

VOL 25, MAY 2018

INDEPENDENT POWER PRODUCERS' ASSOCIATION, NEPAL

PRESIDENT'S MESSAGE

This year has been a landmark year for the private hydropower developers in Nepal as the installed capacity of private hydropower plants is now on par with the capacity of Nepal Electricity Authority. Besides, the successful provincial election has paved a way for political stability and much can be expected from the newly formed government in the development of hydropower, given the commitment displayed during the election through their manifesto. IPPAN feels that the government's decision to relax land ceiling for the hydropower projects needs a special mention and the government's initiative to facilitate forest use for development is also commendable.

On the contrary, the recent financial market situation indicates otherwise. Banks have not been able to provide stipulated installments to developers

VISION OF IPPAN

To be the umbrella organization of IPPs that advocates for an investor-friendly environment for power development in Nepal.

MISSION OF IPPAN

- Lobby for private sector friendly policies, regulations and their prompt and effective implementation.
- Disseminate information through media, seminar, conferences to political parties, government, Officials, civil societies and the people.
- ▹ Build capacity of IPPs and related stakeholders.
- Develop linkages for regional co-operation in power Sector.



Shailendra Guragain - President, IPPAN

which have hampered the progress of over 2,000 MW under construction projects. 500 MW capacity projects, which are currently processing for PPA are yet to break the deadlock due to the current financial crisis. IPPAN feels that unless some positive policy intervention is taken by the government in this regard, the hydropower sector is likely to hit a slump. IPPAN has already started pressing for such intervention to the concerned authority and carried out a number of meetings regarding the issue.

Further, the issue of the transmission line has become more urgent than ever with more projects

approaching completion and evacuating transmission lines yet to be constructed. More and more projects are likely to be affected by delays in the construction of transmission lines. Though NEA has taken several initiatives to hasten the pace of construction, it still seems inadequate to avoid energy spill. I, thus, solemnly request all hydropower developers to unite and support development and construction of transmission line in their corridor of concern by forming groups actively seeking ways of resolving any obstacle.

Current IPPAN Committee has completed a year at the office and several initiatives have been taken to drive IPPAN to new heights. As we move forward, the committee is geared up to take challenges and concentrate effort to resolve issues of transmission line construction, to establish independent regulator immediately, and to advocate for the development of storage projects.

IN THIS ISSUE



IPPAN ACTIVITIES

IPPAN-IFC-ICH Workshop in 'Disaster Risk Management in Hydropower: From Preparedness to Insurance and Mitigation.



13-16 November, 2017

In continuation to the series of workshops on sustainable hydropower development, Independent Power Producers' Association, Nepal (IPPAN) together with International Finance Corporation (IFC) and International Centre for Hydropower (ICH) organized a half-day international seminar on Disaster Risk Management in Hydropower: From Preparedness to Insurance and Mitigation on 13th November, 2017 in Kathmandu, which was followed by a 3-day residential workshop in Dhulikhel from 14-16 November, 2017.

The main objective of this workshop was to impart knowledge on disasters, the importance of designing resilient structure, early warning systems, methods and procedure for emergency response etc. on hydropower projects. Hydropower projects in Nepal are highly vulnerable to natural calamities like floods, flash floods, glacial lake outburst floods, debris flows and earthquakes. The course was mainly intended for independent power producers, bankers, senior government officials and insurance companies.

The first day of the half-day international seminar was

formally inaugurated and addressed by Dr. Govind Raj Bhatta, member of the Nepal Planning Commission. The inaugural session also included an address from H.E. Mr. Peter Budd, the Australian Ambassador and H.E. Mr. Lasse BiornJohannessen, the Norwegian Ambassador. The other presentations on the same day covered various aspects of disaster risk management as a prelude to the remaining three days of the residential training.

The last three days of the workshop were conducted in Dhulikhel. It had 45 participants including national and international paper presenters and organizing teams from IPPAN, IFC and ICH.

Apart from the paper presentations and discussions, the workshop on the 2nd day also featured a visit to the Upper Bhote Koshi Hydroelectric Project (UBKHEP) to observe damages caused to the intake and powerhouse of the 45 MW operating power plant. The damage was caused due to the GLOF in Bhote Koshi river in July 2016. A visit was also made to the Sunkoshi Small Hydropower Plant to observe the damages caused to the Sunkoshi powerhouse due to the flood waters from the impoundment following the landslide in June 2014.



