

International Day for Disaster Reduction

ISDR Day 2010

Making Cities Resilient: My City is Getting Ready

**Workshop in Celebration of
International Strategy for Disaster Reduction (ISDR) Day**
Making Cities Resilient to Disaster: My City is Getting Ready

27 October 2010
Kathmandu, Nepal

Organized by:
Nepal Geological Society

in association with

 **MITRA KUNJA** and  **Russian Centre for Science and Culture**

Supported by:  **Kathmandu Metropolitan City** and  **Lalitpur Sub-Metropolitan City**

Workshop Report

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Nepal Geological Society

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Supported by: Kathmandu Metropolitan City (KMC) and Lalitpur Sub-Metropolitan City (LSMC)

Kathmandu, Nepal

27 October 2010, Wednesday

ABOUT NEPAL GEOLOGICAL SOCIETY (NGS)

Nepal Geological Society is the professional umbrella of all geologists working in Nepal and has over 600 members among which more than 170 scientists are from foreign countries. The Society was established in 1980 with the aim of developing and promoting the research and application of geological sciences to the national development through fostering high professional standard among members; promoting and protecting the professional interests of earth scientist of the country and to play an active role in the protection and conservation of environment through reducing the natural disaster.

Since its establishment, the Society has been working towards the advancement of geosciences in Nepal and is playing a leading role towards building up consensus among the government and private sectors on the role of geosciences on the national development. The Society is organizing the international as well as national level seminar, workshop and frequent talk programs. The Journal of Nepal Geological Society is the only one scientific journal regularly published from Nepal that incorporates research findings focused to the Himalayan Regions. The bulletin of the Society incorporates the articles that are more focused to the interest of general public.

NGS AND DISASTER RISK REDUCTION ACTIVITIES

The geological disaster (landslide, flood, earthquake) are the major threat to the national development and poverty alleviation in Nepal. Therefore, Nepal Geological Society initiated the advocacy in the area that included awareness campaign through the regular celebration of the International Day for Disaster Reduction (UN/IDNDR) since 1990s, occasional publication of disaster-related booklets etc. Likewise, after the establishment of UN ISDR (United nation International Strategy for Disaster Reduction), the Society has carried its activities in line with the UN/ISDR aims of building disaster resilient communities by promoting increased awareness of the importance of disaster reduction for reducing human, social, economic and environmental losses due to natural hazards and related technological and environmental disasters.

The activities of NGS towards Disaster Prevention was acknowledged by UN Humanitarian and Emergency Relief Co-ordination Office of IDNDR Secretariat in Geneva, by awarding UN-Sasakawa Disaster Prevention Award in 1998 for its efforts in disseminating the scientific knowledge and spreading the awareness of prevention of the natural disaster.

Nepal Geological Society is committed to continue to advocate for disaster risk reduction and mitigation activities in the country. This professional organization is always open to have partnership with other national and international organizations involved in this sector.

THE ISDR DAY 2010

Nepal Geological Society (NGS) is a professional organization that is committed to work towards reducing hazard, vulnerability, and resulting disaster in the country. It has been

working in disaster inventory, preparedness and advocacy since its establishment (last three decades). United Nation (UN) proclaimed the theme to celebrate disaster day 2010-2011 as: *Making Cities Resilient - My City is Getting Ready*. Giving high priority to this theme NGS organized a half day workshop on October 27, 2010 in collaboration with Mitra Kunj and Russian Centre for Science and Culture. The program was supported by Kathmandu Metropolitan City and Lalitpur Sub-Metropolitan City.

The program was organized in the Russian Culture Center hall, Kamal Pokhari, Kathmandu. There was around 130 participation of researchers and policy makers; those working in the disaster sectors in different aspects. The program was inaugurated and addressed by Mr. Ananda Raj Pokharel, Secretary, Government of Nepal/Chief Executive Officer, Kathmandu Metropolitan City. The program was also addressed by Mr. Arjun Kumar Thapa, Chief Executive Officer, Lalitpur Sub-Metropolitan City. There were four thematic presentations, each followed by discussion over the queries of participants. The workshop was divided into two sessions namely Inauguration Session and Technical Session.

