



IPPAN

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INDEPENDENT POWER PRODUCERS' ASSOCIATION, NEPAL

Message from IPPAN President

Colleagues, today country's economy is severely affected, the impact of devastating earthquake followed by the blockade at the Nepal-India border points are taking its toll on the economy. All sectors of national economy are in dire situation but issues with the Ministry of Energy is incomprehensible. Internally created dysfunctional interrelationship between the line ministry and the national electricity utility has kept generation and transmission projects in disarray. And the utter frustration is that we do not know when this relationship will smoothen.

But then, IPPAN continued its effort in overcoming challenges by meeting decision makers and government officials throughout the year. Some of the key issues that we were pursuing were already in our programs last year and added to them were two key points.

Post Disaster Need Assessment (PDNA): It took two months for the government to organize a team to work with the PDNA and the National Planning commission was entrusted with the work. IPPAN had rounds of discussion with the NPC officials and the Bank officials on putting up a comprehensive PDNA report for "Electricity Sector". Our colleagues at IPPAN worked day-and-night to put a document on given time. Government through a well-attended donor meet garnered quite appreciable support for rehabilitation of the damaged project. There is IPPAN request at the Ministry of Energy and the National Planning Commission pending approval for relieving damaged hydropower projects through concessionary interest fund. Time and again IPPAN is promised for some kind of support and with the recent passing of the law relating to the reconstruction, we are hopeful that some positive decision will be done soon.

Declaration of Energy Emergency for Energy Security: The news of blockade started coming from Ashwin 5, 2072 only two days after the constitution was passed by overwhelming majority and everyone trying to understand the repercussion of it. IPPAN started preparing a complete road-map for energy security and on Ashwin 17, 2072 made a presentation to the Parliamentary Agriculture and Water Resources



Khadga B. Bisht- President, IPPAN

Committee (AWRC). IPPAN's recommendation for energy secure nation were taken seriously by the Committee and hence asked the Ministry of Energy to prepare a plan for energy security. On the same basis, IPPAN met with the Minister of Energy, Finance Minister and several political leaderships for taking firm steps on attaining energy security. As a starting point, IPPAN requested the authorities to declare Energy Emergency until Nepal generates equivalent of 10,000MW. Energy Emergency declared in BS 2067 achieved very little because of its incompleteness and the fact that it has to pass through same bureaucratic maze. So the declaration of Energy Emergency now has to come with concrete action points and time-schedule, which among other shall include establishment of a single approval desk, providing one more chance to recently cancelled projects due to CIAA recommendation, provide private sector to build transmission line under BOT model, provide Rs. 50 lacs/MW subsidy to those projects that were commissioned from the date the subsidy was announced during the earlier Emergency in April, 2011, take up storage project Budhigandaki and Nalsing Gad under project company model, revise

the consumer tariff and come up with seasonal tariff, peaking tariff and solar power feed-in tariff.

The regularization of power trade agreement with India, the enactment of new electricity Bill and sector re-structuring and decision on foreign currency based PPAs are still pending and the authorities has to decide on it soon. It would not be an under-statement to say that, Nepal has moved very little when it comes to hydropower development in the past twelve months.

Having said this, I still believe that hydropower is the only sector for Nepal's socio-economic transformation and we at IPPAN are firmly committed to work with the government as well as national and international organizations in all aspects of hydropower development for the benefit of the developer and for the benefit of the country.

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.

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IPPAN ACTIVITIES

Cooperation Agreement between IPPAN and International Finance Corporation (IFC)

The Cooperation Agreement between IPPAN and IFC was signed on 23rd January 2015 at Hotel Yak & Yeti. Mr. Khadga B. Bisht, IPPAN President and Mr. Valentino S. Bagatsing, Resident Representative, IFC had signed the Cooperation Agreement. This Cooperation Agreement is for promotion of the sustainable hydropower development in Nepal by providing assistance to the private sector and Government of Nepal by way of promoting adoption of technical, environmental and social international best practices. The Project includes organization of sector level workshops and trainings to assist groups for hydropower developers for substantiating the technical, commercial, financial, environmental and social issues over the next two years.

Executive Committee Members, members and advisors of IPPAN, IPPs, IFC delegates



and Energy Journalists were present during this signing ceremony.

IPPAN and the Resident Representative from IFC had given their respective addresses in the program. Khadga B. Bisht, President of IPPAN had said "IFC's performance standards and sustainability guidelines will play a key role in ensuring that hydropower developers and contractors adopt global best practices in the development of hydropower projects," to which Valentino S. Bagatsing, IFC Resident Representative for Nepal had added "As Nepal's hydropower sector grows to meet its energy demands, it needs to do so in a sustainable way," and concluded by saying, "This partnership will help stakeholders develop more sustainable and bankable hydropower projects and help them engage better with local communities."



Workshop on "Consensus and Capacity Building in Hydropower Projects"



IPPAN had organized a two-day workshop on "Capacity and Consensus Building in Hydropower Projects" from 11th to 12th April, 2015 in Pokhara.