This four-day workshop was concluded successfully with a positive feedback from all the participants. It was also perceived that the course was successful in raising awareness about the applicable measures to prepare for and reduce the effects of disasters. Furthermore, it prepared the participants to predict potential disasters, to prevent them as far as possible and to mitigate their impact on vulnerable populations. Participants also learned to respond to and effectively cope with the consequences of disasters.

Program on West Seti with Far Western Concern Group

IPPAN has been advocating for the foreign investment in hydropower for several years. The organization was in favor of the Government's recent decision to award 750 MW West Seti Project to a Chinese company after taking away the project from Snowy Mountains Energy Company. Unfortunately, the recent development has pushed the project

into limbo once again. Hence, IPPAN together with the Far Western Concern Group organized an interaction program on West Seti Project on January 27, 2018. The program was planned to discuss the present status of the project, its benefits to affected community, the potential future of the project and the possible contributions by the people of province seven.



Himalayan Hydro Expo 2018

IPPAN together with Events Solutions Pvt. Ltd. organized the Himalayan Hydro Expo 2018 under the patronage of the Nepal government National Planning Commission, Energy Ministry and Ministry of Environment and Population. The expo took place from January 5 – 7, 2018 at Bhrikutimandap, Kathmandu.

This was a first of its kind expo, organized with the main objective of bringing together all the hydropower stakeholders, including hydro-developers, hydropower equipment manufacturers and suppliers, designers, consultant, insurance companies, investors, and banking institutions on a common platform. The goal was to showcase their ideas and expertise for the improvement of the hydropower development within the nation.

The expo was formally inaugurated by Honorable President Mrs. Bidhya Devi Bhandari. Addressing at the inauguration ceremony, President Bhandari stressed on the importance of Hydropower Development in Nepal. She made an appeal to the Government and the private sector to invest in Hydropower. Honorable President Mrs. Bhandari also requested both parties to join hands for the betterment of Hydropower development in the country and to make Nepal selfsufficient on electricity.

Similarly, Shailendra Guragain, President of IPPAN, expressed his belief that the expo will be able to create a forum for discussions for hydropower developers, policy makers, consultants, equipment suppliers as well as for the investors and other individuals and parties interested in this sector. Bhawani Rana, President of Federation of Nepalese Chambers of Commerce and Industry and Hari Bhakta Sharma, President of the Confederation of Nepalese Industries also shared their views during the program on the importance of Hydropower development in Nepal for economic growth and affluence of the country.

The expo showcased products, services and expertise from more than 200 national and international exhibitors with the attendance of over 50,000 visitors.

Voith India was the title sponsor of the event and Cooperative Muratori & Cementisi (CMC Di Ravenna) was the platinum sponsor. Other prominent names in the industry such as Flovel, Hunan Allonward Hydro Generating Equipment Company Ltd., NEEK, Epiroc Mining, Crystal Switch Gear and WKV were also associated with the event as co-sponsors. The international exhibitors included companies from countries including, China, India, Bulgaria, Italy, Sweden, Germany, South Korea, Norway, and England.

The three-day expo also included a technical session, organized in parallel to the main expo. This covered a wide range of subject matters related to hydropower development. Per session was attended by 100 to 150 participants and was one of the most sought after activities among the audience. The technical session covered the following topics:

- Innovation 1.
- 2. **Tunneling Process Innovation**
- Safe Robust Equipment for NATM Tunneling 3.





- 4. How to Manage Risk through Geo-Hazard Assessment
- 5. Risk of Hydropower Sector in Nepal
- Panel Discussion on 'Financing Hydropower Project 6. - Opportunities and Challenges'

Speaker 1: Mr. Guru Neupane, Chairman, API Power Speaker 2: Mr. Sunil KC ,CEO, NMB Bank

Speaker 3: Mr. Tim Gocher, CEO, Founder and Director, Dolma Fund

Speaker 4: Anup Raj Upreti, Pioneer Law Associate Speaker 5: Chabbi Raj Pokharel, CEO, HIDCL

Coordinator: Mr. Ashish Garg, EC Member, IPPAN

- 7. WHY WEG Quality Aspects of Hydro-Generators
- 8. Shipping and Logistics' Challenges and Opportunities in Industries and Hydro Projects in Nepal

- Sluice and Suction Cleaner Sedicon 9
- 10. Importance of Design Standards in Hydropower Projects
- 11. Importance of Small Hydropower in Developing Mountainous Country - A Case Study of Nepal
- 12. Important Aspects of Small Hydro Development

The Exhibition also showcased competitive research projects related to hydropower development from nine different groups of college students. Out of all the college participants, Southwestern Business College, Kathmandu University (B) and Kathmandu University (E) secured 1st, 2nd and 3rd position respectively for their creative projects.

