

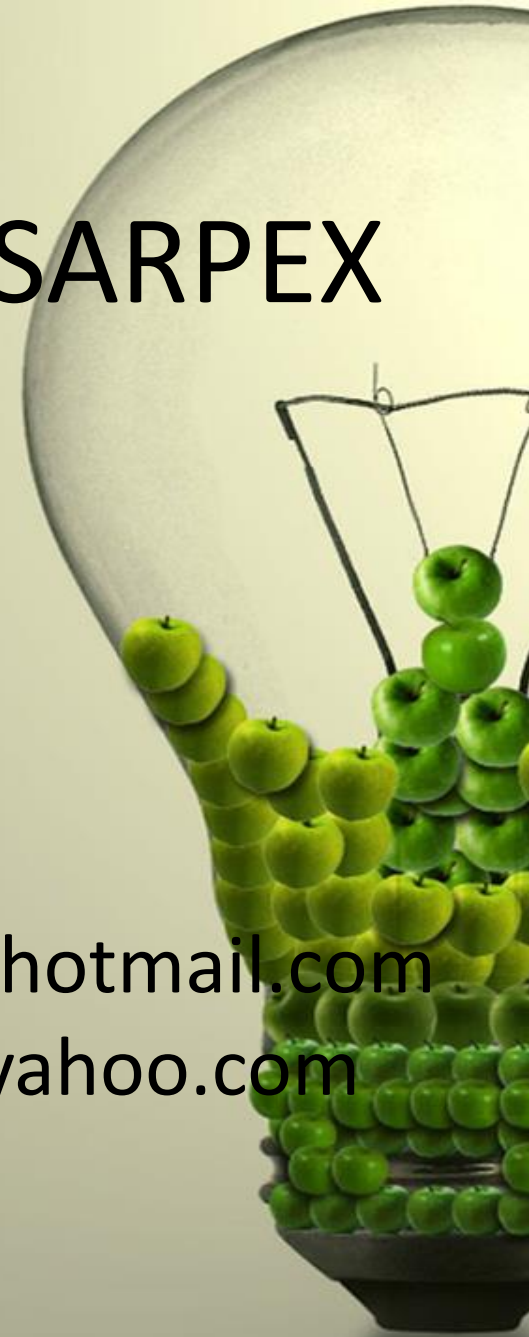
A Brief Presentation on SARPEX Mock Exercise

Presented by:
Nepal Core Team

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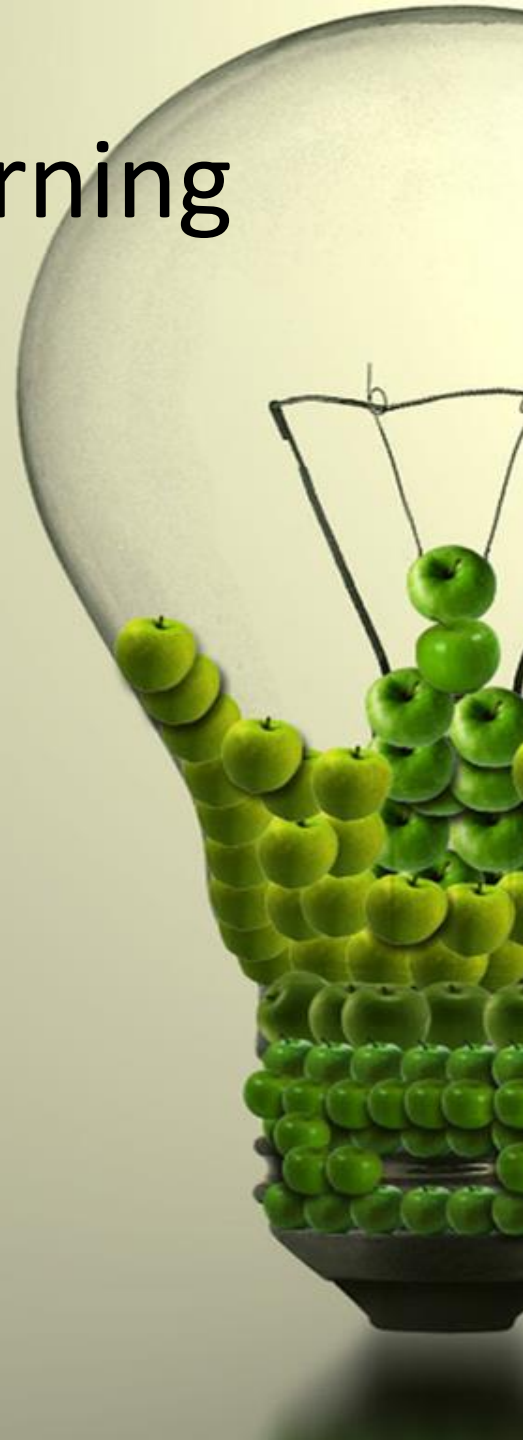
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5th October 2017