Hydropower projects are often considered as highly sensitive in nature and in some cases are at times over politicized presumed to be a lack of awareness among the political parties, local authorities and local population in general. Once the project starts the mobilization works, locals from the vicinity of the project come forth demanding several benefits ranging from employment as well as to declaring their village as project affected area conspicuously a complete disregard to the already concluded environmental impact assessment study which clearly marks the project affected area and mitigation measures. Physical threats are widely experienced by the project developer on which IPPAN has time and again issued press releases in detest.

The main objective of the training workshop was to facilitate the implementation of hydropower projects and transmission line projects through capacity and consensus building among local stakeholders. The workshop intends to initiate an objective of capacity building amongst the local politicians, local authority



and the local journalists and thereby create a model of communicative platform between the local level and the project developer.

The first day of the workshop centered on the capacity and consensus building to educate the journalists on the basics of hydropower empowering them to advocate and act in accordance with the removal of the probable barriers to hydropower project development. The President of IPPAN, Mr. Khadga B. Bisht gave his presentation on the basics of hydropower, understanding energy conversion its design discharge, head and energy values etc. The presentation topics also covered regulatory framework as well as environmental aspects of developing a hydropower project. Mr. Bikas Thapa, prominent journalist from Annapurna Post elaborated on the topic "Reporting on Hydropower."

On the second day, Prof. Dr. Govinda Raj Pokharel, Vice-Chairman, National Planning Commission formally inaugurated the program and complemented

with his inaugural address. Furthermore, Dr. Govinda Nepal, Member- National Planning Commission, Mr. Shanker Koirala, Former Minister, Mr. Surya Nath Upadhyaya, Former Secretary, Mr. Sirranjan Lacoul, Former Secretary, Mr. Khadga B. Bisht, President, IPPAN, Mr. Salil Devkota, Mr. Suryaman Shaky and Mr. Anil Devkota all spoke on relevant topics for the day.

Parliamentarian, Secretary from the Ministry of Energy, District Administrative Officers along with the Local Development Officers from Kaski, Myagdi, Parbat and Syangja, including the CDO and DFO from Kaski and local political leaders from Nepali Congress, CPN-UML, UCPN- Maoist, RPP along with the energy journalists from Kathmandu as well as local journalists from Kaski, Myagdi, Tanahu, Syangja, Lamjung and Parbat also took part in the program.

Three main thematic sessions of the program were: 1) Why Hydropower for Nepal? 2) Why we fail in project implementation? 3) Consensus in Hydropower Development.

IPPAN-IFC Training on "Sustainable Development of Hydropower"



IPPAN in collaboration with IFC had organized a one and a half day residential workshop on Sustainable Hydropower on 10th and 11th of March, 2015 at Dhulikhel Mountain Resort. This workshop was construed as a platform with exposures on exchanges and learning facilities of hydro-related technicalities, project management, environment and social topics.

Altogether there were twenty-five participants from IPPAN. Ms. Kate Lazarus from IFC, Mr. Richard English from IFC, Dr. Sebastian Palt, Hydropower Expert - Hydropower Project Manager at Fichtner, Mr. Harald Von Bueren from Fichtner were the international resource persons while Mr. Bigyan Shrestha, Project Manager at Upper Tamakoshi Hydroelectric Project, and Mr. Surya Man Shakya, Environmental Expert provided their dispositions as local resource persons.

The prescribed course was tailor-made for those Project Managers, Deputy Project Managers and Assistant Project Managers who possessed experience in the overall hydropower development aspects.

The course focused on the Electro-Mechanical Specifications, EIA baseline survey & Project Management enabling to deal with a sound knowledge on key electromechanical parameters and procurement options. This also entails efficiency, quality, reliability and budgeting, operations and maintenance and after sales services from the supplier/manufacturer, Performance Standard (PS1) and also conduct discussions on how to render good practice EIA baseline surveys as a first step towards the identification and management of E&S impacts and eventually highlight tools and methods to be used for the Project Management.

The 5th Asia Energy Security Summit (AESS) in Kathmandu



issues and challenges in the energy landscape of Asia.

The 5th Asia Energy Security Summit had not only delved into the geopolitical issues that arises because of the competing demand for energy but also addressed the environmental concerns arising out the increasing energy consumption.

IPPAN was instrumental in imparting knowledge for the sessions. Mr. Khadga B. Bisht, IPPAN President and Mr. Surya Nath Upadhaya, Former Secretary also spoke at the program.

Advisors, Executive Committee Members, Regular Members from IPPAN along with the high-level officials from Ministry of Energy, DoED including the private stakeholders also participated.