INAUGURAL SESSION

With short background on the Disaster Day, **Dr. Dinesh Pathak**, Program Coordinator and General Secretary of NGS conducted the session and the **Chief Guest – Mr. Ananda Raj Pokharel**, Secretary, Government of Nepal, inaugurated the workshop.

Guests sitting on the dais during Inaugural Session. Program conducted by Dr. D. Pathak, Program Coordinator.



Dr. Jaya Kumar Gurung, Convener of the NGS-ISDR Committee delivered welcome speech on behalf of the organizing committee. Dr Gurung welcomed all the guests, resource persons and participants in the workshop. In his welcome speech Dr. Gurung reiterated that Nepal Geological society has long been recognized for research initiatives, regular publication, organization of national/ international seminar workshop and has contributed in development and disaster mitigation endeavors.

Dr. Gurung mentioned that ISDR Day has been observed by NGS since long, specially focusing on interactive workshop and seminar with view to share the knowledge and practices of disaster management and to generate awareness among the stakeholders. In this connection,

the theme given by the UN for this year: Making Cities Resilient: My City Getting Ready, is highly relevant in the context of rapid and haphazard urbanization.

He said that NGS has realized the municipalities as the main stakeholders responsible for the disaster management and has made series of fruitful consultation meeting with municipalities, especially Kathmandu Metropolitan City (KMC) and Lalitpur Sub-Metropolitan City (LSMC) for organizing this workshop. On behalf of the organizing committee, he thanked the KMC and LSMC for their supports through providing technical papers and financial contribution. In addition, he mentioned that the three invited papers from traffic management, solid waste management and ambulance management are equally important issues to be covered for the disaster management. He believed that at the end of the workshop NGS will be able to produce a report with assessment of our present capacity, identifying substantial activities to be done and practical recommendations to the Govt and policy makers.



Dr. J. K. Gurung, Convener of ISDR Day-2010 delivering the welcome speech.

Mr. Bishnu Bahadur Singh, Chairman, Mitra Kunj thanked NGS for continued collaboration on the ISDR Day celebration. He added that the mutual collaboration between the two organizations has helped to share the experiences of the graduates from Russia in earthquake disasters in Russia and the preparedness practices. Mr. Singh informed that Mitrakunj is also acting proactive support for any initiative of any organization in development endeavors. He stressed the need of an active forum in the South Asian Level for disaster mitigation activities.

Mr. Ananda Raj Pokharel, Secretary, Government of Nepal and Chief Executive Officer of Kathmandu Metropolitan City, and Chief Guest of the function said that this year's ISDR Day theme is highly relevant in Nepalese context and also in entire Asia Pacific region. Mr. Pokharel recalled the 1934 and 1988 earthquakes that hit Nepal.

Mr. Pokharel informed that KMC has made an attempt to incorporate the elements necessary for the construction of earthquake resistant buildings. However, the high-rise buildings and other large infrastructures might be vulnerable to earthquake.

Mr. Pokharel said that the open spaces are shrinking every other day and the Kathmandu Metropolitan City has made some arrangements for storing rescue materials in the open spaces. In addition, KMC has been organizing training to the local masonry technician (Rajmistri) each year. However, still there are lots of challenges. KMC have realized that there needs to the strong role of Structural Engineers to make building earthquake proof and therefore KMC is actively working to create the position of structural engineers in municipalities. Mr. Pokharel also added that the building code needs to be implemented by department of urban development and building construction.

KMC is organizing Disaster Drilling very often. A drill was successfully organized last year. He also talked about the other cross-cutting issues like, provision of vehicle for rescue operation, decreasing of forest coverage, solid waste is very critical in Kathmandu Valley etc. KMC is encouraging for tree planting to make the city green. He raised concern that the penalty system for polluters is not being implemented effectively and the limited resources have hampered the implementation of disaster mitigation measures already formulated. Likewise, the possible impact of climate change on the environment need to be considered by the KMC in future planning.



