

#### 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 16<sup>th</sup> 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 1<sup>st</sup> 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 3<sup>rd</sup> 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.

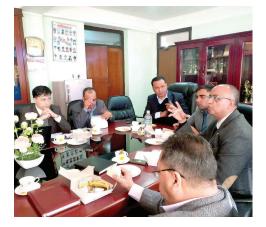
#### Interaction Program on Hydro Model District: Lamjung



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 1<sup>st</sup> 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 22<sup>nd</sup> Mangsir 2074 (8<sup>th</sup> 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 30<sup>th</sup> 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	<sup>r</sup> 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



#### INDEPENDENT POWER PRODUCERS' ASSOCIATON, NEPAL (IPPAN)

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