Some of the key areas of discussions were as follows:

- Geopolitics of Energy Security
- Challenges and opportunities for Regional co-operation in South East Asia and South Asia
- Future of Middle East Oil Markets and the "Shale Gas Revolution"
- Critical Energy Infrastructure Security
- Harmonization of Policy & Regulation for cross border electricity trade
- Augmenting Electricity Generation and Transmission capacities for Asia's energy security
- Environment vs. Development

The Independent Power Producers Association of India (IPPAI) had organized the 5th in the series of its flagship events on energy security - The 5th Asia Energy Security Summit (AESS) in Kathmandu, Nepal on 3-4 March 2015, at Gokarna Forest Resort. This

was a Track II diplomacy initiative, where government and industry leaders, regulators, policymakers, academicians and think tanks from across the Asia had participated to discuss and debate issues relating to the entire energy spectrum, particularly the emerging

IPPAN-IFC Training on "Hydropower Project Financing"



Independent Power Producers' Association, Nepal (IPPAN) together with International Finance Corporation (IFC) had organized a one and a half day residential workshop on Hydropower Project Financing on 23rd - 24th Sept., 2015 at Gokarna Forest Resort. This course was an introduction to Hydropower Financing that had given participants with insight into the various aspects of Hydropower Financing and Risk Management to understanding the components that are necessary for a successful project and the development of a country's hydropower resources.

Altogether thirty participants from Independent Power Producers (IPPs), banks, financial institutions and government bodies participated in the residential training. The resource persons were Multi Consult & PwC & IFC and Nepalese hydro experts.

The course was tailor-made for senior officers and executives with responsibilities in the financing aspects and decision-making processes related to hydropower projects.

The course focused on the important stages of financing of hydropower projects that will enable a sound implementation of suitable development projects. It included the strategies and processes involved in securing the necessary financing for projects as well as exposing the relevant associated risk factors and suggested ways to manage those risks by highlighting the necessary factors that need to be considered. The course was also focused on the Project Development Agreement (PDA) and the challenges of export projects.

IPPAN took part in the Impact of Disaster on Hydropower Development in Nepal

The Impact of Disaster on Hydropower Development in Nepal was organized by the Niti Foundation in cooperation with Nepal Hydropower Association (NHA) on 3rd July, 2015. The discussion focused on the post earthquake and its impact on hydro sector. IPPAN President Mr. Khadga B. Bisht gave a presentation on the "Impact of Earthquake on Hydro Projects".

A study was carried out by Nepal Hydropower Association (NHA) on the assessment of disaster risk management in the hydropower sector in Nepal which was presented by Mr. Suman Basnet. IPPAN President Mr. Khadga B. Bisht and IPPAN Advisor Dr. Sandip Shah were invited as experts to give their feedback on the report presented by the NHA.



IPPAN's Presentation on Energy Security to the Parliamentary Agricultural and Water Resources Committee

Immediately after the petroleum tankers were blocked at the Nepal India border on 6th of Ashwin, 2072, IPPAN brought up the issue of Energy Security in the media and made a presentation on Energy

Security to the Parliamentary Agricultural and Water Resources Committee (AWRC) on 17th Ashwin, 2072. It was well received by the parliamentarians and the AWRC asked the Energy Ministry to come

up with a plan on Energy Security. Keeping the strategic importance of Energy, IPPAN requested the parliamentarians to focus on Hydropower by declaring Energy Emergency.

MEETINGS

Meeting with Vice Chairman, National Planning Commission to discuss on the damages done to the Hydropower Projects by the Earthquake:

On 4th August, 2015 IPPAN team led by President Mr. Khadga B. Bisht, met with Honorable Vice Chairman Prof. Dr. Govind Raj Pokharel, National Planning Commission to discuss the damages done on Hydropower by the recent Earthquake and Post Disaster Need Assessment Report (PDNA). The PDNA was prepared by the National Planning Commission (NPC) that covers the entire country with a focus on the 14 districts which have been severely affected by the earthquake. IPPAN in liaison with the World Bank Group had assisted the preparation of the PDNA report. IPPAN President had suggested for preparing a concrete plan and to move on with the reconstruction plan very soon.



Meeting with the Energy Minister to discuss on the damaged Hydropower Projects by the devastating earthquake.



IPPAN Delegation Team led by IPPAN President Mr. Khadga B. Bisht met the Honorable Minister for Energy, Ms. Radha K. Gyawali on 3rd March, 2015 along with the Energy Secretary to discuss on the damages done to the Hydropower Projects by the

recent earthquake. The national grid lost minimum of 82 MW of power by the damages caused by the recent earthquake of April 25, 2015 to 14 hydro power projects and the aftershocks are continuous till today.

Bhotekoshi, Mailung Khola, Siuri Khola, Sunkoshi, U Chaku, Lower Chaku, Middle Chaku, Bhairavk Baramchi, and Mathilo Handikhola (1MW) are others have been halted. Last August, transmission towers of the Upper Bhotekoshi were damaged by the landslides along the Araniko Highway halting the power generation. Even the Sunkoshi S Hydropower Project was damaged by the Jure land last year.

IPPAN has asked the government to announce a compensation package and introduce policy reforms so that they would be able to repair the projects as early as possible.