Overall, the exhibition concluded successfully with a positive response from the visitors and exhibitors. Most of the participants also requested for another expo in the near future.

16th AGM of IPPAN





The 16th AGM of IPPAN was held on 19 January, 2018 at Hotel Annapurna Durbarmarg. The quorum of at least 51% of the renewed members were present in the meeting. The program was divided into three sessions.

During the 1st session, IPPAN's President Mr. Shailendra Guragain reported on the organization's activities from last year. He also mentioned the achievements on the sector as a result of IPPAN's constant lobbying with the government and authorized bodies. Mr. Guragain further encouraged all the members to actively participate in the future undertakings of IPPAN. Additionally, he answered queries raised by the members, in regards to IPPAN's future course of action. The President's report was approved during the meeting.

Similarly, at the meeting, Mr. Ananda Chaudhary, Treasurer of IPPAN provided an overview of the accounts including audited financial statements (balance sheets and profit and loss statements) for the fiscal year 2073/2074. The Treasurer's report was also approved during the meeting.

Dr. Aatma Ram Ghimire of Liberty Energy Company Ltd. was unanimously selected amongst the present members to sign the minutes of the meeting. During the second session of the meeting, IPPAN hosted a program to felicitate all the former IPPAN Presidents in recognition of their valuable contributions to the organization and the hydropower sector. Mr. Prabhakar Shumser J.B Rana, Dr. Sandip Shah, Dr. Subarna Das Shrestha and Mr. Khadga Bahadur Bisht were felicitated during the program. Speaking on behalf of all the past presidents, Mr. Prabhakar Shumser J.B. Rana, the founder and the first president of IPPAN, expressed his sincere gratitude for the invitation. He stated that the sector has grown substantially and far beyond their expectations since its inception. However, Mr. Rana also pointed out the restrictions on energy market and energy trade that exist today. He further added that the Government's attitude towards private sector has to improve and the overall environment needs to be conducive for the hydropower project.

The 3rd and the last session of the program included a keynote speech from Mr. Suman Prasad Sharma, former Secretary of the Ministry of Finance. Mr. Sharma highlighted on the newly approved Electricity Regulatory Commission Act 2074 and stressed the importance of an increment in energy consumption, which according to him would automatically trigger the economic growth of the country.

Interaction Program on Hydropower for National Prosperity



Following the successful wrap-up of the local and provincial election and the imminent formulation of the new government, IPPAN felt the need to voice IPPs' agenda in front of the policy makers and the new Head of State. Hence, IPPAN organized an interaction program on 'Hydropower for National Prosperity' on February 14, 2018. The event saw participation from the hydropower developers, officials of IBN, HIDCL, banking sector, former government officials and the political party leaders. The interaction program commenced with a presentation on'Energy Security for the Nation,' by Mr. Khadga Bahadur Bista, Immediate Past President of IPPAN. The program concluded with the identification and communication of the existing gaps in the policy and other aspects of hydropower development.

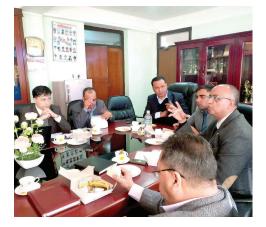
Interaction Program on Hydro Model District: Lamjung



The District Coordination Committee in Lamjung organized a program on 'Hydro Model District: An Interaction Program' on January 24, 2018 at Besisahar, Lamjung. President of IPPAN, Mr. Shailendra Guragain made a presentation on the prospects of hydropower development in the province. He stated that the hydropower development is not possible without absolute support from the Government and the community at all levels. Hon. Mr. Prithvi Shubba Gurung, member of the Provincial Assembly graced the event as the Chief Guest and Mr. Lok Raj Pandey, Chief, DCC as the Chair Person. The event also saw the participation of Hon. Dev Gurung, member of the House of Representative, Hon. Mayanath Adhikari, Hon. Madhu Adhikari, member of Provincial Assembly, Mr. Jamindra Man Ghale, former MP, along with provincial elected members. Representatives from NEA, DoED, and local community were also present during the event. Besides the presentations from IPPAN, Mr. Megendra Pokharel, Program Officer, DCC, Mr. Raj Kumar Bisht from 'Sarokar Samiti', and Care Nepal also presented during the occasion. The presentations were followed by discussion and interaction sessions, covering issues on CSR, security, transparency, and 'Sarokar Samiti' to expedite hydro development in Lamjung and declare it as a model hydro district.