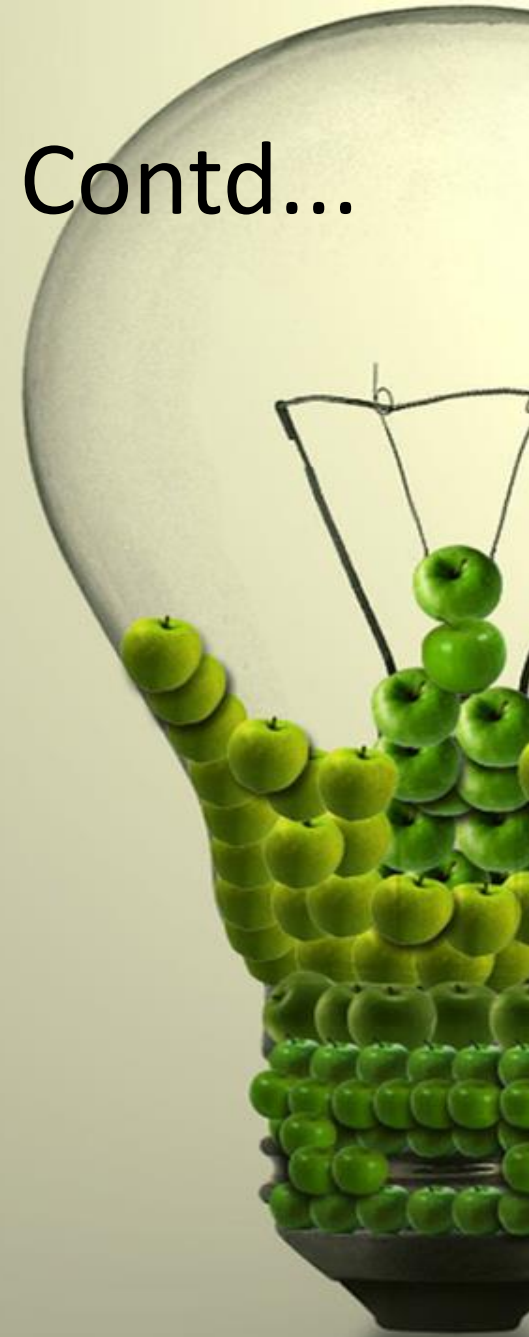
Mock Exercise: Key Learning

- ❖ Existing power exchanges in India:
 - ❑ DAM (Day ahead market)
 - ❑ Time period to bid submission
 - ❑ MCP evaluation and past trends
 - ❑ Traded Volume



Mock Exercise: Key Learning Contd...