- Provisioning loan on re-payment (for operating projects – but not working due to damages)
- Availing soft loan (if not grant) for renovating damaged projects
- Extension of license period and PPA period
- Extension of RCOD for under construction projects
- Detailed geological mapping and risk-assessment of river basins with the help of foreign donor agencies or governments
- Establishing Early Warning System especially for flood to safeguard people and project downstream especially during monsoons.

Meeting between IPPAN Delegation Team and new Governor, Nepal Rastra Bank



IPPAN Delegation Team led by President Mr. Khadga B. Bisht met Honorable Governor Dr. Chiranjibi Nepal on 15th April, 2015 along with the IPPAN Executive Committee Members. The President congratulated the new Governor on his appointment and assumption of his duties at the Nepal Rastra Bank and presented him with the Hydropower Book published by IPPAN. The President had then put forth the following issues to the governor.

- Interest rate for loans to hydropower projects
- Refinancing facility from NRB
- Restructuring/Rescheduling of Loans

- Prior approval for interest capitalization
- Loans in foreign currency
- Swap fee
- Mechanism for Foreign Currency Based PPA

Similarly on 9th June, 2015, IPPAN team led by Vice-President Mr. Shailendra Guragain met with the Honorable Governor to discuss the damages done to the Hydropower Projects by the recent earthquake. The powerful April 25 earthquake and series of aftershocks that followed the main tremor have damaged around 14 hydropower plants across the country resulting in the loss of 82 MW of electricity from the national power grid.

Meeting with the NEA Board of Directors and its Officials:



On 4th August, 2015, IPPAN team led by President Mr. Khadga B. Bisht met with the NEA Board Members, MD and other high-level officials to discuss on hydrology penalty. Hydrology penalty needs to be strongly pursued and the Ministry of Energy has also recommended for a waiver on penalty.

Mr. Khadga B. Bisht and Mr. Kumar Pandey, General Secretary provided their clarifications as to why penalty from the PPA documents should be waived.

Nepal Electricity Authority (NEA) board members Santosh Narayan Shrestha, Mr. Laxman Prasad Agrawal, Mr. Manoj Kumar Mishra, Mr. Suraj Lamichhane, the MD including other NEA officials were also present during the meeting.

Meeting with the Honorable Chairperson of the Constituent Assembly of Nepal Mr. Subash Chandra Nembang and Former Prime Minister Dr. Baburam Bhattarai



IPPAN Delegation Team led by the President Mr. Khadga B. Bisht met with the Honorable Chairperson of the Constituent Assembly of Nepal Mr. Subash Chandra Nembang on 22 July, 2015 to hand over the comments compiled on the draft Constitution of Nepal 2072

regarding the Water and Natural Resource Management. Chairperson of the Constituent Assembly gave his assurance that Constitution Drafting Committee and Committee on Citizen Relations and Public Opening Collection will deliver these comments to the respective

Constitutional - Political Dialogue and Consensus Building Committee. Similarly the IPPAN team led by its President handed over the same copy of the comments made upon the draft Constitution of Nepal to the Former Prime Minister Dr. Baburam Bhattarai on 29th July, 2015.

IPPAN Press Meet : Discussion on damages done to the Hydropower Projects by the recent devastating earthquake



Independent Power Producers' Association, Nepal (IPPAN) on 12th June, 2015 had organized a press meet to discuss on the damages done to the Hydropower Projects by the recent earthquake. On April 25, a powerful earthquake and innumerable series of aftershocks that followed the main devastating shock had damaged around 14 hydropower plants across the country resulting in the loss of 82 MW of electricity from the country's power grid.

Bhotekoshi, Mailung Khola, Siuri Khola, Sunkoshi, Upper Chaku, Lower Chaku, Middle Chaku, Bhairavkund, Baramchi, and Mathilo Handikhola (1MW) among others have been halted. Last August, transmission towers of the Upper Bhotekoshi were damaged by the landslides along the Araniko Highway halting the power generation. Even the Sunkoshi Small Hydropower Project was damaged by the Jure landslide last year.



IPPAN had suggested Nepal government to announce compensation packages and also requested to introduce policy reforms so that they would be able to repair the projects at the earliest. The total cumulative loss of the hydro projects stands at the tune of Rs 3 billion. IPPAN also advised the government to conduct a geological study and hazard mapping on river basins to prevent further possible damages. IPPAN EC members and general members, representatives from the earthquake victim projects and energy oriented journalists were also present during the press meet.

Meeting with the new Energy Minister to discuss the unofficial blockade by India and to declare the National Energy Emergency



IPPAN Delegation Team led by President Mr. Khadga B. Bisht met with the Honorable Deputy Prime Minister and Energy Minister Mr. Top Bdr. Rayamajhi on 2nd November, 2015 along with IPPAN advisors, Executive Committee Members and Members. President, Mr. Khadga B. Bisht congratulated the new minister on his appointment and presented the Hydropower Book, published by IPPAN.

