

2nd PARTNERSHIP FORUM



**Women in Power Sector
Professional Network in South Asia
(WePOWER)**



ADB headquarters, Manila | 20–21 November 2019

ADB Deep-Dive Lateral Learning Program for Energy Sector Utilities in South Asia

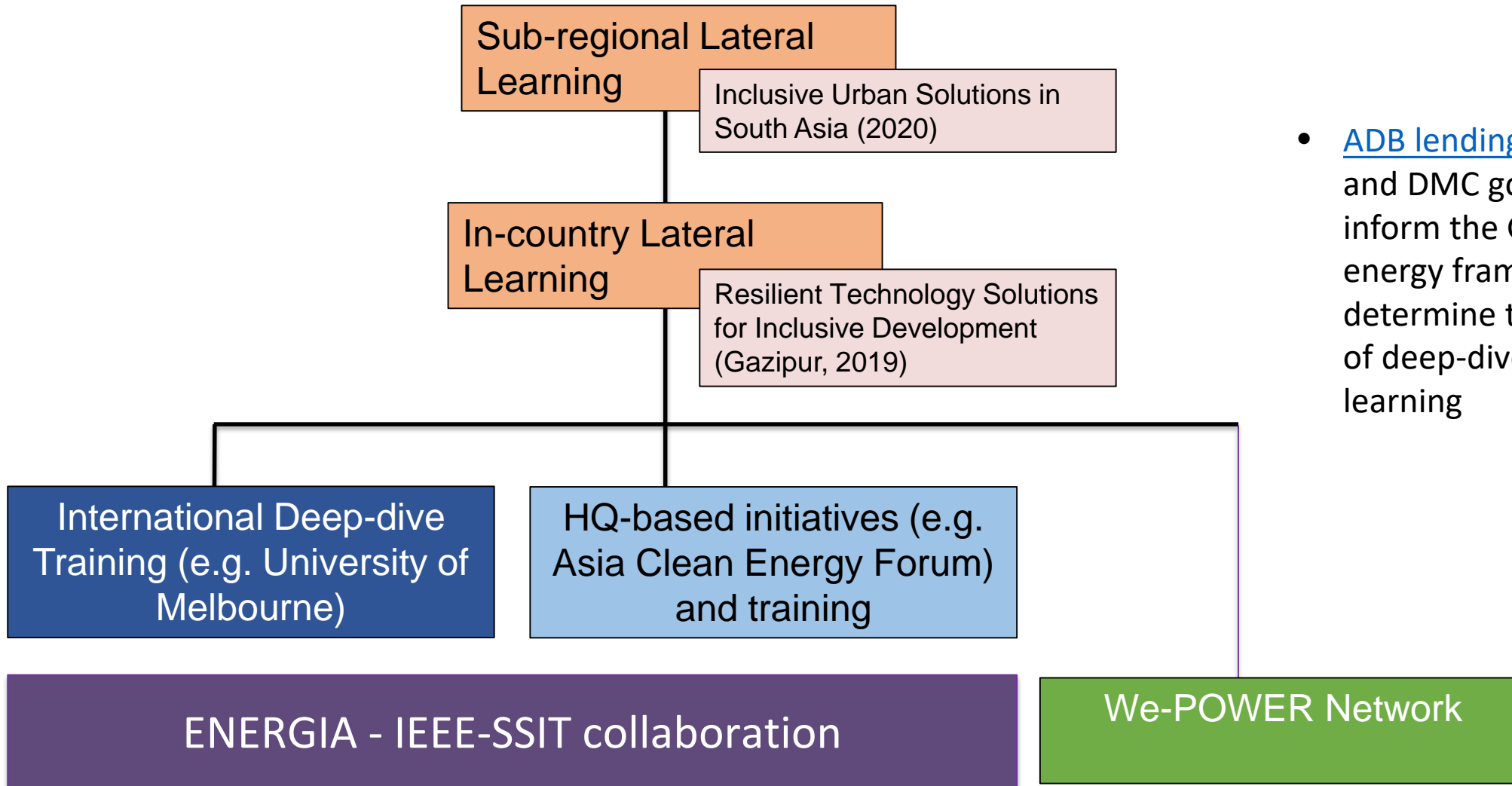
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(1) ADB South Asia Department: GESI and energy framework



- [ADB lending portfolio](#) and DMC governments inform the GESI & energy framework and determine the content of deep-dive and lateral learning

(1.a) ADB Lending Portfolio (Energy)

BHU: Rural Electrification & Network Expansion Project (2003) & JFPR 40001: Rural Electrician Training Program (2005) ▶ *semi-literate community-based trainer to solar warriors (solar lighting)*

IND: Gujarat Solar Power Transmission Project (2011) ▶ *solar parks: employment opportunities and energy-based livelihoods for semi-skilled and unskilled women*