MEETINGS

Meeting on the Marshyandi Corridor Transmission Line



On December 8, 2017, Nepal Electricity Authority (NEA) and IPPs participated in a meeting to discuss the status of the Marshyandi Corridor Transmission Line. The meeting took place at NEA, in the presence of the MD of NEA and the incumbent project staff members.

As some of the hydro projects are approaching completion, IPPs in the Marshyandi Corridor are seeing an issue with the transmission line. This has been a pressing issue for the involved parties. In the meeting, NEA made a comprehensive presentation on the status of the transmission line. The presentation included topics like contracting, land acquisition and project schedules. IPPs explained the projects in the area in detail and stated a need for a fast track approach for the completion of the transmission line, citing any delays would only prolong the energy spill period. The meeting concluded with the options for speeding up the tendering process, the need for the latest technology to expedite construction, mitigation of any social issues and the need for NEA to closely work with IPPs for problem solving.

Meeting with the Secretary of the Home Ministry



Meeting with the Security Board of Nepal



On February 20, 2018, IPPAN had a meeting with the officials of the Security Board of Nepal. The meeting discussed the new Corporate Governance Code for the listed companies, focusing on the concerns raised by the private hydropower developers. IPPAN submitted an official letter to SEBON regarding the provisions of the new code with the necessary amendments.

The IPPAN team and IPPs had a meeting with the Home Secretary, Mr. Mohan Krishna Sapkota, on January 17, 2018. The meeting discussed the security incident at Nyadi Hydropower Plant and Midim Hydropower Plant. IPPAN expressed concerns over the incident that delayed commercial operation of Midim Hydropower Plant and the local issue at Nyadi Hydropower Plant. IPPAN clearly expressed that such incidents must be curbed as soon as possible to expedite hydropower development in the country.

Meeting with Minister of Forest and Soil Conservation



IPPAN team, Minister of Forest and Soil Conservation, and the Secretary of the Ministry met on several occasions to discuss the problems of forest clearance for hydropower developers. The meetings shed light on the provisions of the new guidelines on the use of national forests for national priority projects. IPPAN voiced that the new guidelines have to consider the existing practices in order to leverage the use of forest land for developers. Moreover, IPPAN team also met with consultants to discussion on the standard practice for the valuation of forest land use as provisioned in clause nine of the guideline.

NEWS FROM MEMBERS



Photo of Power House Area of Middle Trishuli Ganga Hydropower Project (19.41 M.W.), Tupche, Nuwakot.

Middle Trishuli Ganga Hydropower Project

Middle Trishuli Ganga Hydropower Project (19.41 M.W.), Tupche, Nuwakot being developed by Perfect Energy Development Pvt. Ltd., Sanobharyang, Kathmandu-15 has completed engineering design. Its civil construction work is planned to commence from 1st Kartik 2075 B.S.



Power House and Switchyard Area of Thapa Khola Hydroelectric Project (13.6 M.W.), Tukuche, Mustang

Thapa Khola Hydroelectric Project

Thapa Khola Hydroelectric Project (13.6 M.W.), Tukuche, Mustang developed by Mount Kailash Energy Company Limited, Sanobharyang, Kathmandu-15 has started power generation and has been supplying power to the Nepal Electricity Authority effective from 22nd Mangsir 2074 (8th December 2017).

FRIDAY FORUM

VAT on Hydropower: Compliance and Issues



Applicability of VAT on Hydropower has been on a topic of debate for the hydropower developers and policy makers alike. Despite of VAT subsidy for a number of industries, hydropower sector, considered as the backbone of economic development, is yet to receive any subsidy (even though subsidy has been announced by the earlier government). A Friday Forum was hence conducted on the compliance of 'Value Added Tax Act 2052' and subsequent circular on 30th september 2017. FCA Ghanshyam Poudel presented on issues regarding the compliance of Value Added Tax Act 2052. The Inland Revenue Department (IRD) has issued a circular on 2070/07/03 on the subject of the implementation of section 8(3) of VAT Act. The circular relates to the collection of VAT on civil works, construction and capitalization of construction related cost.