During the meeting with the newly appointed Deputy Prime Minister and Energy Minister, IPPAN urged the

minister to adopt needful measures for becoming self-sufficient on energy by formulating a national energy security policy and National Energy Emergency by identifying and promoting new energy sources and hydro power and ultimately ending monopoly on the import of petroleum products from India. Country's dependency is increasing due to many factors including NEA's conservative energy forecast and thus conditional power purchase agreements, electricity tariff and lackluster attitude of government authority while dealing with IPPs. IPPAN also apprised the energy minister that

development of hydropower can save over Rs. 40 billion annually that the country spends to import LP gas.

IPPAN also requested the Minister of Energy to introduce single desk services while declaring the National Energy Emergency with adopting fast track services in land acquisition, forest clearance and license issues and to come up with the short-term, mid-term and long-term visions and action plans to address the problems of energy crisis is facing the country.

IPPAN's View on Energy Emergency

- Declare the Energy Emergency and set a target to develop 10,000 MW hydroelectricity
- Formation of a One Desk Approval system
- Reviving genuine projects that were cancelled by the Ministry after recommendation from the CIAA
- BOT based transmission line to the private sector
- Link PPA rate with consumer tariff
- Application date of Rs. 50 lacs/MW subsidy from Chaitra, 2068
- Sign Power Purchase Agreement (PPA) at take or pay basis
- Prioritize construction of reservoir based hydropower projects

IPPAN Press Meet to declare Energy Emergency and National Energy Policy

Independent Power Producer's Association, Nepal (IPPAN) on 2nd November, 2015 organized a press meet to urge Nepal Government to declare Energy Emergency as the country has been suffering from an energy crisis along with a unofficial blockade imposed by the Indian government.

IPPAN said that Nepal has no other options except harnessing its hydropower potential to meet the local demands of energy for a longer term. "Emergency is an extraordinary situation and government needs to deal with the issues of energy security separately and not take it lightly as it had done earlier." IPPAN asked Nepal government to specify special provisions while declaring energy emergency and also suspend some laws that prevent rapid development of



hydropower of which the country has tremendous potentials.

IPPAN also suggested the government to take some measures immediately like diversifying the import of petroleum, de-

veloping appropriate strategic petroleum reserves and focus on the development of hydropower. The country should start the projects that are ready for implementation at the earliest, which are Budhi Gandaki (1200 MW), Nalsing Gad (400

MW) and West Seti (750 MW). IPPAN has also suggested developing Budhi Gandaki in company model issuing initial public offering (IPO)

IPPAN also reiterated that the unofficial blockade imposed by India has affected the work of projects that are under construction due to lack of diesel. In this fiscal year, 18 projects including 8 operational projects which were affected by the recent earthquake of total capacity, approximately 222 MW is expected to be commissioned from the IPPs will also be delayed due to lack of diesel.

IPPAN also suggested Nepal government to adjust electricity tariff, sign PPA at take or pay basis, and to prioritize construction of reservoir based hydropower project.

UPCOMING PROGRAM

Workshop on "Consensus and Capacity Building in Hydropower Projects"

IPPAN is going to organize a two-day workshop on "Capacity and Consensus Building in Hydropower Projects" in March, 2016 at Daduldhura. This will be the second workshop, first one which was organized in April, 2015 at Pokhara.

The main objective of the training workshop will be facilitating the implementation of hydropower projects

and transmission line projects through capacity and consensus building among local stakeholders. The workshop intends to initiate an objective of capacity building amongst the local politicians, local authority and the local journalists and thereby create a model of communicative platform between the local level and the project developer. IPPAN has a plan to carry out such workshop in five different regions of Nepal.

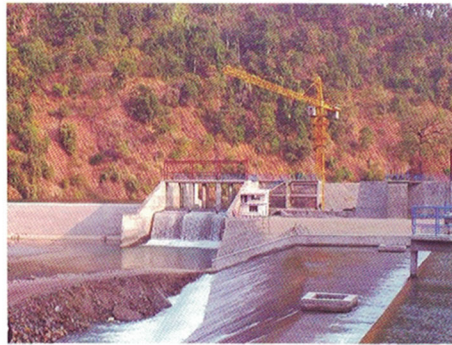
"Disaster preparedness Training Program"

IPPAN together with International Centre for Hydropower (ICH) is going to organize a training course on "Disaster Preparedness" in February, 2016. This will be the tailor made program which will basically cover preparedness and safety related to floods, earthquakes and dam safety.

Sanima Hydro: Mai Hydropower Project (22 MW) connected to National Grid

Mai Hydropower Project (22 MW) - MHP under Sanima Mai Hydropower Limited is completed. MHP is located at Danabari, Chisapani and Soyak VDCs of Ilam district. It is a run of river project with installed capacity of 22 MW. The discharge is 23.43m³/s and gross head is 122.1m. Net energy production is 125.14 GWhh whereas dry season energy is 22.11 GWh and wet season energy is 103.03 GWh.

