

# **SAARC ENERGY CONNECT**

# Country Co-operation Analysis

## Afghanistan

- Da Afghanistan Breshna Sherkat (DABS) created in 2008 to commercialise power sector
- 600 MW / Primarily Hydro power
- 50% consumption in Kabul
- 10 - 33% access / 274 kwh per person

## Opportunity areas for co-operation

- ADB + GOI built transmission line for import of power from Uzbekistan. **Number of other transmission infrastructure projects**
- **23,000 MW hydro potential but only 260 MW developed. Also potential for wind**
- **Regulatory framework needs to be put into place**

## Bangladesh

- 5823 MW / 4822 MW gas
- 28 – 76% access / 374 kwh per person
- 9322 ckm transmission lines
- Various utilities (BPDB, DESA etc). / Powergrid company of Bangladesh **(PGCB)**
- Opportunity areas for co-operation
- **500 MW power trading to get underway starting 05.10.13 apart from 1320 MW coal based power station at Rampal**
- **BERC efforts ongoing for functioning under the overall aegis of National Energy Policy**

# Country Co-operation Analysis

## Bhutan

- Bhutan power corporation / Ministry of Economic Affairs
- 1505 MW / Primarily Hydro power
- 60% access / 256 kwh per person.

### Opportunity areas for co-operation

- Domestic demand growth at 17% YOY last 5 years
- Existing 1416 MW set up with Indian help. 10,000 MW India Bhutan Hydro Generation Co-operation.
- 24,000 MW transmission corridor planned

## Maldives

- State Electricity company (STELCO) / Maldives Energy Authority
- 109 MW / Diesel / 18 islands and 15 power systems
- 93% access / 1374 kwh per person. Highest power generation cost in South Asia
- Some solar and wind potential
- Suzlon constructing wind power station
- Not much scope

# Country Co-operation Analysis

## Myanmar

- Myanma oil and gas enterprise / Energy policy department / Energy development programme
- 1840 MW / Primarily Hydro power
- 11% access / 121 kwh per person

### Opportunity areas for co-operation

- 100,000 MW hydro capacity. 38,000 MW identified
- All major companies state owned
- 11% with grid connection. 45 million people without grid electrification

## Nepal

- Nepal electricity Authority / Corporation
- 721 MW / Primarily Hydro power
- 400 kV Nepal – India cross border link existing. 1200 km lines parallel to Indian from East of Nepal to West of Nepal Border
- 49 - 93% access / 103 kwh per person

### Opportunity areas for co-operation

- 83,820 MW hydro capacity. 42,000 MW high capacity. 665 MW tapped so far

# Country Co-operation Analysis

## Pakistan

- Water And Power Development Authority / Pakistan Electric Power Company / etc
- National Transmission and Dispatch Company
- 21,103 MW / 65% Fossil fuel, 31% hydro and 4% nuclear
- 76% access / 458 kwh per person

### Opportunity areas for co-operation

- Discussions ongoing for trade of 500 MW power
- Commitment for HVDC substation critical

## Sri Lanka

- Ceylon Electricity Board / Lanka Electricity Company
- National Transmission and Dispatch Company
- 3312 MW / 49.8% Thermal, 47.8% hydro and Rest RE
- 88% access / 515 kwh per person

### Opportunity areas for co-operation

- Discussions ongoing construction of under sea transmission link
- Also Thermal Power station with NTPC
- Wind potential of 26,000 MW

# Country Co-operation Strategy

- Build generation together: 50,000 MW 2020
- Increase per-capita consumption 5 times
- Competitive bid generation and transmission
- Distribution also to progress along competitive lines
- Regulatory requirements
- South Asia Infrastructure Board For Transmission (SABIT)
- 20,000 MW trade by 2020