Mr. Ananda Raj Pokharel, Secretary, Government of Nepal and Chief Executive Officer, Kathmandu Metropolitan City, addressing on the function.

Mr. Pokharel expected strong suggestion and recommendation from this workshop to the policy makers and the implementers.

He iterated the commitment of KMC to implement the disaster risk reduction activities involving all the stakeholders.

Mr. Arjun Kumar Thapa, Chief Executive Officer, Lalitpur Sub-Metropolitan City, thanked NGS for invitation in the workshop. He stressed that the issue and efforts being made by LSMC is very similar to that of KMC. Mr. Thapa suggested for discussions also in other issue such as flood disaster.

Mr. Arjun Kumar Thapa, Chief Executive Officer, Lalitpur Sub-Metropolitan City, addressing on the function.



Mr. S. P. Mahato, Director General, Department of Mines and Geology, said that the workshop will be meaningful if the recommendations be implemented. He mentioned that DHM is working since last 30 yrs in the disaster related sector. He informed that DHM has contributed to resolve the issues in Kathmandu Valley by producing maps of engineering and environment geological aspects as well as seismic micro-zonation, which need to update.

Mr. S. P. Mahato, Director General, Department of Mines and Geology delivering his speech in the function.



On behalf of the ISDR Day organizing committee, **Mr. S. R. Sharma** presented the vote of thanks. He thanked the Chief Guest, other guests on the dais, all the participants, collaborative organizations and supporters for their support and participation in the ISDR Day organized by the Nepal Geological Society.

Mr. Jagadishwar Nath Shrestha, Chairman of the session and President of Nepal Geological Society thanked the participants for their presence in spite of their busy schedule. He stressed that Nepal is geologically situated in a zone that is vulnerable to natural disaster. Because of this reason, Nepal Geological Society has been celebrating IDNDR and ISDR Day in cooperation with the concerned government and non-government organization so as to disseminate the information about disaster to the general public. The program was initiated when landslide, flood and earthquakes used to consider as the consequences of the angry god (*Daibi Prakop* in Nepali). Such program was acknowledged by the international award - UN Sasakawa Award to the Society. The Society is still committed to its objective towards disaster risk reduction and have been continuously involved in various related activities.

Mr. Shrestha warned that the more we build up infrastructures, the more we do expect natural disaster to increase. The rapid urban sprawling is the indicative of centralized development that has its own complications. Because of this reason, the theme of this year's is very relevant to the Nepalese context. Therefore, Nepal Geological Society has invited representatives from Kathmandu Metropolitan City, Lalitpur Metropolitan City and Traffic Police to share their experiences and planning to cope with various urban disasters. Such information is expected to reach the general public and other relevant organizations which will be helpful to further design the disaster mitigation activities in urban area. He also requested all participants to actively participate in the discussion.



Mr. J. N. Shrestha, President, Nepal Geological Society addressing on the inaugural session.

President Shrestha gratefully acknowledged the partnership between Nepal Geological Society, Government bodies, local governments as well as Mitra Kunj and Russian Center of Science and Culture.

With the permission of the Chairman of the session, Dr. Dinesh Pathak, Program Coordinator, declared closing of the inauguration session and announced for ten minutes break before the start of technical session.

TECHNICAL SESSION

The technical session was chaired by Mr. Gopal Singh Thapa, First Elected President of the Nepal Geological Society who served at the different institutions of the Government of Nepal as Senior Geologist and at management level for several decades in the past. The rapporteurs were Mr. Khila Nath Dahal (Department of Irrigation) and Mr. Rajendra Khanal (Department of Mines and Geology).

Mr. G.S. Thapa, Chairman of the Technical Session is conducting the session.



Participants' on the Technical Session.



