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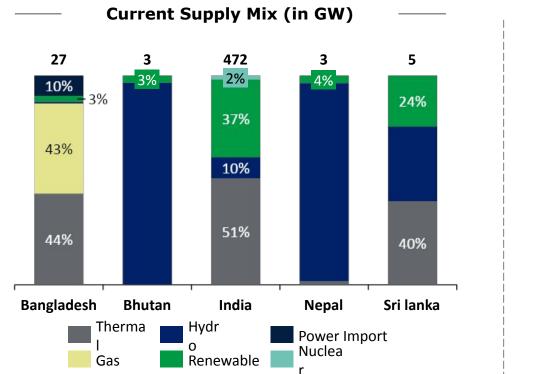
Asia Clean Energy Forum 2025

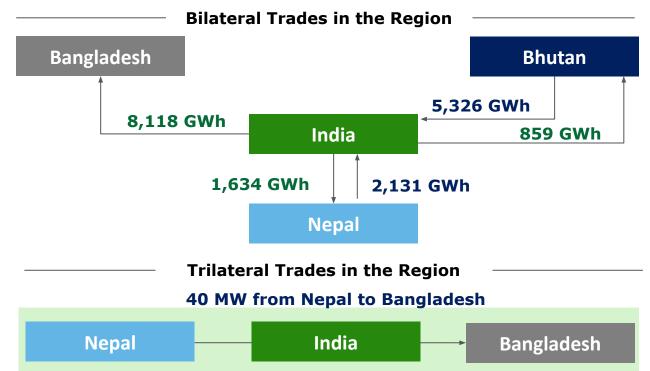
Powering South Asia's Clean Energy Future: RCI in the Energy Sector

MAKING AN IMPACT THAT MATTERS

Power Trade in South Asia: Untapped!

BBINS countries have over 500 GW of installed capacity—yet traded power accounts for barely 1% of combined generation, with fossil fuels still dominating.

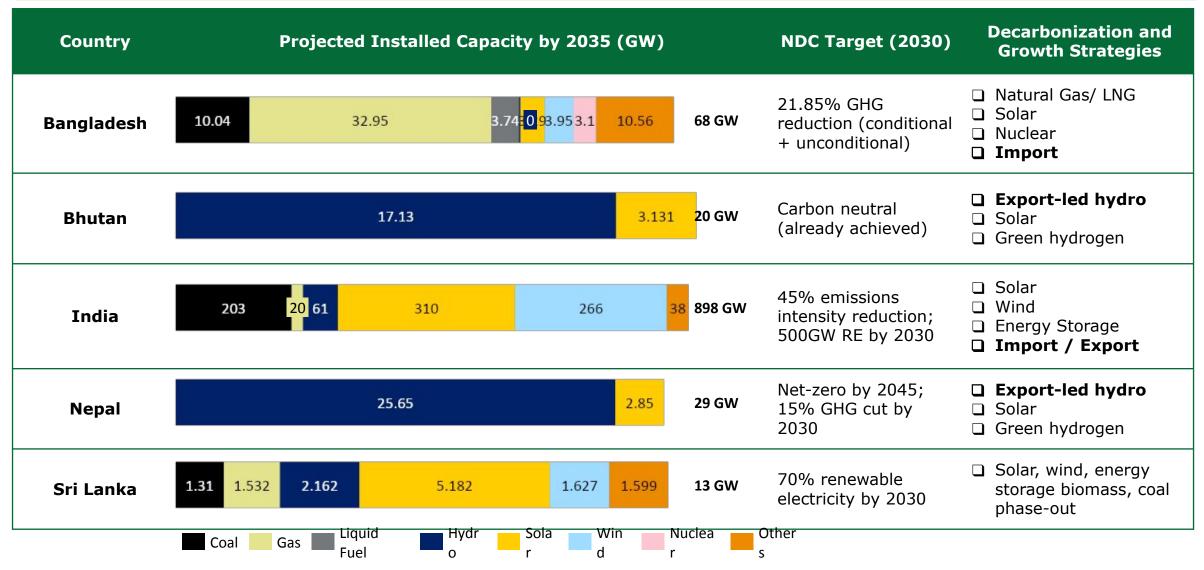




- · Majority of the electricity trade in BBINS are bilateral in nature. Trade contracts are largely project based or under G2G models
- Recent Trilateral Agreement between Nepal, India and Bangladesh was operationalized with 40 MW trade taking place between Nepal and Bangladesh – a landmark moment.