NEP: Power Transmission and Distribution Efficiency Enhancement Project (2017) ▶ *training for Electricity User Cooperatives members on energy-based livelihoods; Electricity efficiency and safety awareness*

JFPR BHU: Renewable Energy Advancement Project (2020) ▶ *small-scale solar PV systems, with direct connection to the grid*

IND: MFF Rajasthan Renewable Energy Transmission Investment Program (2013) ▶ *mini-grids; solar-powered water pumps, water treatment plans & Solar powered lanterns*

NEP: SASEC Power System Expansion Project - AF (2018) ▶ *focus on BPL/FHH; mini hydro in selected training for technology promoters*

BAN: Bangladesh Power System Enhancement and Efficiency Improvement Project (2017) ▶ PBS community-based energy rural cooperatives (30% women members) trained in supporting and monitoring safe last-mile connectivity

JFPR

BAN: Rupsha 800 MW Combined Cycle Power Plant Project (2018) ▶ *10 kW solar system to support IT and science laboratories in schools*

JFPR

MLD: Preparing Outer Islands for Sustainable Electricity Development Project (2014) ▶ *smart hybrid grids; diesel savings and demand-side management; LED bulbs (energy efficiency) and users' awareness*

BAN: Southwest Transmission Grid Expansion Project [SGE] (2018) ▶ *scholarships and exposure visit targeting women and girls in STEM and energy-sector utilities*

SRI: Supporting Electricity supply reliability Improvement project (2016) ▶ *decentralized redistributed energy systems (water desalination plant and ice-making factory) and DSM (users' awareness)*

JFPR



(1.b) ADB Lending Portfolio (Education and Skills Development)

BHU: Skills Training and Education Pathways Upgradation Project (EGM) (2018)

Technical Training Institutes (TTIs) will train for emerging occupations by introducing additional courses. The project will:

- i. establish a new flagship TTI in Thimphu in a new campus with modern facilities and upgraded courses at diploma level;
- ii. provide green technology equipment and tools, including IT equipment, in five TTIs;
- iii. introduce at least 6 new courses, including at the middle and advanced (diploma) levels and in new disciplines.

SRI: Science and Technology Human Resource Development Project (GEN) (2019)

The project will support developing the applied science and technology faculties in 4 universities to nurture technology-oriented graduates equipped with market relevant skills and entrepreneurial spirit. The project will provide:

- i. innovative and industry-relevant technology education and research facilities;
- ii. help quality curriculum design and academic staffing aligned with international standards; and
- iii. provide competitive grant scheme and capacity development opportunities.

Setting corporate gender-related targets. Strategy 2030 –and related Gender Equity Operational Plan- set a range of gender-related targets relevant for the energy sector, which include:

- Women and girls' participation in nontraditional education and training increased [e.g. STEMs]
- Women's access to job skills improved [e.g. power (energy) sector]





(2) ADB Deep-Dive Training: Smarter, Inclusive Energy Solutions



- Series of **5-day Training Programs** at the University of Melbourne (Melbourne Energy Institute) in 2016, 2017 and 2019:
 1. **Peer-to-peer learning** on current trends and practices on inclusive smart grid technology systems and innovations to create more jobs and livelihood opportunities for women;
 2. **Enhance the capacity of energy sector leaders**, particularly **ADB executing and implementing agencies** to mainstream gender equality, women's empowerment and social inclusion issues in key aspects of energy sector development.




Total participants to date: 150 senior officials from government institutions, representatives from private energy corporations, international experts and ADB's social development team working in ADB's 6 developing member countries (DMCs) in South Asia, namely: Bangladesh, Bhutan, India, Maldives, Nepal and Sri Lanka.



(2.a) ADB
Deep-dive
Training: the
content

Topic 1: Technology & Society: Gender Responsive Technologies	Topic 6: Distributed Generation
Topic 2: Technological Innovation and the Smart Grid – Integrating Social Inclusion Criteria	Topic 7: ‘Smart’ & Green Cities: How Inclusive Energy Solutions Can Address Poverty And Inequity
Topic 3: Smart Grid Planning: Social Inclusion Criteria	Topic 8: Energy Efficiency
Topic 4: Electricity Markets	Topic 9: Institutional Culture Gender Equity and Diversity
Topic 5: Renewable Energy	Topic 10: Women in STEM – Science, Technology, Engineering and Mathematics



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(2.b) ADB
Deep-dive
Training: the
learning
approach

Encourages interactive platforms between participating partners. It features:

- Interactive lectures led by international experts;
- Panel sessions with overview presentations including case studies and moderated dialogues;
- Small group workshops which included problem solving exercises; and
- Site visits to the University's smart grid laboratory and industry sites.