22 MW of electricity generated from MHP was evacuated through 132 kV transmission line under first phase of Kabeli corridor on October 6, 2015. Despite completion of construction and all required tests in December 2014, project was not able to supply its full capacity energy due to lack of transmission line. MHP was delivering around 4 MW through temporary arrangement of Nepal Electricity Authority- NEA's 33kV before connecting to 132kV. Kabeli corridor is planned to connect 140 MW electricity generated from ten projects to the national grid. The second phase work still needs high attention to be completed.

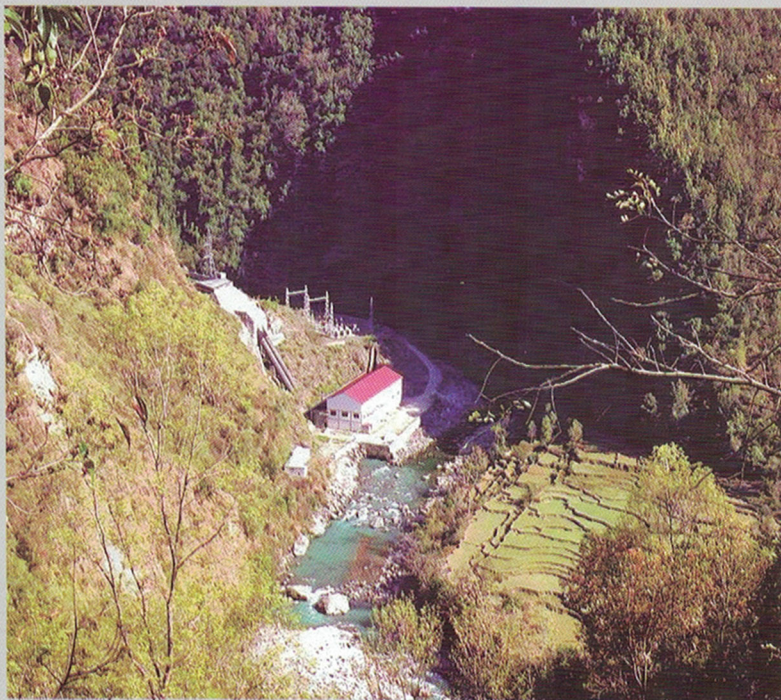


MHP is built with 75:25 debt/ equity. Among equity portion 70 percent financing is done by Non-Resident Nepalese and other Nepalese investors whereas 10 percent by locals and 20 percent by the general public through an initial public offering. Similarly, Mai Cascade Hydropower Project (7 MW) - MCHP is under final phase of electricity generation.



Sunkoshi Small Hydropower Plant (2.6 MW) - SSHP under Sanima Hydropower Limited (SHL) had been supplying electricity to the national grid since March 2005. The Jure landslide of August 2014 and resultant landslide dammed lake completely inundated the power plant for 36 days damaging entire powerhouse and electro-mechanical equipments. After ten months of hard working of rebuilding power plant, massive earthquake of April 2015 further damaged powerhouse building, waterways and headworks structures. Despite such huge loss, SHL has started the re-construction works and hopefully by January 2016; the plant will be ready to supply electricity to national grid.

Lower Modi-1 Hydropower Project resumes operation



Lower Modi-1 Hydropower Project which was damaged due to the flood in the Modi river start production generation from 15th December, 2015. The project was failed to generate after the flood entered into the powerhouse. Powerhouse was fully submerged by the water and debris due to the flood in the Modi river.

The project is located at Chuwa, Kusma, Parwat district which was commissioned on November, 2014. The United Modi, developer of Lower Modi-1 is also going to develop the Lower Modi-2 HEP (10.5 MW) as cascade project which is the upstream of the Lower Modi-1 HEP which is now at study phase.

Hydro Empire Pvt. Ltd will complete Upper Myagdi HEP by year 2019

Hydro Empire Pvt. Ltd. has undertaken Upper Myagdi HEP located in Modi VDC, Myagdi district of 20 MW producing 114.31 GWh of energy annually to complete by year 2075. The power house of the project is located 25 kms. away from Durbang, 2nd biggest town on Myagdi district after Beni, catchment area is located further 3 km. away from the power house. This project has got generation license from DoED at the end year 2070. And exactly one year after PPA has been done with NEA. Currently, this project is constructing the access road to project site and is heading towards the end of financial closure.

Hydro Care Pvt. Ltd.



China's Chongqing Sava Electromechanical Equipment Co., LTD (CSEC) and Hongya Power Generating Equipment to Utilities Limited (HPGE) signed a joint venture (JV) agreement with Nepali Shareholders to set up company with vision to provide total Elector-Mechanical Equipment solution for Hydropower Project with name of Hydro Care Private Limited. CSEC is Chinese Company and its main businesses are hydroelectricity project design, complete E&M equipment supply, E&M equipments turnkey, project turnkey, project operation management, etc.

HPGE is one of state designated manufacturer specialized in manufacturing small and medium-sized hydropower equipments which focuses on research and development of water turbine, generator, speed governor and hydraulic hardware etc. Hydro Care Private Limited provides Water to Wire Package, Testing, Operation and Maintenance, Operation and Maintenance Contract, Construction Management & Site Supervision, Rehabilitation Works for Hydropower Projects.