Five thematic papers were presented in the technical session, which is briefly summarized below:

Status of the Disaster Management Functionality and its Implementation for Kathmandu Metropolitan City

Tribhuvan Man Singh Pradhan

Disaster Management and Citizens' Safety Section, Kathmandu Metropolitan City

Mr. Tribhuvan Man Singh Pradhan, Kathmandu Metropolitan City presented the synopsis of disaster management system development and its execution in the Kathmandu Metropolitan City over last decade. Mr. Pradhan said that the Disaster Management Section (DMS) was established in 1998 (2054/55 BS) under the Welfare Department of the Kathmandu Metropolitan City (KMC), which was later changed to Disaster Management and Citizen Safety System in 2006, which work under Urban Development Department.

The Geographical Information System (GIS) based database preparation was initiated in 1998/99 to assess disaster assessment in the first phase in three wards (ward nos. 5, 18 & 20) of the Metropolitan, which was applied to other wards in later phase. With some examples, Mr. Pradhan showed that the project included mainly four elements namely: identification of surface based earthquake vulnerable houses; fire prone area and epidemic prone area; awareness campaign and delineation of open area that is required as part of earthquake reduction and mitigation programs. In addition, the information was disseminated through Web site of KMC, Metro FM/Nepal Mandal and Hamro Kathmandu TV Program, Formation of disaster management committee in ward level, and Disaster Preparedness Training conduct and pre-preparedness of emergency rescue stores in different location of KMC territory.



Mr. T. M. Singh Pradhan, KMC delivering the presentation.

Mr Pradhan highlighted that KMC has been working with different partner organizations (national and international) towards disaster risk reduction and mitigation program, especially in earthquake disaster. It has also been part of City 2 City funding program of Global Fund for Disaster Risk Reduction, funded by WB.

The Sub-Metropolitan city has raised the public awareness level on disaster, strengthened the coordination mechanism among different stakeholders and policy intervention has been started for urban expansion. Mr. Shrestha concluded that still there are lots of challenges like allocation of adequate open spaces and deficiency of the essential services (drinking water supply, waste disposal, health centers), in which his office is focused at present and expect to receive support from individual to the state.

Traffic Management in Cities of Kathmandu Valley: Present Status & Challenges

Basanta Kumar Pant

Kathmandu Metropolitan Traffic Police Division

Mr. B. K. Pant, KMTDP covered the traffic management issues in the Kathmandu Valley resulting from the traffic volume that is increasing day by day where as the expansion of road and other infrastructures have not been developed in the required level. It has caused tremendous pressure on the city roads. He briefly overviewed the developmental history of the Metropolitan Traffic Police Division, starting from Sadar Traffic Police Office in 1955 (2012 BS), to valley traffic police office in 1992 (2049 BS). Once the Metropolitan Police concept was introduced in the Kathmandu Valley in 2006 (2063 BS), it came to the present state.

Mr. Pant discussed the organizational structure that is enforcing the Vehicle and Transportation Management Act, 2049 BS (1992) and regulate smooth flow of traffic in Kathmandu Valley. The challenges and priorities of this Division constitute smooth and unhindered movement of traffic, reduction in accidents and casualties and create traffic awareness among road users and the community,

Prevention and reduction of road traffic accidents, effective enforcement of traffic rules and regulations, develop the sense of discipline amongst road users and educate the public including school children on road safety, ensure smooth and secure traffic movement for special occasions, VVIP and VIPs' movement, enhance the skill of traffic police, assist and advice various stakeholders in coordinated development of infrastructure for smooth and safe flow of traffic are the main objectives of traffic management. The vision set is: Safe and smooth flow of traffic in Kathmandu Valley. The mission set to achieve the vision is: effective and efficient traffic management and promotion of road traffic safety.



Mr. B. K. Pant, DSP, KMTDP, presenting the Traffic Management in Kathmandu Valley.

Traffic management during the disaster in the valley, especially during an earthquake, needs sound coordination of different stakeholders such as fire brigade, hospitals, drinking water etc. The major activities required for the disaster preparedness are precise information, identification of safe zone/affected areas and co-ordination with the related agencies.

