

EDC COMMUNIQUE

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Editorial

Creating Awareness among household consumers for Cooking on Electricity

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ADVISORY PANEL MEMBER
ENERGY DEVELOPMENT COUNCIL

As per the World Energy Outlook (2017), International Energy Agency (IEA), electrification is the key focus now in the global energy arena, with a particular emphasis on electrification by clean and renewable energy sources. This endeavor is no doubt linked with the Paris Agreement in 2015 and the UN's Sustainable Development Goals (SDGs) program, along with the global commitment to reduce the adverse impacts of climate change and keep the rise in global temperatures within the limit of 1.5 °C by the end of the century.

More than 50 percent of Nepal's total primary energy supply

(TPES) is expended by cooking in the household sector, whereas transport and industries account for only 10 percent each of the TPES in 2018. Furthermore, statistics of the World Health Organization (WHO) show that almost 25,000 women and children die every year because of indoor air pollution caused by cooking on solid biomass fuels (e.g. firewood). In the urban areas, more than 50 percent of household consumers are more than dependent on liquified petroleum gas (LPG) for cooking purposes. Additionally, Nepal completely relies on imports of petroleum products, which increased by 40 percent to NRP 150 billion in 2018 compared to 2017. LPG imports alone account for NRP 25 billion, which is increasing by approximately 20 percent every year. Under this impression, Nepal currently appears to be heading towards a high-carbon economy rather than pursuing a low-carbon economy development—which is popular and prevalent in the global economic development programs and activities. Meanwhile, Nepal is still subsidizing NRP 200 per LPG cylinder, which comes out to be approximately NRP 10 billion on average per year. Theoretically, such an

amount would subsidize a 50 MW hydropower plant each year, however this remains unpursued and going by the trends, the amount of lost potential will only increase much higher.

Analysis of household fuel economics for cooking for the past several years indicates that cooking on electric induction cook tops is cheaper than cooking on LPG for an average urban household by 40 percent, even without subsidy. This is because electric induction cooktops are roughly 50 percent more efficient thermally than their traditional LPG counterparts. For sustainable development and achieving SDGs, Nepal Government should be involved in creating awareness among household consumers to cook using electric cooktops. Additionally, governmental activities should be implemented towards effective electrification in the household sector on a priority basis. This will not only enhance energy security in the country but also have a positive impact on the balance of payment of the country. Furthermore, many premature deaths caused by poor indoor air quality can be avoided, since cooking by electricity is virtually emission-free.



EDC ACTIVITIES

17th May, 2019

“Increase customs duties on petroleum vehicles by 200% to bring Electric Age in Nepal”



Chairman of EDC, Mr. Sujit Acharya along with the President of EVAN Mr. Umesh Raj Shrestha interviewed by Energy Focus.

Youtube: <https://www.youtube.com/watch?v=vuezdsasy0I&t=27s>

17th May, 2019

Felicitations to the newly appointed Chairman of Nepal Electricity Regulatory Commission (NERC)



EDC delegation including its executive committee members and other members visited Mr. Dilli Bahadur Singh, Chairman of Nepal Electricity Regulatory Commission (NERC) on 17th May to extend felicitations for his newly appointment.



EDC ACTIVITIES

15th May, 2019

“Understanding the Supply of Renewable Energy”



Nepal Economic Forum invited Ms. Itnuma Subba, CEO of EDC as a panelist to the session “Understanding the Supply of Renewable Energy” that took place on 15th May 2019 at Hotel Himalaya, Lalitpur. In the same panel were other EDC members: Mr. Kushal Gurung, CEO of WindPower Nepal, Mr. Anjal Niraula, CEO of Gham Power Nepal Private Limited, Mr. Abhishek Adhikary, Project Manager, Nepal Electricity Authority and

Dr. Sandip Shah, Managing Director of Dolma Himalayan Energy. Major takeaways from the Neftalk were: Hydro will remain the major source of energy but renewable should be mixed in major percent, renewables should be made price-competitive, stable legal and regulatory framework need to be put in place.