The meeting raised concerns relating to the increment of project costs due to such provisions and discussed the difficulties in implementing the provisions of the act.

Informing, Engaging and Building Capacities of Hydropower Developers and Operators on Hydro-met Data Modeling Scenarios and Emergency Action Plans



Unavailability of hydro-met data for all river basins has forced private developers to invest additional resources in gathering hydrological data. Climate change and its corresponding impact in hydrological regimes are a major concern for any hydropower developer. In addition, climate change induced catastrophic events, like GLOF in Bhotekoshi River in July 2017, could wreak havoc for a hydropower project. Thus on December 22, 2017, a constructive dialogue was held among power producers and officials of Department of Hydrology and Meteorology in cooperation with USAID-PAANI program, in order to create a better repository of hydromet data and prepare hydropower fraternity for any eventual climate induced disaster.

Reviving Drying Springs in the Himalayas: Mitigation Measures for Hydropower



Springs are the main source of water for millions of people in the mid hills of the Hindu Kush Himalayas (HKH), including Nepal. Both rural and urban communities depend on springs for meeting their drinking, domestic and agricultural water needs. In addition, springs play an important role in providing water for the ecosystem services like base flow in rivers, while supporting vegetation and wildlife. Hence, it is important for hydropower fraternity to understand the science behind springs, so as to revive drying springs to preserve base flows in river and make water arrangements for the project and nearby community. Therefore, the Friday Forum conducted on March 9, 2018 covered different issues concerning spring water, The topics included the reasons for drying up of spring water and underground aquifers and how those could be resuscitated. The program conducted in association with the International Center for Integrated Mountain Development (ICIMOD) covered such aspects and focused on the use of modern technology to identify recharge areas for the revival of springs and the techniques available to recharge drying up springs. The presentation was made by Dr. Aditi Mukherji, Team Leader, Water and Air, ICIMOD.

UPCOMING PROGRAMS

"Procurement and Contract Management: Practical Use of FIDIC Conditions of Contract for Hydropower Sector"

IPPAN in association with ICH is planning to organize a Training/Worshop on "Contract Management and Practical Use of FIDIC Conditions of Contract for Hydropower Sector" during the last week of September this year.