Initiatives of Lalitpur Sub-Metropolitan City Office for Earthquake Disaster Risk Reduction

Prabin Shrestha

Lalitpur Sub-Metropolitan City

Mr. Prabin Shrestha, on behalf of the Lalitpur Sub-Metropolitan City, presented a paper on the initiation towards earthquake disaster risk reduction. He discussed about the implementation of National Building Code (NBC) in Building Permit Process and other DRR related activities of the City.

Mr. Shrestha highlighted that the main goal of the Sub-Metropolitan City Office is to develop the city as an earthquake safe city to live in. In this regards, he explained the various activities carried out since last eight years to meet this objective. Implementation of National Building Code was one of such important actions followed by demonstrative trainings, orientations and awareness programs with the support from various organizations.

Mr. Shrestha discussed the various initiatives undertaken by LSMC in the field of earthquake disaster risk reduction in the city area.

Solid Waste Management and Disaster

Nahendra Pradhan

SASCON Pvt. Ltd.

Mr. Nahendra Pradhan presented how an effective solid waste management activities can help to reduce disaster, especially health disaster. This is especially of prime concern of the metropolitan areas where large population resides and huge volumes of waste are produced creating challenges for its effective management. Though solid waste management is a never-ending problem in the urban area, it is necessary to make the people aware on value and impact of wastes. Mr. Pradhan discussed about the issues of Okharpauwa landfill site project. He concluded that there is need to work together with the local community surrounding the dumping site for smooth operation of the system.

Further, he added that the provision of management of solid waste generated during the disastrous event (e.g. earthquake) is vital to ensure the smooth functioning of life lines during the post disaster phase. Planning can help a community identify its debris collection, recycling, and disposal options. Although the recovery process will take a long time, perhaps even years, careful planning will prevent costly mistakes, speed recovery, and avoid creation of more waste.

Ambulance Service in Nepal

Mahesh Nakarmi

Mr. Mahesh Nakarmi started his presentation through the existing ambulance services in Nepal. He showed some of the painstaking photographs in which the patients/injured persons are being inappropriately handled and the lack of minimum facilities in our ambulances. He mentioned that there is neither primary medical facilities available within the ambulance neither a medical staff is present.

Mr. Nakarmi informed that he is working towards providing a well equipped ambulance services within the Kathmandu valley that would help to save lives of the people who need immediate medical treatment. Likewise, he also highlighted on the need of proper management of medical wastes generated from the hospitals and nursing homes.

WRAP UP SESSION

After the presentations, an intensive discussion took place among the presenters and audience about the different aspects of the presentations and disaster and mitigation in general. Various queries from the audiences were answered by the presentations. After the discussions a list of general inferences and recommendations were drawn and passed by the workshop.

Session Chairman Mr. G.S. Thapa wrapped up the session summarizing the essences of each four papers categorically. Mr. Thapa expressed that he himself learnt many things from the presentations and discussions about the disaster management initiatives taken by the municipalities are praiseworthy and expressed his concern towards effective implementation of the rules and regulations.

Mr. Thapa lauded the hard working of Valley Traffic Police in spite of insufficient manpower, lack of traffic lights/signals, bad road condition, insufficient road network, negligence of drivers and poor understanding and negligence of the situation by the concerned government authorities.

Finally, Mr Thapa concluded that the workshop is a success as it could extract the substantial outcomes over the announced theme "Resilient Cities" from the disaster point of view. Thanking to the organizing committee and the Nepal Geological Society, and all resource persons and participants, he ended the technical session.

With the permission of Chairman, Dr. Pathak, General Secretary of the Society, thanked all the experts, professionals and participants for their presence and announced the closing of the half day workshop.