PHOTO GALLERY



13th AGM of IPPAN



Meeting with former VC, NPC Prof. Dr. Govinda Raj Pokharel



IPPAN President and Vice President participated in World Hydropower Congress, China



Meeting with former Finance Minister Dr. Ram Saran Mahat



Meeting with Energy Minister Mr. Top Bdr. Rayamajhi



President of IPPAN Presenting a paper on Energy Security



Meeting with USAID Team



C & C Program at Pokhara



Meeting with Former Energy Minister Ms. Radha Kumari Gyawali



Meeting with Norwegian Embassy



Meeting with New Energy Secretary Mr. Suman P. Sharma



Meeting with Governor, NRB



Meeting with IFC, Nepal



IPPAN-IFC Workshop on Hydropower Project Financing



Meeting with Vice Chairman, National Planning Commission



C & C Program at Pokhara



Meeting with Deputy- Governor, NRB



Meeting with NEA, MD



Meeting with Security Board, Nepal

LIST OF IPPAN MEMBERS

Corporate Members

S.No.	Name of Company	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.	4446442/4441277
8	Annapurna Renewable Energy (P) Ltd.	4414519
9	Khudi Hydropower Ltd.	2053003
10	Himalayan Hydropower Pvt. Ltd	4112091
11	Rairang Hydropower Devt. Co. Ltd.	9757009243/ 5111015/ 5111016z
12	Mai Valley Hydropower Pvt. Ltd.	2052566/ 5522869
13	Manang Trade Links (P) 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.	5548573/5555574
19	Muktishree Pvt. Ltd.	4785839/4785838
20	Cemat Power Dev. Co (P) Ltd.	5539891/5539792
21	Ru Ru Jalbidhyut Pariyojana Pvt. Ltd.	4357563/4389703
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. (P) Ltd.	4033750/4033755
27	Shikhar Hydropower Co. Pvt. Ltd.	4033750/4033755
28	Ankhu Hydropower (P) Ltd.	4033750/4033755
29	Annapurna Group (P) Ltd.	4229222/
30	Grid Nepal Company Pvt. Ltd.	4442049/4436585
31	Welcome Energy Devt. Co. (P) Ltd.	9851095497
32	Nepal Hydro Developer Pvt. Ltd.	4441131/4441973
33	Dordi Khola Jalabidyut Co. Ltd.	4232749/ 4232748
34	Himalayan Power Partner Pvt. 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	Rara Hydropower Devt. Co. Pvt. Ltd.	4033016
40	Sanima Mai Hydropower Ltd.	4446442/4441277
41	Tara Energy Pvt. Ltd.	5555707/5555701
42	Nimrung Hydropower Co. Pvt. Ltd.	4102651
43	River Falls Hydropower Devt. Pvt. Ltd.	4238159
44	Ngadi Group Power Limited	4238159
45	Baishno Devi Hydropower Co. Pvt. Ltd.	4228816
46	Synergy Power Development Pvt. Ltd.	4440433/9851003846
47	Energy Engineering Pvt. Ltd.	4478225/9851015956
48	Upper Mai Hydro Devt. Pvt. Ltd.	5010631/5522869
49	GMR Upper Karnali Hydropower Ltd.	5260259/5260518
50	Lower Arun Hydro Electric Pvt. Ltd.	4247237