LIST OF IPPAN MEMBERS

CORPORATE MEMBERS

| C NI- | News of Commence | T-1/F |
|-------|---|--------------------|
| | Name of Compamy | Tel/Fax |
| 1 | Bhote Koshi Power Co. Pvt. Ltd. | 4270027/ 4273516 |
| 2 | Butwal Power Co. Ltd. | 4784026/ 4780994 |
| 3 | Himal Power Limited | 5521864/ 5536411 |
| 4 | Himtal Hydropower Company Pvt. Ltd. | 5260259/5260773 |
| 5 | Lamjung Electricity Devt. Company Ltd. | 4232748/ 4232749 |
| 6 | Molnia Power Ltd | 515707/515848 |
| 7 | Sanima Hydropower Ltd. | 4372828/4015799 |
| 8 | Annapurna Renewable Energy (P) Ltd. | 4414519 |
| 9 | Khudi Hydropower Ltd. | 2053003 |
| 10 | Himalayan Hydropower Ltd | 4112091 |
| 11 | Rairang Hydropower Devt. Co. Ltd. | 5111015/5111016 |
| 12 | Panchakanya Mai Hydropower Ltd. | 5010078/5010080 |
| 13 | Modi Energy Pvt. Ltd. | 4441131 |
| 14 | Balephi Hydropower Company Ltd. | 4224074/4266133 |
| 15 | IDS Energy Pvt. Ltd | 4169116/4238496 |
| 16 | PAN Himalaya Energy Pvt. Ltd. | 4244352/4225685 |
| 17 | Pashupati Energy Dev. Co. (P) Ltd. | 4422803/4433610 |
| 18 | Tundi Power Co. Pvt. Ltd. | 5184273/5555574 |
| 19 | Muktishree Pvt. Ltd. | 4785839/4785838 |
| 20 | Cemat Power Dev. Co (P) Ltd. | 5539891/5539792 |
| 21 | Ru Ru Jalbidhyut Pariyojana Ltd. | 4419393/4419394 |
| 22 | Radhi Bidyut Company Ltd. | 4232748/4232750 |
| 23 | Upper Maiwa Hydropower Pvt. Ltd. | 4033750/4033755 |
| 24 | Upper Madi 0 Hydro Pvt. Ltd. | 4033750/4033755 |
| 25 | Super Khudi Hydropower Pvt. Ltd. | 4033750/4033755 |
| 26 | Unique Hydel Co. Ltd. | 4033753/4033755 |
| 27 | Shikhar Hydropower Co. Pvt. Ltd. | 4033750/4033755 |
| 28 | Ankhu Hydropower (P.) Ltd. | 4033750/4033755 |
| 20 | Annapurna Group (P.) Ltd. | 4229222/ |
| 30 | Grid Nepal Company Pvt. Ltd. | 4442049/4436585 |
| 31 | Welcome Energy Devt. Co. (P.) Ltd. | 4783532 |
| 32 | Nepal Hydro Developer Ltd. | 4441131/4441973 |
| 33 | Dordi Khola Jalabidyut Co. Ltd. | 4232749/ 4232748 |
| 34 | Himalayan Power Partner Ltd. | 4002801 |
| 35 | Naulo Nepal Hydroelectric Pvt. Ltd. | 4428299/4428299 |
| 36 | Numbur Himalaya Hydropower Pvt. Ltd. | 4225009/4248695 |
| 37 | | |
| | Global Hydropower Associate Pvt. Ltd. | 4268589/4248695 |
| 38 | Nasa Hydropower Pvt. Ltd. | 4244352/4225685 |
| 39 | | 4033016 |
| 40 | Sanima Mai Hydropower Ltd. | 4372828/4015799 |
| 41 | Tara Energy Pvt. Ltd. | 5555707/5555701 |
| 42 | Nimrung Hydropower Co. Pvt. Ltd. | 4102651 |
| 43 | River Falls Power Ltd. | 4223608/4373020 |
| 44 | Ngadi Group Power Limited | 4238159 |
| 45 | Baishno Devi Hydropower Co. Pvt. Ltd. | 4228816 |
| 46 | Synergy Power Development Ltd. | 4440433/9851003846 |
| 47 | Energy Engineering Pvt. Ltd. | 4478225/9851015956 |
| 48 | Upper Mai Hydro Devt. Pvt. Ltd. | 5010631/5522869 |
| 49 | GMR Upper Karnali Hydropowr Ltd. | 5260259/5260518 |
| 50 | Lower Arun Hydro Electric Pvt. Ltd. | 4247237 |
| 51 | Sinohydro-Sagarmatha Power Co. (P) Ltd. | 4376664/4378378 |
| 52 | Solu Hydropower Pvt. Ltd. | 4423286/4260266 |
| 53 | Chirkhwa Hydropower Pvt. Ltd. | 4033016 |
| 54 | Mailung Khola Hydropower Co. Ltd. | 4432372/4419703 |
| 55 | Liberty Energy Company Ltd. | 4238241/4226946 |

