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Session: Scope of other activities under SARI/EI

**Analytical study on
Assessing Potential for development and
Trade of Natural Gas in BBINS Region**

(BBINS- Bangladesh, Bhutan, India, Nepal & Sri Lanka)

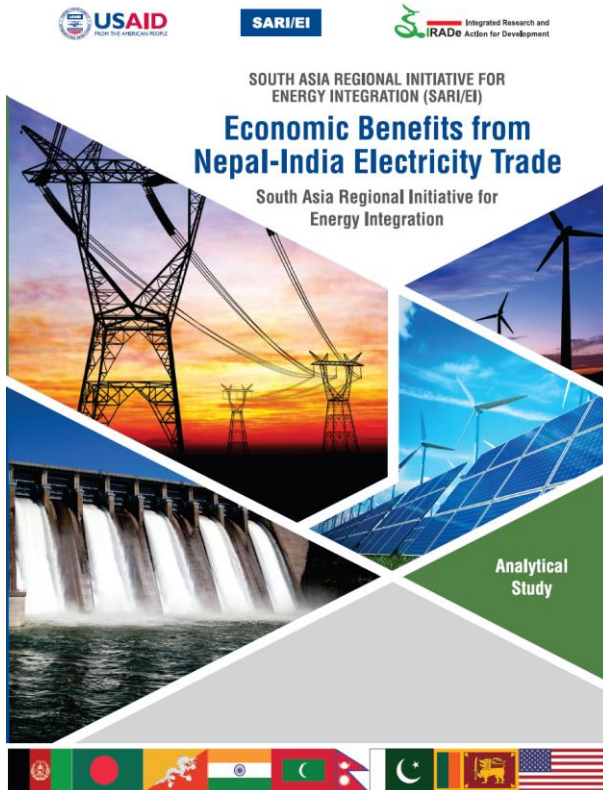
Contents

- Past studies
- Why Natural Gas
- BBINS Regional Gas Demand and Supply – Current and Forecast
- Upcoming Study-Assessing Potential for development and Trade of Natural Gas in BBINS Region
 - Global and Regional Perspective Report on Gas Scenario in BBINS Region
 - Five Country reports (BBINS) on Gas Demand and Supply
 - Methodology and Model Development
 - Result Dissemination

Past Analytical Studies under SARI/EI

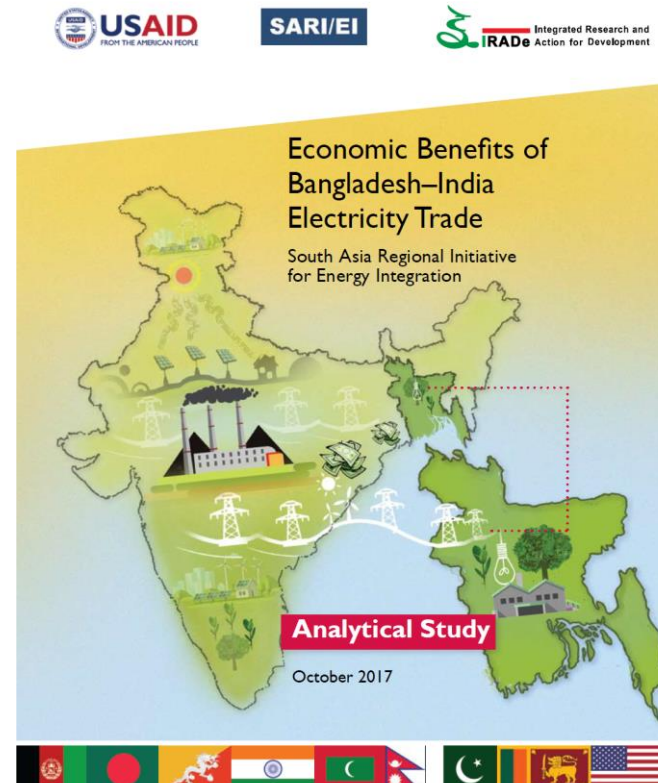
Economic Benefits from Nepal-India

Electricity Trade (Jan 2017)