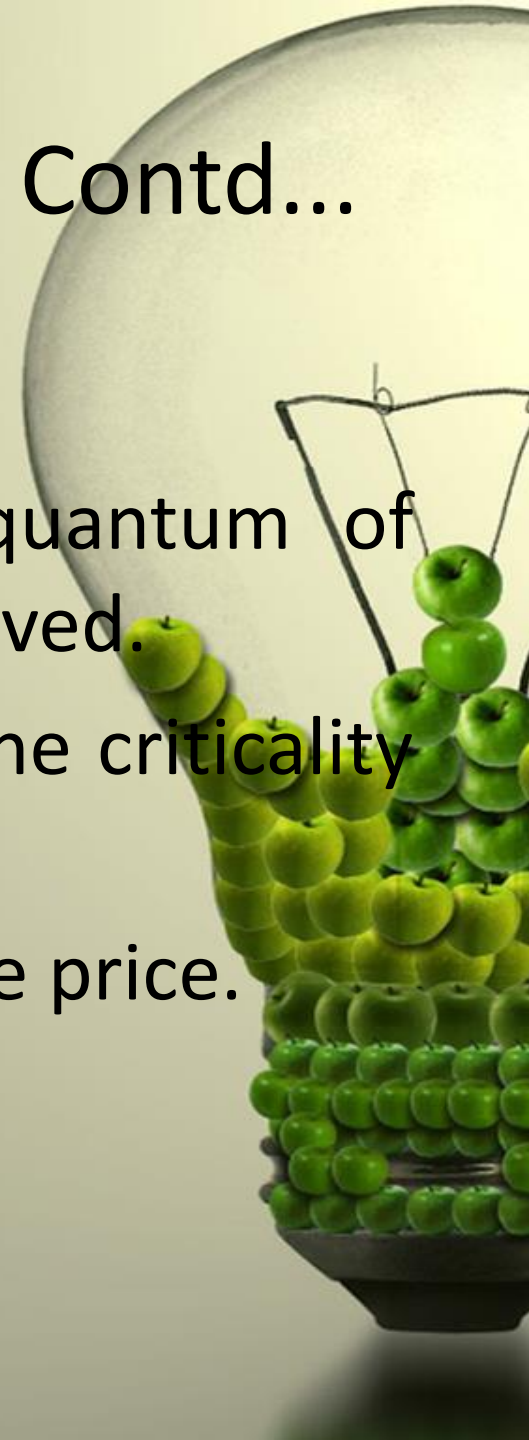
- ❖ SARPEX web portal:
 - How to prepare a bid
 - How to submit a bid
 - How to quote a price



Mock Exercise: Key Learning Contd...

❖ Bidding Strategies:

- Finding out the most needed quantum of power – criticality of load to be served.
- Breaking down the prices as per the criticality of load.
- To look on past history to quote the price.



Mock Exercise: Its Relevance to Nepal

❖ Nepal's current power scenario:

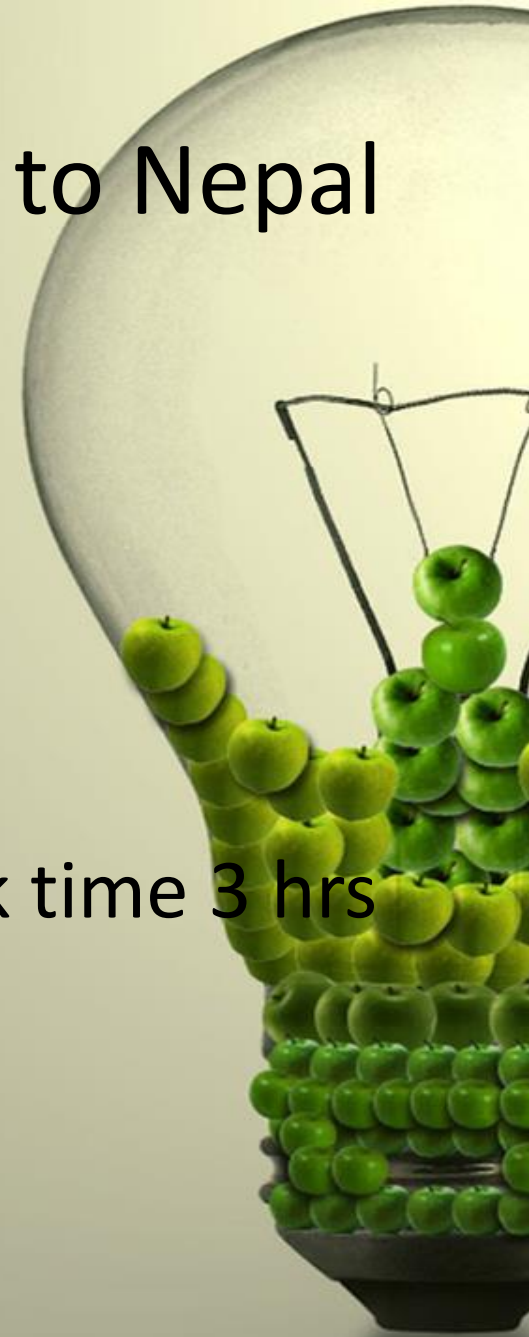
NEA : 363 MW

IPP : 310 MW

Import (India) : 332 MW

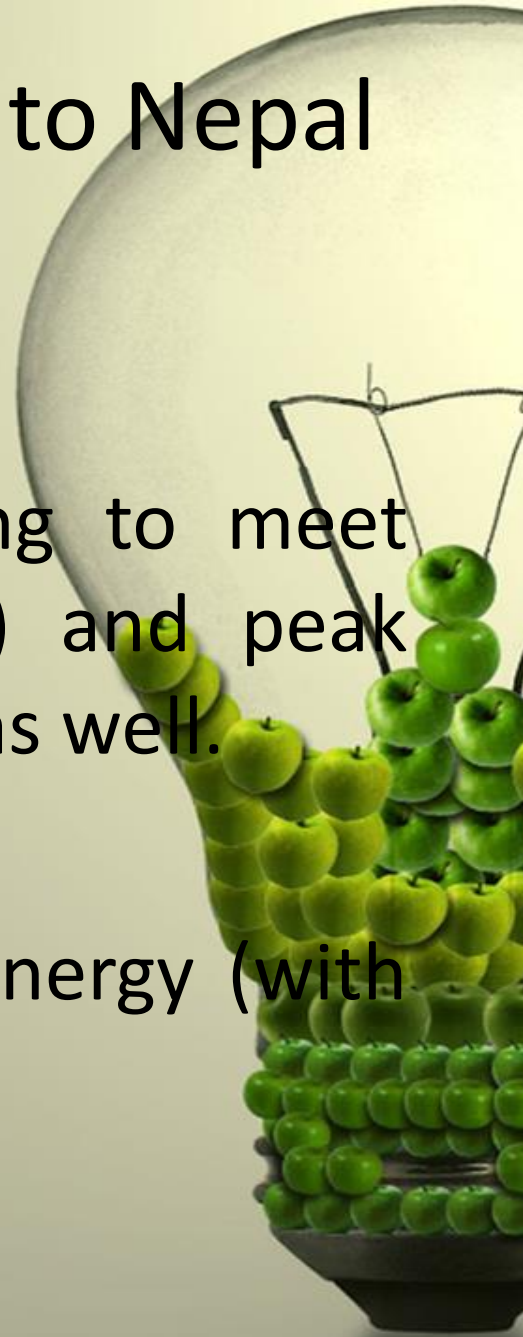
L/S (Industries) : 300 MW (peak time 3 hrs
max)

Total Demand : 1305 MW



Mock Exercise: Its Relevance to Nepal Contd...

- ❖ Nepal power system still lacking to meet business hour (with out import) and peak hour demands during wet season as well.
- ❖ Wet season off peak hour spill energy (with out import) management.



Mock Exercise: Its Relevance to Nepal

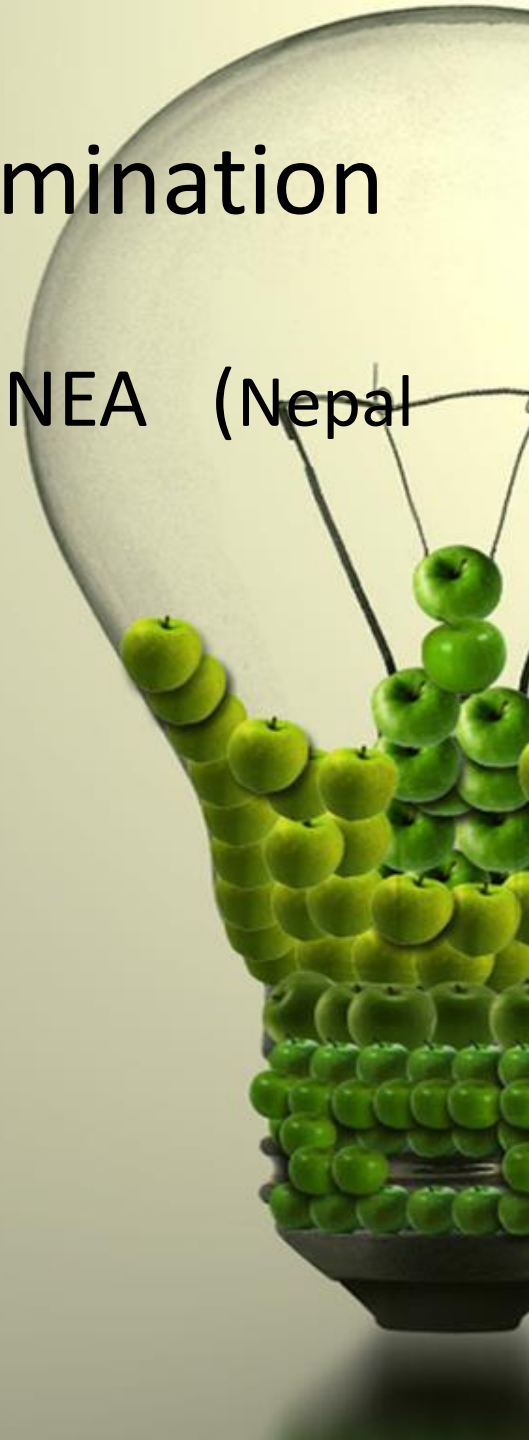
Contd...