| S.No. Name of Compamy | Tel/Fax |
|--|--|
| 56 Sikles Hydropower Pvt. Ltd. | 061-523557/061-523593 |
| 57 Hira Ratna Hydropower Pvt. L | td. 4424619/4226330 |
| 58 Ambeshwor Engineering Hyd | ropower Pvt. Ltd. 5000075/5000300 |
| 59 Laughing Buddha Power Nep | • |
| 60 Jumdi Hydropower (P) Ltd. | 9841447281 |
| 61 Mount Kailash Energy Compa | iny Pvt. Ltd. 4302706/4302707 |
| 62 Kalika Power Company Ltd. | 4439152/4439155 |
| 63 C.E.D.B. Hydro Fund Ltd. | 4251080/4260266 |
| 64 Nepal Water & Energy Develo | pment Company 4412257/4412557 |
| 65 Kalanga Hydro Pvt. Ltd. | 5551546/5552905 |
| 66 Eastern Hydropower Ltd. | 5242872 |
| 67 Sanvi Energy Pvt. Ltd. | 4415513 |
| 68 Dovan Hydropower Pvt. Ltd. | 6214401/9851125161 |
| 69 Triyog Energy and Developm | ent Pvt. Ltd. 5528571 |
| 70 United Modi Hydropower Ltd | |
| 71 Bhairabkunda Hydropower L | td. 4420108/ 4418139 |
| 72 Tamor Sanima Energy Pvt. Lto | |
| 73 Panchthar Power Co. Pvt. Ltd. | 5251004/5251003 |
| 74 Idi Hydropower Company Pvt | . Ltd. 9851018118 |
| 75 Ankhu Khola Jalvidhyut Co. Li | td. 4429789 |
| 76 Sunrise Hydropower Pvt. Ltd. | 91-11-47624100 |
| 77 Consortium Power Developer | rs Pvt. Ltd. 4462856/4462856 |
| 78 Chhyangdi Hydropower Ltd. | 4424925/ 4259582 |
| 79 Salankhu Khola Hydro Power | Pvt. Ltd. 4390240/4390239 |
| 80 Trade Link Global Pvt. Ltd. | 4244408 |
| 81 Puwa Khola One Hydropower | ^r Pvt. Ltd. 4102710 |
| 82 Madi Power Pvt. Ltd. | 4437305/4417372 |
| 83 Sahas Urja Limited | 4419182/4422756 |
| 84 Terathum Power Company (P) |) Ltd. 4253387/4240661 |
| 85 Peoples Hydropower Co-oper | rative Ltd. 4781891/4785671 |
| 86 Bindhyabasini Hydropower D Pvt. Ltd. | Development Co. 4781891/4785671 |
| 87 Jhyamolongma Hydropower I | Devt. Co. Pvt. Ltd. 5520254/5012027 |
| 88 Hydro Empire Pvt. Ltd | 4154879 |
| 89 Sayapatri Hydropower Pvt. Lte | d. 4464508/4464509 |
| 90 Molung Hydropower Co. Pvt. | Ltd. 4670518/4670442 |
| 91 Shiva Shree Hydropower (P) L | td. 4222042/42221288 |
| 92 Shuvam Power Limited | 4238159/4373020 |
| 93 Pokhari Hydropower Compar | ny Pvt. Ltd. 4438203 |
| 94 Blue Energy Pvt. Ltd. | 4233516/4233514 |
| 95 Super Mai Hydropower Pvt. L | |
| 96 Barun Hydropower Company | Ltd. 4226590 |
| 97 Union Hydropower Ltd. | 5525406/5525406 |
| 98 Madhya Midim Jalabidhyut C | |
| 99 Garjang Upatyaka Hydropow | |
| 100 Peoples' Hydropower Co. Pvt. | Ltd. 4785923 |
| 101 Himalaya Urja Bikas Co. Ltd. | 4111853/673/674 |
| 102 Upper Solu Hydro Electric Co. | Pvt. Ltd. 4426941/4426942 |
| 103 Siuri Nyadi Power Pvt. Ltd. | 4238159/4373020 |
| 104 Gorakshya Hydropower Co. P | |
| 105 Singati Hydro Energy Pvt. Ltd. | |
| | |
| 106 Pashupati Environmental Pow | |
| 107 Dudhkoshi Power Company F | Pvt. Ltd. 4469270/4491475 |
| | Pvt. Ltd. 4469270/4491475 pmpany Pvt. Ltd. 4468749/4468118 |

| S.No. | Name of Compamy | Tel/Fax |
|-------|--|-----------------|
| 110 | Kabeli Energy Ltd. | 4785735 |
| 111 | Bhujung Hydropower Pvt. Ltd. | 4480564 |
| 112 | Sagarmatha Jalbidhyut Company Pvt. Ltd. | 4105087 |
| 113 | Barahi Hydropower Public Ltd. | 5532678 |
| 114 | Mountain Hydro Nepal Ltd. | 4672442 |
| 115 | Ghalemdi Hydro Limited | 4362520 |
| 116 | Mabilung Energy Pvt. Ltd. | 9851110896 |
| 117 | Lower Erkhuwa Hydropower Company Pvt. Ltd. | 5172685 |
| 118 | National Hydro Power Co. Ltd. | 5172685/5172683 |
| 119 | Myagdi Hydropower Pvt. Ltd. | 4428168/4428368 |
| 120 | Century Energy (P) Ltd. | 4116119 |