GENERAL INFERENCES AND RECOMMENDATIONS

- Appropriate disaster management activities should be carried out. The rules and regulation required for effective implementation of disaster management activities should be strictly imposed.
- Such activities should foresee the future population and allocate adequate provision in view of urban sprawling.
- Government should improve the road condition and construct link roads, install traffic lights, educate people and punish to those disobeying the traffic rules. It is necessary for effective management of the traffic in urban areas like Kathmandu.
- The bridges, overhead bridges and narrow roads should be rehabilitated so that the roads can function in case of major disaster within the valley.
- A good coordination mechanism should be established for appropriate pre-disaster , disaster and post-disaster management. It is necessary to ensure smooth functioning of these bodies as and when necessary.

OUTCOME

- National status & strategy concerning the disaster management in urban area, especially in the Kathmandu Metropolitan and Lalitpur Sub-Metropolitan Cities were known to experts, professionals and policy makers who participated in the workshop
- This workshop helped to strengthen better networking among the different actors functioning in the disaster management such as traffic police, urban planners, engineers, medical practitioner etc.
- Pragmatic recommendations related to urban disaster risk reduction to concern entities and individual working in the disaster management have come out from the discussion.

ACKNOWLEDGEMENT

Nepal Geological Society would like to express many thanks to Dr. J. K. Gurung, Convener and the members of ISDR Day organizing Committee for their active role in the organization of the workshop. The role of Kathmandu Metropolitan City and Lalitpur Sub-Metropolitan City in the organization of this half day workshop is praiseworthy.

CONTACT FOR FURTHER INFORMATION

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International Strategy for Disaster Reduction, ISDR Day 2010**Making Cities Resilient : My City is Getting Ready***Workshop organized by:***Nepal Geological Society***in association with***Mitra Kunj and Russian Centre of Science and Culture****Supported by: Kathmandu Metropolitan City (KMC) and Lalitpur Sub-Metropolitan City (LSMC)****Date** : October 27, 2010, Wednesday**Venue** : Russian Centre of Science & Culture, Kamalpokhari**PROGRAM**

Time	Activities
08:30 - 09:00	Registration of Participants
Inauguration Session: Chairman Mr. J. N. Shrestha, President, NGS	
09:00 - 09:10	Chairing of Session
09:10 - 09:20	Welcome Speech by Dr. J.K. Gurung, Convener, ISDR Day 2010 Organizing Committee
09:20 - 09:25	Workshop Inauguration by Chief Guest, Mr. A. R. Pokharel, Secretary, Government of Nepal/Executive Officer, Kathmandu Metropolitan City
09:25 - 09:30	Speech by Mr. Bishnu Bdr. Singh, President, Mitra Kunj
09:30 - 09:35	Speech by Arseny Starkov, Russian Centre for Science and Culture
09:35 - 09:45	Speech by Chief Guest
09:45 - 09:50	Speech by Mr. Arjun Kumar Thapa, Chief Executive Officer, Lalitpur Sub-Metropolitan City
09:45 - 09:55	Speech by Mr. S. P. Mahato, Director General, Department of Mines and Geology
09:55 - 10:00	Vote of Thanks by Mr. S. R. Sharma, ISDR Day organizing committee, NGS
10:00 - 10:05	Speech and Closing of Session by Mr. J. N. Shrestha, Chairman
10:05 – 10:30 : Tea Break	
Technical Session: Chairman – Mr. G. S. Thapa; Rapporteurs - Mr. K.N. Dahal and Mr. R. Khanal	
10:30 - 10:55	Status of the disaster management functionality and its implementation for Kathmandu Metropolitan City <i>Tribhuwan Man Singh Pradhan, Disaster Management and Citizens' Safety Section, Kathmandu Metropolitan City</i>
10:55 - 11:20	Traffic management in cities of Kathmandu Valley: Present status & challenges <i>Basanta Kumar Pant, Kathmandu Metropolitan Traffic Police Division</i>
11:20 - 11:45	Initiatives of Lalitpur Sub-Metropolitan City Office for earthquake disaster risk reduction <i>Prabin Shrestha, Lalitpur Sub-Metropolitan City</i>
11:45 - 12:10	Solid waste management and disaster <i>Nahendra Pradhan, SASCON Pvt Ltd.</i>
12:10 - 12:30	Ambulance Service in Nepal <i>Mahesh Nakarmi</i>
12:30 - 13:00	Wrap Up & Vote of Thanks by Mr. G. S. Thapa, Chairman
13:00 - 13:30 : Lunch	