- ❖ Saving energy (water) in storage plant for peak hour (high price per unit) utilizing low price energy through market during off peak hours in dry season.



Mock Exercise: Plan for dissemination

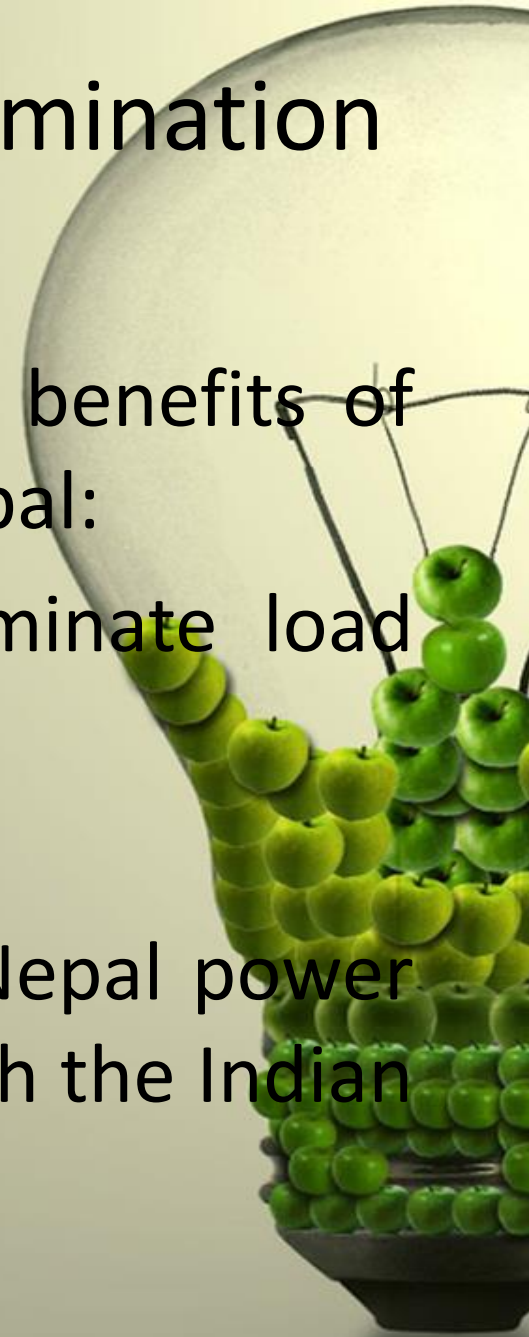
- ❖ Discussion of SARPEX to the NEA (Nepal Electricity Authority) Management:
 - Earning from spill energy.
 - Helpful in energy management.



Mock Exercise: Plan for dissemination

Contd...

- ❖ Highlighting the importance and benefits of SARPEX to the stake holders of Nepal:
 - How it would be helpful to eliminate load shedding through out the nation.
 - Earning from spill energy.
 - Reliable and stable operation of Nepal power system at last by synchronising with the Indian grid.



THANK YOU