| S.No. | Name of Compamy | Tel/Fax |
|-------|---|-----------------|
| 121 | Him River Power Pvt. Ltd. | 4441535 |
| 122 | Annapurna Vidyut Pvt. Ltd. | 9851168353 |
| 123 | Taranga Khola Sana Jal Vidhyut Aayojana Pvt. Ltd. | 01-6923768 |
| 124 | Multi Energy Development Pvt. Ltd. | 4781891 |
| 125 | Suri Khola Hydropower Ltd. | 4117008 |
| 126 | Sano Milti Khola Hydropower Ltd. | 2298250 |
| 127 | Sanigad Hydro Pvt. Ltd. | 5529926/5524335 |
| 128 | Kalanga Hydro Pvt. Ltd. | 5529926/5524335 |
| 129 | Bungal Hydro Pvt. Ltd. | 5529926/5524335 |
| 130 | Taksar Pikhuwa Khola Hydropower Pvt. Ltd. | 4221777 |
| 131 | Nyadi Hydropower Ltd. | 4781776 |

ASSOCIATE MEMBERS

| S.No. | Name of Company | Tel / Fax |
|-------|---|------------------------------|
| 132 | Shangrila Energy Ltd. | 4431545/ 4439267 |
| 133 | NMB Bank Limited | 4246160 |
| 134 | Klen Tech Pvt. Ltd. | 4218888/ 4430396 |
| 135 | STATKRAFT HOLDING SINGAPORE PTE. LTD. | 5521864/ 5536411 |
| 136 | Nepal Hydro & Electric Ltd. | 4785136/ 4781851 |
| 137 | ICTC Pvt. Ltd | 4434895/ 4434937 |
| 138 | Himal Hydro & General Construction Ltd. | 5000478/5000477 |
| 139 | Hydro Solutions Pvt. Ltd. | 4033751/4033755 |
| 140 | Jyoti Bikash Bank Ltd. | 4168605/4442192 |
| 141 | Nabil Bank Ltd. | 4227181/4226905 |
| 142 | Himalayan General Insurance Co. Ltd. | 4231788/4241517 |
| 143 | Standard Chartered Bank Nepal Ltd. | 4782333*447 ext/ 4780762 |
| 144 | Bank of Asia Nepal Ltd. | 4263212 |
| 145 | Sanima Bank Ltd. | 4428979/4428969 |
| 146 | Sunrise Bank Ltd. | 4004560/4422475 |
| 147 | Nepal Investment Bank Ltd. | 4225273/4245688 |
| 148 | ACE Development Bank Ltd. | 4441110/4445554 |
| 149 | Feedback Ventures Nepal Ltd. | 4169104/4169106 |
| 150 | Qiankang Allonward Hydro-Equipment Co. Pvt. Ltd. | 4228816/4223570 |
| 151 | Structo Nepal (P) Ltd. | 5521192, 5541289/ 5542118 |
| 152 | Siddhartha Bank Ltd. | 4442919/4442921 |

| S.No. | Name of Company | Tel / Fax |
|-------|---|-----------------|
| 153 | Laxmi Bank Ltd. | 4444684/4444640 |
| 154 | Grand Bank Nepal Ltd. | 4168605/4168609 |
| 155 | K-water (Korean Water Resources Corporation) | 4442117 |
| 156 | Jade Consult Pvt. Ltd. | 4247237/4232171 |
| 157 | Mahavir Shreee International Pvt. Ltd. | 4110860/4110855 |
| 158 | GCE Group Pvt. Ltd. | 4222202 |
| 159 | Ghatal Trading & Suppliers Pvt. Ltd. | 4467461 |
| 160 | NRNA NCC Russsia | 7255093999 |
| 161 | Jin Long Hydropower Equipments Co. Pvt. Ltd. | 5013037 |
| 162 | Chongqing Savan Electromechanical Equipment Co. Ltd. | 4620235 |
| 163 | Pioneer Law Associates | 4221340/4261000 |
| 164 | Global IME Bank Ltd. | 4002507/4441502 |
| 165 | NRN Infrastructure & Development Limited | 4002638/4002639 |
| 166 | Dolma Advisor Pvt. Ltd. | 4431376 |
| 167 | Neupane Law Associates | 4101631 |
| 168 | Hydro Magus Pvt. Ltd. | 9808953879 |
| 169 | ACME Technotrade Concern | 5552413 |
| 170 | ChainLink Engineering Private Limited | 6636267 |
| 171 | NLG Insurance Company Ltd. | 4006625/4416427 |
| 172 | Schimmer Energy Pvt. Ltd. | 5111026/27 |
| 173 | APE Power Pvt. Ltd. | 9103340273233 |
| 174 | Premier Electric Marketing Pvt. Ltd. | 9108049513103 |



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