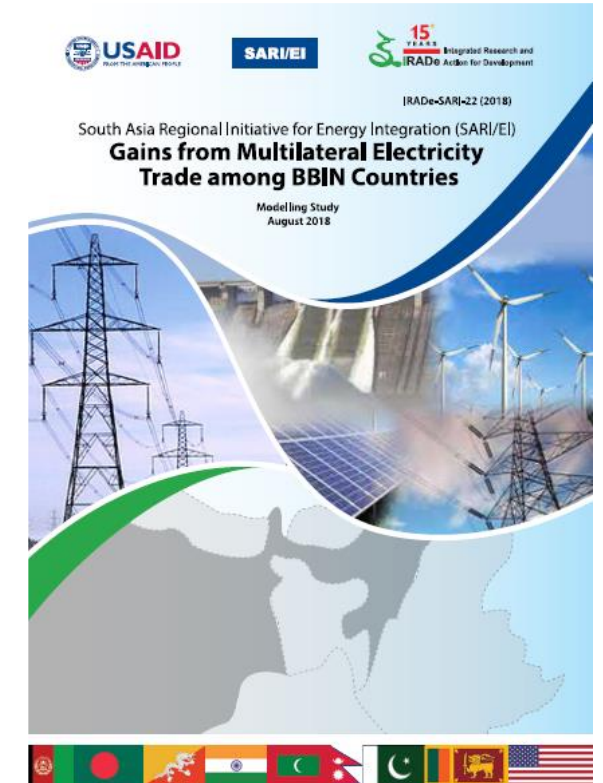


Economic Benefits from Bangladesh-India

Electricity Trade (Jan 2018)



Gains from Multilateral Electricity Trade among BBIN Countries (Aug 2018)



Media Coverage of Past Studies



Electricity trade win-win for India, Bangladesh: report

Star Business Report



Farooq Sobhan, president of BEI; Govt. commissioner, Kishor Baskin, chairman of D...



Rizvi praises Indian role in power sector

Report on economic benefits of electricity trade between Bangladesh and India released

Staff Reporter

Dhaka Tribune

February 27, 2018

'Importing power from India may be better than production'