Program Coordinator: Dr. Dinesh Pathak, General Secretary, NGS

LIST OF WORKSHOP PARTICIPANTS

S.N.	Name	Organization
1	Achyut Bhandary	ICGS
2	Adarsha Prasad Pokharel	ADAPT-NEPAL
3	Aditya Shah	HIMMCA
4	Ananta M S Pradhan	Ministry of Energy, Government of Nepal
5	Andy Prakash Bhatta	Ministry of Irrigation
6	Archan Dawadi	Nepal Geological Society
7	Arjun Kumar Thapa	Lalitpur Sub Metropolitan City
8	Arseny Starkov	Russian Centre of Science and Culture
9	Arun Raj Gurung	HIMCCA
10	Ashish Ratna Shakya	Nepal Electricity Authority/Nepal Geological Society
11	Ashok Nath Upreti	Department of Urban Development and Building Construction
12	Badan Lal Nyachhya	Multi Disciplinary Consultant
13	Bala Ram Upadhyay	Nepal Geological Society
14	Basanta Pant	Police Headquarter
15	Binod Prasad Shah	HIMCCA
16	Bishal Tamrakar	WAFA
17	Chanda Shah	Trichandra Campus, Tribhuvan University
18	Chandika Bhatta, Dr.	Department of Mines and Geology
19	Churna Bahadur Wali	DoED
20	D.R. Himali, Prof. Dr.	Mitra Kunj, HEC-Nepal
21	Deepak Poudel	NDMF Nepal
22	Dharma Raj Kandel	Department of Mines and Geology
23	Dhruba Kumar Kafle	Kathmandu Metropolitan City
24	Dhruba Mishra	Himal Hydro
25	Dinesh Kumar Napit	Nepal Geological Society/Department of Mines and Geology
26	Dinesh Nepali	Department of Mines and Geology
27	Dinesh Pathak, Dr.	Nepal Geological Society, Tribhuvan University
28	Dipak Shrestha	DOPP
29	Divakar Vaidya	Mitra Kunj
30	Diwakar Khadka	BPC Hydroconsult
31	G. P. Gorkhaly	Department of Urban Development and Building Construction
32	Gautam Khanal	Nepal Geological Students' Society
33	Ghan Bahadur Shrestha	Geo Consult (P) Ltd.
34	Ghulam Sherani	UNDP
35	Gopal Singh Thapa	GEO CON
36	Gyani Raja Chitrakar	Department of Mines and Geology
37	H. Rahman	Department of Mines and Geology
38	Hira Moktan	Ministry of Environment
39	Jageshwar Jha	Consultant
40	Jaya Kumar Gurung	Nepal Geological Society
41	Jayandra Man Tamrakar	Nepal Electricity Authority
42	Jeevan Lal Shrestha	
43	Kedar Prasad Neupane	Mitra Kunj

