



# NRNs as nodal points in energizing power sector

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# About NRNA

- ▶ Voluntary association of 5 million non-resident Nepalis all over the world (except SAARC countries)
- ▶ For Nepali by Nepali is our motto
- ▶ Established in 2003 with its headquarters in Kathmandu
- ▶ Present in 78 countries
- ▶ Over 70,000 registered members
- ▶ Recognized by Nepal Government
- ▶ The association may not do business on its own but do assists in promoting business
- ▶ Have undertaken many philanthropic and charity works
- ▶ NRNA has initiated “Ujyalo Nepal” campaign



# Potentials of NRN

- ▶ Non Resident Nepalis are the most effective contact points for anything related to Nepal, all over the world
- ▶ Network of 5 million Nepalis around the globe
- ▶ We are rich in knowledge, experience and resources
- ▶ We are willing to be nodal points because we want Nepal to be prosperous
- ▶ Our hearts beat for Nepal



# Contributions of NRNs in energy sector

- ▶ Hundreds of individual NRNs have invested millions of dollars in hydropower
- ▶ Sanima Group started with Sunkoshi (2.6 MW), and Sanima Mai (22 MW), both are operational now. Sanima is also doing Middle Tamor (75MW), Swet Ganga (28.1 MW), and contemplated Tamor Sanima (285MW)
- ▶ NRN Infrastructure and Development Limited (an investment company focusing on hydropower) is involved in Swet Ganga and Middle Tamor
- ▶ NRN IDL is also involved with Himalayan Power Partner Limited in Dordi Khola Project (27 MW)
- ▶ NRNA has recently pledged USD 100 million in infrastructure development



# TBI Group in energy Sector

- ▶ TBI Group is my personal venture
- ▶ We have been awarded survey license for Tamakoshi third (650MW)
- ▶ Have invested in several energy projects as joint promoter (220 MW, 132 MW, 6.5 MW, 2.5 MW)
- ▶ We have pledged USD 50 million in development of renewable energy sector in Nepal (apart from hydro power)
- ▶ TBI is promoting electric vehicles in Nepal
- ▶ We are planning to set up an electric vehicle production plant
- ▶ We are in joint-venture negotiations in solar panel plants in Nepal



# NRNs as nodal points for investment

- ▶ We speak the language and understand the law of the land of Nepal and the prospective investing country
- ▶ Potential investor rely on a local Nepali residing in their own country
- ▶ NRNs have access to vast knowledge resource
- ▶ Nepalis have attained highest level of expertise in energy sector
- ▶ We also have our own resources to promote projects
- ▶ NRNs are the major source of remittance



## Renewable energy and NRNs expertise

- ▶ Nepal is generating 99.99 percent of its electric energy from hydropower
- ▶ It also needs to explore other sources of renewable energy
- ▶ Solar power, wind power, bio-mass and other sources of energy are possible in Nepal
- ▶ But Nepal severely lacks technology and expertise in these other sources of renewable energy
- ▶ NRNs can act as the point of contact and resources



# Experts in renewable energy - Solar

Source: International Energy Association

Country	Year	Solar Power (Gwh)	% of renewables in total energy
China	2015	45,225	24.32
Germany	2015	38,400	32.70
USA	2015	35,635	14.27
Japan	2015	24,506	15.53
Italy	2015	22,311	45.9





# Experts in renewable energy - Wind

Source: International Energy Association

Country	Year	Wind Power (Gwh)	% of renewables in total energy
USA	2015	192,992	14.27
China	2015	185,766	24.32
Germany	2015	88,000	32.70
Spain	2015	52,000	30.99
India	2015	42,790	19.11



# Experts in renewable energy - Biomass

Source: International Energy Association

Country	Year	Biomass Power (Gwh)	% of renewables in total energy
USA	2015	61,417	14.27
China	2015	52,700	24.32
Germany	2015	50,000	32.7
Brazil	2015	49,039	
Japan	2015	35,253	



# Experts in renewable energy - Geothermal

Source: International Energy Association

Country	Year	Geothermal Power (Gwh)	% of renewables in total energy
USA	2015	18,727	14.27
Philippines	2015	10,250	29.62
Indonesia	2015	9,417	12.01
New Zealand	2015	6,194	72.93
Italy	2015	5,928	45.9



# 13 countries leading in renewable energy

- ▶ Iceland
- ▶ Costa-Rica
- ▶ UK
- ▶ Uruguay
- ▶ China
- ▶ USA
- ▶ Sweden
- ▶ Nicaragua
- ▶ Germany
- ▶ Denmark
- ▶ Morocco
- ▶ Kenya
- ▶ India



# NRNA is in vantage position

- ▶ We are present in most of these countries
- ▶ We know what to achieve from where
- ▶ We can make it cheap and affordable
- ▶ We are willing to be promoters
- ▶ We are willing to be experts
- ▶ We are willing to be supporters
- ▶ We can replicate success of these countries in Nepal



# Thank you !

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