Decarbonization and Growth: A Common Destination

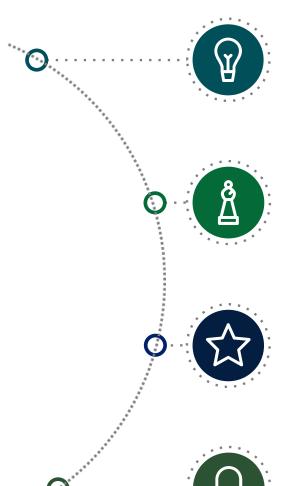
Installed capacity is set to double by 2035, driven by a shift to renewables. Regional integration is emerging as a core strategy across national energy plans.



Regional Cooperation and Integration: A Win-Win Pathway

Stronger RCI can enhance energy security, optimize resources, and address country-specific constraints—delivering shared benefits across the region.

Regional Benefits of RCI



Impact on Unmet Demand

- Counter dry-season deficits
- Eliminate power shortages through resource pooling in the region due to generation complementarity

Impact on Excess Generation

- Ability to export excess generation and plan to cater to markets with higher variable costs
- Avoid spillages in wet season

Impact on Emission Reduction

- Regional Clean Energy Trade helps offset emissions for thermal dominant countries
- Provides opportunity to earn through carbon trading / carbon market mechanisms

Enhancing Flexibility

 Resource Pooling helps offset costs due to diminishing the need for high-cost, high-ramp-rate generators enhancing flexibility for planners

Country specific benefits

India

- Rapidly increasing RE Portfolio will require power for base load as well as balancing
- Emission reduction from thermal

Bangladesh

- Utilize regional clean energy portfolio to meet decarbonization targets
- Offset high cost imported fuel through cheaper electricity imports

Nepal and Bhutan

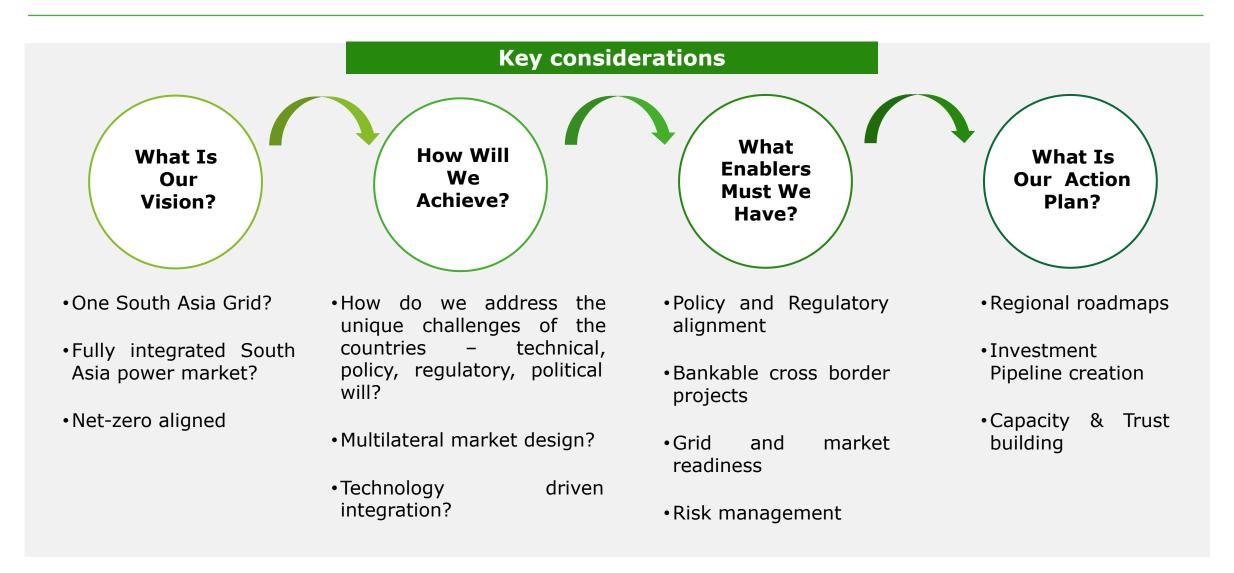
- Utilize surplus hydropower for exports
- Dry season deficits managed through imports
- Domestic electrification helps forex outgo

Sri Lanka

- Increase Grid Reliability through interconnections and access to power market
- · Reduce reliance on imported fuel

From Ambition to Action: Realizing South Asia's RCI Potential

What will it take to unlock transformative value from regional cooperation? Let's explore the enablers, priorities, and partnerships that can move us forward—together.



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