44	Kedar Shrestha	
45	Khila Nath Dahal	Department of Irrigation
46	Krishna Basnet	Nepal Electricity Authority
47	Krishna Prasad Kaphle	Nepal Geological Society
48	Kumar Khadka	Department of Mines and Geology
49	Lubha Raj Neupane	DPNet-Nepal
50	Madhav P. Khakurel	Nepal Electricity Authority
51	Madhur Shrestha	Seagate
52	Mahesh Nakarmi	Nepal Geological Society
53	Mahesh Pokhrel	GWRDB, Babarmahal
54	Naba Raj Shrestha	3D Consultants
55	Naba Raj Tamang	Armed Police Force
56	Nahendra Pradhan	Mitra Kunj
57	Nanda Ram Sthapit	Nepal Geological Society
58	Narayan Banskota	Department of Mines and Geology
59	Narendra Khattri	Department of Irrigation
60	Nirendra Dhoj Maske	Former President, Nepal Geological Society
61	Om K. Shrestha	Mitra Kunj
62	Padma Prajapati	Department of Mines and Geology
63	Prabha Panthi	HECAF
64	Prabin Dhakhwa	Lalitpur Sub Metropolitan City
65	Prabin Shrestha	Lalitpur Sub Metropolitan City
66	Prakash Raut, Dr.	Nepal Academy of Science and Technology, NAST
67	Prakriti Raj Joshi	Nepal Electricity Authority
68	R. P. Ghimire	Department of Mines and Geology
69	Raghav Shrestha	
70	Rajan Pudasaini	Nepal Geological Society
71	Rajendra Bhandari	Department of Water Induced Disaster Prevention
72	Rajendra Khanal	Department of Mines and Geology
73	Rajesh Shrestha	Geo Exploration Nepal
74	Ram Balak Singh	UNESCO
75	Ram Govinda Shrestha	Bhaktapur Municipality
76	Ram Kumar Dhakal	Lalitpur Sub Metropolitan City
77	Ram Prasad Aryal	Department of Mines and Geology
78	Ram Prasad Luetel	UN-OCHA
79	Rita Shrestha	Department of Mines and Geology
80	Rudra Prasad Adhikari	Lalitpur Sub Metropolitan City
81	Rupak Khadka	Department of Mines and Geology
82	Sabina Khatri	Trichandra Campus, Tribhuvan University
83	Sabit Shrestha	Nepal Geological Students' Society
84	Samita Shrestha	SASCON Pvt. Ltd.
85	Samundra Karki	Nepal Geological Society
86	Sanjeev Regmi	Tech Studion of Engineering
87	Sanjib Sapkota	Full Moon Environment and Engineering Research
88	Santaman Rai, Dr.	Trichandra Campus, Tribhuvan University
89	Santosh Dhakal	Department of Mines and Geology

90	Sarbjit Prasad Mahato	Department of Mines and Geology
91	Satya Narayan Jha	
92	Shailendra Bhakta Shrestha	Consultant
93	Shankar Raj Aryal	Mitra Kunj
94	Shardesh Raj Sharma	Nepal Geological Society
95	Shekhar Sen Khadka	Nepal Geological Students' Society
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97	Sita Thapa	HECAF
98	Soma Nath Sapkota	Department of Mines and Geology
99	Suchita Shrestha	Department of Mines and Geology
100	Sujan Raj Adhikari	JICA Study Team
101	Sunil Babu Shrestha, Dr.	Principal Consultant
102	Surya Prasad Manandhar	Department of Mines and Geology
103	Swostik Kumar Adhikari	Trichandra Campus, Tribhuvan University
104	Tribhuwan Man Singh Pradhan	Kathmandu Metropolitan City
105	Trilok Chandra Bhatta	Nepal Geological Society
106	Ujjwal Raghubansi	EMES Pvt. Ltd.
107	Upendra Bhakta Pradhananga	Department of Mines and Geology
108	Upendra Man Singh Pradhan	Department of Mines and Geology
109	Vishnu Bahadur Singh	Mitra Kunj
110	Ashok KC	Media- Voice Nepal
111	Binod Ghimire	Media - The Kathmandu Post
112	Bishwas Budhathoki	Media - NTV Hamro Kathmandu
113	Dinesh Bhandari	Media -Nepal-1 TV
114	Dinesh Shrestha	Media- News 24 TV
115	John W	Media - Metro Online
116	Maltab Khan	Media- National TV
117	Niranjan Thapa	Media - AVNews TV
118	Pratichhya Shrestha	Media- National TV
119	Rajneesh Bhandari	Media - KTV
120	Ram Prasad Humagain	Media- Gorkhapatra
121	Sachin KC	Media - Himalayan Times
122	Shiva Regmi	Media - Metro FM
123	Subhas	Media - ABC TV
124	Yubaraj Acharya	Media - News 24 TV