	१	१				७५०००	
३७	पाङ्ताङ-१	२०७३।०८।२५ बेलुका १६:००	आगलागी	०	०	०	०	०	१		४००००	
३८	ठुलोसिरुबारी -६	२०७३।०९।२ दिउसो १२:३०	आगलागी	०	०	१	१	०	०	०	३,७५,०००	
३९	सिमपालकाभ्रे	२०७३।०९।२७:००	आगलागी	०	०	१	०	०	१	३	७०,०००	

४०	जलबिरे	२०७३।०९।०६ बेलुका २०:३०	विधुत सर्ट भई आगलागी	०	०	२	१	०	०	०	७,००,०००
४१	मेलम्ची	२०७३।०९।२१; बिहान १०:१५	आगलागी	०	०	१	१	०	०	०	३,००,०००
४२	भोताङ - ५	२०७३।१०।२२ दिउसो २:०० बजे	आगलागी	०	०	१	१	०	०	०	१८०००००
४३	किउल	२०७३।१०।२७ १३:४५ बजे	विधुत सर्ट भई आगलागी	०	०	१	०	०	१	५७०	७००,०००
४४	मांखा- ६	२०७३।११।११ १३:२०	विधुत सर्ट भई आगलागी	०	०	१	०	१	०	०	४०००००
४५	पेङ्कु-४	२०७३।११।१२ ८:००	विधुत सर्ट भई आगलागी	०	०	१	१	०	०	०	१८८०००
४६	पाङताङ-४	२०७३।११।२७ १८:००	चट्याङ पर्न गई आगलागी	०	०	१	१	०	०	०	१५,००,०००
४७	पाङताङ-५	२०७३।११।२७; १८:००	चट्याङ	०	२	१	०	०	०	०	०
४८	पाङग्रेटार-६	२०७३।११।२८ १९:३०	विधुत सर्ट भई आगलागी	०	०	१	०	०	०	०	१,५०,०००
४९	भोटेकोसी गाउपालिका वडा नं. -२ लिपिङ	२०७३।१२।०५	सुख्खा पहिरो	०	०	३	१	२	०	०	०
५०	वलेफी गाउपालिका वडा नं.-८	२०७३।१२।१३	विधुत सर्ट भई आगलागी	०	०	१	१	०	०	०	६५००००

५१	जुगल गाउँपालिका वडा नं.- ७	२०७३।१२।१९	चट्याङ्	१	१	०	०	०	०	०	०	
५२	मेलम्ची नगरपालिका वडा नं.- १	२०७३।१२।२३	आगलागी	०	०	१	१	०	०	०	०	
५३	चौतारा सागाँचोक नगरपालिका वडा नं.- ५	२०७३।१२।२६	डढेलो	०	०	०	०	०	०	०	०	जंगलमा आगलागी भएको

Annex B

No. of incidents in each municipality and rural municipality

S.N.	Municipality/Rural municipality	Flood	Landslide	Fire	Lightning	Remarks
1	Chautara Sangachowkgadi mun	0	0	4	2	
2	Barhabise rural mun	1	3	0	0	
3	Melamchi rural mun	0	3	4	0	
4	Indrawati rural mun	0	1	1	0	
5	Jugal rural mun	0	1	1	4	
6	Panchpokhari rural mun	0	0	2	0	
7	Balebhi rural mun	1	1	2	0	
8	Bhotekoshi rural mun	4	5	0	0	
9	Lisankhu rural mun	0	0	1	0	
10	Sunkoshi rural mun	0	1	1	0	
11	Helambu rural mun	0	1	1	0	
12	Tripurasundari rural mun	0	0	0	0	

Annex C

No. of incidents per month

S.N.	Month	Landslide	Flood	Fire	Lightning
1	Baishakh	0	0	6	0
2	Jestha	3	0	1	1
3	Ashad	4	2	2	0
4	Shrawan	8	1	0	1
5	Bhadra	1	1	0	4
6	Ashoj	1	2	0	0
7	Kartik	0	0	1	0
8	Mangsir	0	0	1	0
9	Poush	0	0	4	0
10	Magh	0	0	2	0
11	Falgun	0	0	3	2
12	Chaitra	1	0	3	1