29th May, 2019

EDC member’s meeting



EDC members’ meeting was held on 29th May at its office, representatives present were from both hydro and solar sector. The discussion identified the need to understand the positive impact of NERC in renewable energy sector in Nepal. The program schedule of the upcoming Electric Vehicle Promotion Conference on 26th June taking place at Hotel Himalaya, Lalitpur, was also discussed.



EDC ACTIVITIES

TenderNotice.com.np | Month: May, 2019

S.No.	Notice Publisher	Description	Published Date	Notice Category	Product Service
1	Tamakoshi Jalvidyut Company Limited, Tamakoshi V Hydroelectric Project, Kathmandu	Shortlisting Notice	5/31/2019	Short Listing Notice	Other Product /Services
2	Chilime Hydropower Company Limited, Chilime Hydropower Plant	Design, Manufacture, Supply, Installation and Commissioning of Desander-Gate, Mechanical Trolley and Construction of Toilet and	5/30/2019	Quotation	Other Product /Services
3	Tamakoshi Jalvidyut Company Limited, Tamakoshi V Hydroelectric Project, Kathmandu	Supply and delivery of Motorbike and Laptop	5/28/2019	Tender	Other Product/ Services
4	Tanahu Hydropower Limited, Thapathali	बोलपत्र स्वीकृत गर्ने आशय	5/24/2019	Award Notice	Other Product/ Services
5	Upper Tamakoshi Hydropower Limited, Upper Tamakoshi Hydroelectric Project, Hyaneshwor	Amendment Notice	5/24/2019	Amendment Notice	Other Product/ Services
6	Power Grid Corporation of India Limited	Observing Discharge and Silt Data, Supply of Street Lights	5/24/2019	Tender	Consulting
7	SJVN Arun-3 Power Development Company (P) Ltd., Khandbari, Nepal	Shortlisting of Expert's Rooster	5/20/2019	Tender	Other Product/ Services
8	Betan Karnali Sanchayakarta Hydro Power Company Ltd, Durbarmarg	Construction of Compound Wall	5/19/2019	Application	Other Product/ Services
9	Upper Tamakoshi Hydropower Limited, Upper Tamakoshi Hydroelectric Project, Hyaneshwor	Preparation of Expert's List	5/19/2019	Tender	Construction/ Building
10	Betan Karnali Sanchayakarta Hydro Power Company Limited, Durbarmarg, Kathmandu	Hiring of Catering, Housekeeping and Secretarial Services, Hiring of Security Service and Supply	5/18/2019	Shortlisting Notice	Other Product/ Services
11	SJVN Arun-3 Power Development Company (P) Ltd., Khandbari, Nepal	Opening of Tender	5/18/2019	Tender	Other Product/ Services
12	SJVN Arun-3 Power Development Company (P) Ltd., Khandbari, Nepal	Supply and Delivery of SUV	5/16/2019	Tender	Other Product/ Services
13	Tamakoshi Jalavidyut Company Limited	Sale of Vehicles	5/15/2019	Tender	Automotive/Vehicles
14	Butwal Power Company Ltd, Buddhanagar, Kathmandu	Extension of Time for Submission of EOI	5/15/2019	Quotation	Automotive/Vehicles
15	Uttarganga Power Company Limited, Durbarmarg, Kathmandu	Supply and Delivery of Double Cab Pickup	5/7/2019	Time Extension	Other Product/ Services
16	Uttarganga Power Company Limited, Durbarmarg, Kathmandu	Auction Sale of Vehicles and Steel Plates	5/5/2019	Tender	Automotive/Vehicles
17	Dibyashwari Hydropower Limited, Old Baneshwor, Kathmandu	Sale of Vehicles	5/3/2019	Proposal	Auction
18	Upper Solu Hydroelectric Company Ltd, Hattisar, Kathmandu	Observing Discharge and Silt Data at DAM G&D Site and Supply and Transportation of	5/3/2019	Tender	Automotive/Vehicles
19	SJVN Arun-3 Power Development Company (P) Ltd, Khandbari, Nepal	Supply and Delivery of Laptop Computer and Vehicle	5/2/2019	Tender	Other Product/ Services
20	Trishuli Hydropower Co. Ltd., Vansthal, Kathmandu	Supply and Delivery of Laptops and Vehicles	5/1/2019	Tender	Other Product/ Services