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Analytical Study

Assessing Potential for development and

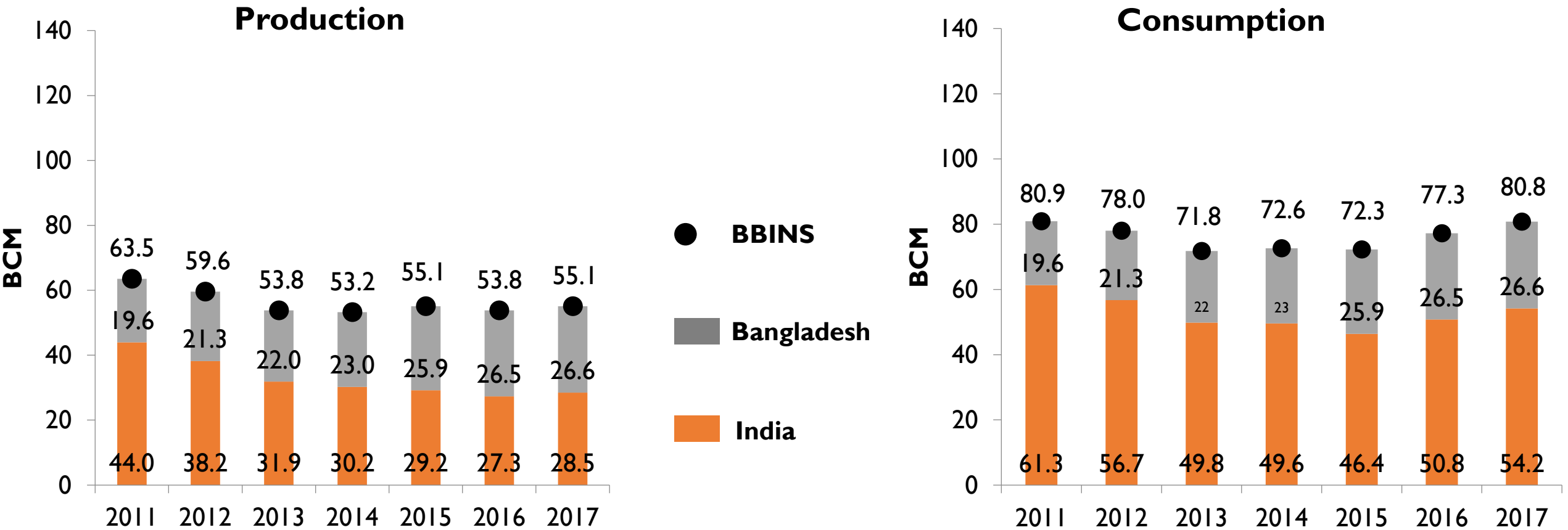
Trade of Natural Gas in BBINS Region

(BBINS- Bangladesh, Bhutan, India, Nepal & Sri Lanka)

Why Natural Gas?

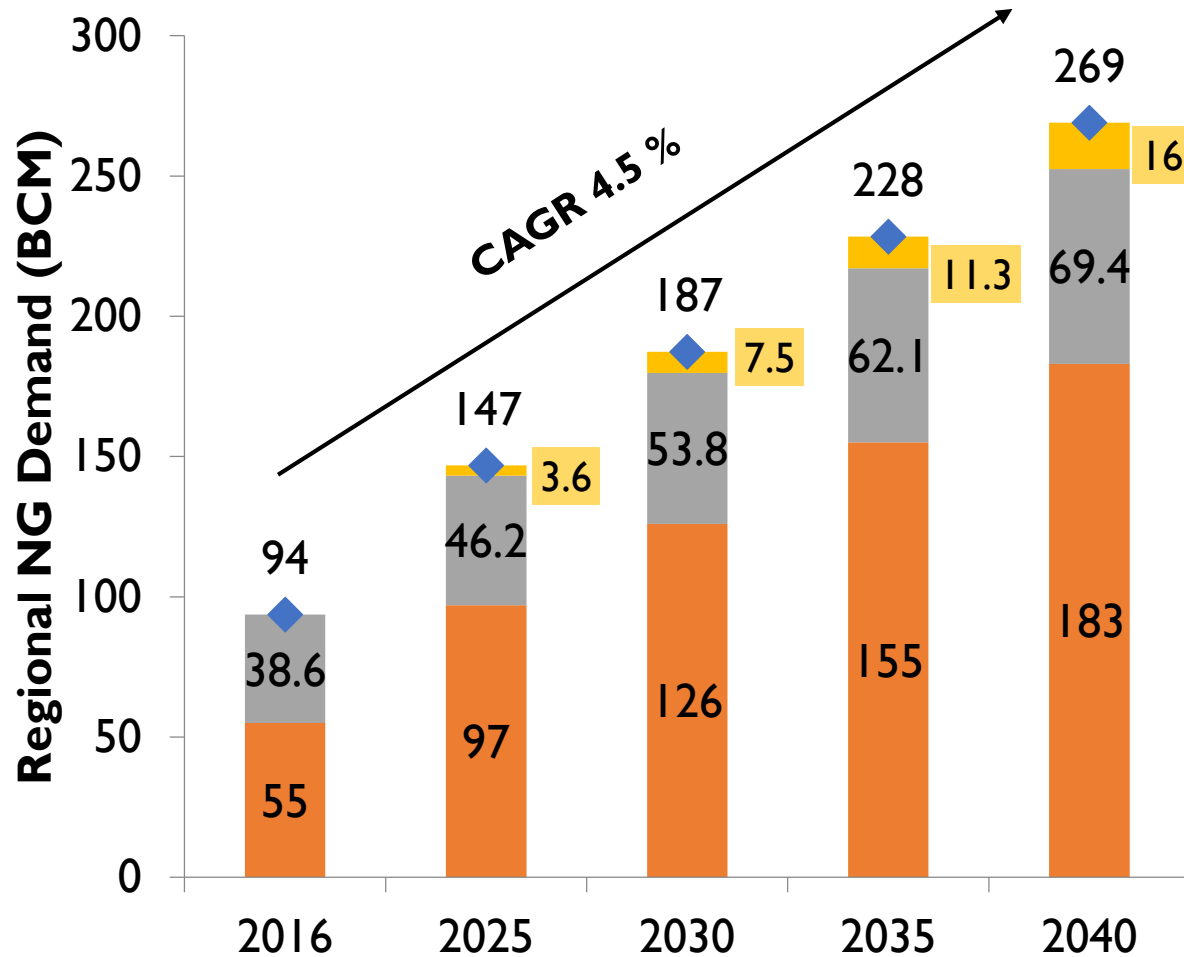
- less polluting than other fossil fuels
- versatile fuel for balancing power generation
- cleaner fuel for transportation, household and industry sector
- Due to the above benefits Natural gas has potential to facilitate regional energy cooperation

