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# Session -3

# Terms of Reference

**1st Meeting of Task Force 2 Advancement of  
Transmission System Interconnection**

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# Outline of Presentation

- Importance of Task Force 2
- Objective of TF-2
- Constitution of Task Force
- Terms of Reference
- Deliverables
- Discussions



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## Objective of TF-2

- Identify technically and economically feasible cross border interconnections considering generation capacity additions in pipeline over next 20-30 years
- Evaluate electricity available for cross border exchange
- Formulate required coordination procedures for stable regional/national grid operations
- Develop a road map providing comfort on long term basis to prospective investors to set up power plants within the South Asia region with minimum level of power flow congestion



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## Constitution of Task Force

Task Force 2 has been constituted with one member from each country engaged in country power system planning / operations / design functions.



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## Terms of Reference

- Evolve a South Asia Regional Electricity Plan preferably up to the year 2035 based on country specific master plans and in consultation with country planning agencies.
- Review country specific supply - demand projections up to year 2035.
- Identify electricity that would be available for cross border transfer over different time periods with technical and economic feasibility.
- Review the extent to which cross border power transfer can be accommodated over interconnections planned and the technical improvements required to enhance such transfer, may be in phased manner.



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## Terms of Reference

- Review power system adequacy under different load flow conditions and suggest remedial measures against any congestions arising.
- Study generation capacity addition program and identify measures to facilitate any additional infrastructure/ institutional development or augmentation required to achieve target outcomes up to the year 2035
- Review of existing country criteria and practices on the following aspects and suggest any improvements based on proven international best practices



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## Terms of Reference

- Long term power generation and transmission planning.
- Long term electricity demand forecasting
- Open access in power transmission
- Power transmission congestion management
- Balancing mechanism for unscheduled power input/output deviations
- Power transmission system design, connectivity, and grid operation codes



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## Deliverables

- Prepare Regional Electricity plan for 25-30 year time frame in periods of 5 years based on National plans
- Prepare supply demand scenario for the period
- Power generation capacity addition program for infrastructure availability and readiness of enabling institutions required to achieve planned outcomes in capacity addition for the period
- Assess CBET opportunities in 25 – 30 year time frame, may be in phased manner.
- Check and formulate risk analysis and mitigation policies, if any
- Standard Technical specifications for equipment of different voltage levels with parameters and list of codes to be prescribed for cross border equipment.
- Review open access and congestion management policies
- Evolve common transmission tariff and loss sharing guidelines
- Develop coordinated system operating procedures to be adopted for import export tie lines.
- Any other report to meet the objectives





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**Discussions.....**



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Integrated Research and  
**IRADe** Action for Development

**Thank You**