S.No.	Name of Company	Tel/Fax
51	Sinohydro-Sagarmatha Power Co. (P) Ltd.	4376664/4378378
52	Essel - Clean Solu Hydropower Pvt. Ltd.	4423286/4260266
53	Chirkhwa Hydropower Pvt. Ltd.	4033016
54	Mailun Khola Hydropower Co. Pvt. Ltd.	4432372/4419703
55	Liberty Energy Hydropower Co. Ltd.	4238241/4226946
56	Sikles Hydropower Pvt. Ltd.	061-523557/061-523593
57	Hira Ratna Hydropower Pvt. Ltd.	4424619/4226330
58	Ambeshwor Engineering Hydropower Pvt. Ltd.	5000075/5000300
59	Alliance Power Nepal (P) Ltd.	4233318/
60	Jumdi Hydropower (P) Ltd.	9841447281
61	Mount Kailash Energy Company Pvt. Ltd.	4387869/4350870
62	Daraudi Kalika Hydro P. Ltd.	4439152/4439155
63	C.E.D.B. Hydro Fund Ltd.	4251080/4260266
64	Nepal Water & Energy Development Company	4412257/4412557
65	Kalanga Hydro Pvt. Ltd.	5551546/5552905
66	Eastern Hydropower (Pvt.) Ltd.	5550587
67	Sanvi Energy Pvt. Ltd.	4415513
68	Dovan Hydropower Pvt. Ltd.	6214401/ 9851125161
69	Triyog Energy and Development Pvt. Ltd.	5528571
70	United Modi Hydropower (P) Ltd	4770886/4770884
71	Bhairabkunda Hydropower Pvt. Ltd.	4418319/4420108/ 4418131
72	Tamor Sanima Energy Pvt. Ltd.	4415022
73	Panchthar Power Co. Pvt. Ltd.	5251003/5251004
74	Idi Hydropower Company Pvt. Ltd.	9851018118
75	Ankhu Khola Jalvidhyut Co. Ltd.	4429789
76	Sunrise Hydropower Pvt. Ltd.	91-11-47624100
77	Consortium Power Developers Pvt. Ltd.	4462856/4462856
78	Chhyangdi Hydropower Pvt. Ltd.	4265146/4259582
79	Salankhu Khola Hydro Power Pvt. Ltd.	4390240/4390239
80	Trade Link Global Pvt. Ltd.	4244408
81	Puwa Khola One Hydropower Pvt. Ltd.	016911637/4417121
82	Madi Power Pvt. Ltd.	4437305/4417372
83	Hydro Venture Pvt. Ltd.	4015805/4015806
84	Terathum Power Company (P) Ltd.	4240661
85	Peoples Hydropower Co-operative Ltd.	4781891/4785671
86	Bindhyabasini Hydropower Development Co. Pvt. Ltd.	4781891/4785671
87	Jhyamolongma Hydropower Devt. Co. Pvt. Ltd.	5520254/5012027
88	Hydro Empire Pvt. Ltd	4154879
89	Sayapatri Hydropower Pvt. Ltd.	4464508/4464509
90	Molung Hydropower Co. Pvt. Ltd.	4670518/4670442
91	Shiva Shree Hydropower (P) Ltd.	4222042/42221288
92	Baneshwor Hydropower Pvt. Ltd.	4238159/4373020
93	Pokhari Hydropower Company Pvt. Ltd.	4438203
94	Blue Energy Pvt. Ltd.	4233516/4233514
95	Super Mai Hydropower Pvt. Ltd.	9818785021
96	Barun Hydropower Company Ltd.	4102757
97	Union Hydropower Pvt. Ltd.	5525406/5525406
98	Madhya Midim Jalabidhyut Co. Pvt. Ltd.	4241291
99	Garjang Upatyaka Hydropower Ltd.	4481377
100	Peoples' Hydropower Company Pvt. Ltd.	4229124/4262146
101	Upper Solu Hydro Electric Company Pvt. Ltd.	4442557/4430194
102	Himalayan Urja Bikas Co. Ltd.	4111853/4111674

Associate Members

S.No.	Name of Company	Tel/Fax
103	Shangrila Energy Ltd.	4431545/ 4439267
104	Clean Energy Development. Bank Ltd.	4671444/ 4277013
105	Klen Tech Pvt. Ltd.	4218888/ 4430396
106	STATKRAFT HOLDING SINGAPORE PTE. LTD.	5521864/ 5536411
107	Nepal Hydro & Electric Ltd.	4785136/ 4781851
108	ICTC Pvt. Ltd	4434895/ 4434937
109	Himal Hydro & General Construction Ltd.	5000478/5000477
110	Hydro Solutions Pvt. Ltd.	4033751/4033755
111	Jyoti Bikash Bank Ltd.	4168605/4442192
112	Nabil Bank Ltd.	4227181/4226905
113	Himalayan General Insurance Co. Ltd.	4231788/4241517
114	Standard Chartered Bank Nepal Ltd.	4782333*447 ext/ 4780762
115	Bank of Asia Nepal Ltd.	4263212
116	Sanima Bank Ltd.	4428979/4428969
117	Sunrise Bank Ltd.	4004560/4422475
118	Nepal Investment Bank Ltd.	4225273/4245688
119	ACE Development Bank Ltd.	4441110/4445554
120	Feedback Ventures Nepal Ltd.	4169104/4169106
121	Qiankang Allonward Hydro-Equipment Co. Pvt. Ltd.	4228816/4223570
122	Structo Nepal (P) Ltd.	5521192, 5541289 /5542118
123	Siddhartha Bank Ltd.	4442919/4442921
124	Laxmi Bank Ltd.	4444684/4444640
125	Grand Bank Nepal Ltd.	4168605/4168609
126	K-water (Korean Water Resources Corporation)	4442117
127	Jade Consult Pvt. Ltd.	4247237/4232171
128	Mahavir Shreee International Pvt. Ltd.	4110860/4110855
129	GCE Group Pvt. Ltd.	4222202
130	Ghatal Trading & Suppliers Pvt. Ltd.	4467461
131	NRNA NCC Russssia	7255093999
132	Jin Long Hydropower Equipments Co. Pvt. Ltd.	5013037
133	Chongqing Savan Electromechanical Equipment Co. Ltd.	4620235
134	Pioneer Law Associates	4221340/4261000
135	Global IME Bank Ltd.	4002507/4441502
136	NRN Investment Limited	4002638/4002639
137	Dolma Advisor Pvt. Ltd.	4431376
138	Neupane Law Associates	4101631



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