Regional Gas Demand Supply- Current



- Demand Supply Gap met through imports (LNG)
- Presently, India imports LNG in the region and Bangladesh received its first LNG shipment in Jan 2019
- At present, No NG consumption in Bhutan, Nepal and Sri Lanka.
- In future, Sri Lanka also proposes to import LNG
- Nepal proposes to import NG from India via transnational pipeline

Regional Gas Demand- Forecast



- By 2040, Production from India and Bangladesh together is expected to be around 129 BCM
- Rest will be imports

■ India Natural Gas Demand ■ Bangladesh Natural Gas Demand
■ Sri Lanka Natural Gas Demand ◆ BBINS Natural Gas Demand

Source: Outlook for Natural Gas, International Energy Agency 2018; Phase 1- Initial Natural Gas Utilization Road Map, Sri Lanka, October 2014 and Gas Sector Master Plan Bangladesh, 2017

Key questions to be answered from the study

- Global regions for future imports in the BBINS region
- What could be the potential of gas trade from outside BBINS region and within the BBINS region
- Can we use LNG import facilities for regional gas trade among BBINS countries
- Possibilities of Gas Trading Hub in the BBINS region
- Possibilities of interconnecting India and Bangladesh Gas Grid to reduce cost of establishing import infrastructure
- Interventions needed for increasing gas demand in the region

key Activities Planned for the Year 2019-20

- a) **Global and Regional Perspective Report on Gas Scenario in BBINS Region:** Global Gas Demand and Supply, LNG movement, Key levers for global gas prices, Global Gas Pricing Hubs, Pricing Instruments (spot and contracts), LNG capacities in the BBINS region- Existing and Upcoming.
- b) **Five Country reports (BBINS) on Gas Demand and Supply:** Oil and Gas sector Regulatory and Policy Setup, Current Gas consumption (sector-wise) and supply (domestic and imports), Energy Demand by 2040 (using econometric projections) and scenarios for substituting gas in the energy mix, Possibility of domestic gas supply by 2040, Possible gas markets for gas imports, Key players in Gas Sector- Upstream and Downstream, Assessment of future sectoral interventions increasing gas demand
- c) **Methodology and Model Development:** Based on the above research development of study methodology and model development will be undertaken.
- d) **Result Dissemination:** Results from the model output will be converted into a thematic report covering country-wise natural gas demand-supply analysis up to 2040. Result dissemination activities will be carried out in all the countries.

Thank You