NEPAL'S PERSPECTIVES

5th May, 2019

NEA PLANS TO SET UP 10 ELECTRIC VEHICLE CHARGING STATION IN VALLEY

In a bid to promote the government's plan to prioritise electric vehicles over vehicles that run on fossil fuels, Nepal Electricity Authority (NEA) has announced that it will set up 10 electric vehicle charging stations across Kathmandu Valley within the next six months.

The power utility has recently published a notice seeking land space for lease for the establishment of such vehicle charging stations. NEA has urged government agencies, business complexes, supermarkets, hotels and hospitals to submit applications.

Lila Kumari Aryal, information officer of NEA, said that the authority aims to set up electric vehicle charging stations especially in areas where vehicular movement is relatively high.

"We will give priority to leasers especially from areas with high vehicular movement," she said.

NEA plans to publish a tender notice for the procurement of necessary machinery and equipment to set up charging stations within the next few days. The authority has estimated the construction cost of the 10 electric vehicle charging stations to stand at

around Rs 100 million.

Following the establishment of the electric charging stations in the Valley, NEA also plans to set up such charging stations across different places in Pokhara, Nepalgunj, Chitwan and Biratnagar.

Along with the government's priority for electric vehicles and growing concern regarding pollution issues, the demand for electric vehicles has increased in the country in recent years. NEA estimates that there are almost 600 electric vehicles plying on the Valley's roads. However, owners of such electric vehicles have been forced to charge their vehicles at home owing to the lack of charging stations.

Automobile dealers have also said that the demand for electric vehicles has been increasing in recent years due to low cost factor of such vehicles.

In the policies and programmes of the government unveiled on Friday, the government has announced about giving special treatment to electric vehicles and setting up charging stations for such vehicles across the country.

23rd May, 2019

KMC FOCUSING ON OPERATION OF ELECTRIC VEHICLES



The Kathmandu Metropolitan City (KMC) is to operate electric vehicles in its bid to reduce air pollution in the city. KMC mayor Bidya Sundar Shakya said this in his address to a seminar on 'Impact of Garbage in Climate Change', organized by KMC here on Wednesday.

He said discussions were on with the bodies concerned regarding operating electric vehicles as doing so would drastically reduce vehicular emission thereby bringing some improvement in the environment.

Mayor Shakya stressed on collective efforts from all sectors in the sustainable management of household waste in the Kathmandu valley for stopping the impact of such waste in climate change.

Deputy Mayor Hariprabha Khadgi (Shrestha) emphasized on bringing change in individuals and behavior for the sustainable management of waste. On the occasion, environmentalist Bhusan Tuladhar presented a paper on the impact of city waste on climate change. The paper has made several recommendations to that end.

MEMBERS





MEMBERS



ABHINAWA LAW CHAMBERS
advocates & legal consultants

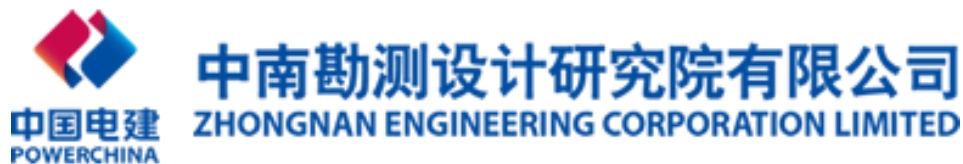




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Energy Development Council (EDC) is a non-profit umbrella organisation of the entire energy sector of Nepal established to ensure every Nepali has access to energy and energy security by promoting favourable policies and investments. EDC consists of Energy Developers, Energy Associations, Energy Consumers, Energy Financiers and other funds, Consumer Institutions, Energy Contractors from both private and government sectors involved in hydropower, solar, wind and other renewables, generating more than 80 percent of the nation's total electricity.



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