

# Paris Session 2022



## Evolution of Renewable Energy Monitoring Centre in Southern Regional Grid: Experience through Data, Forecasting and Challenges

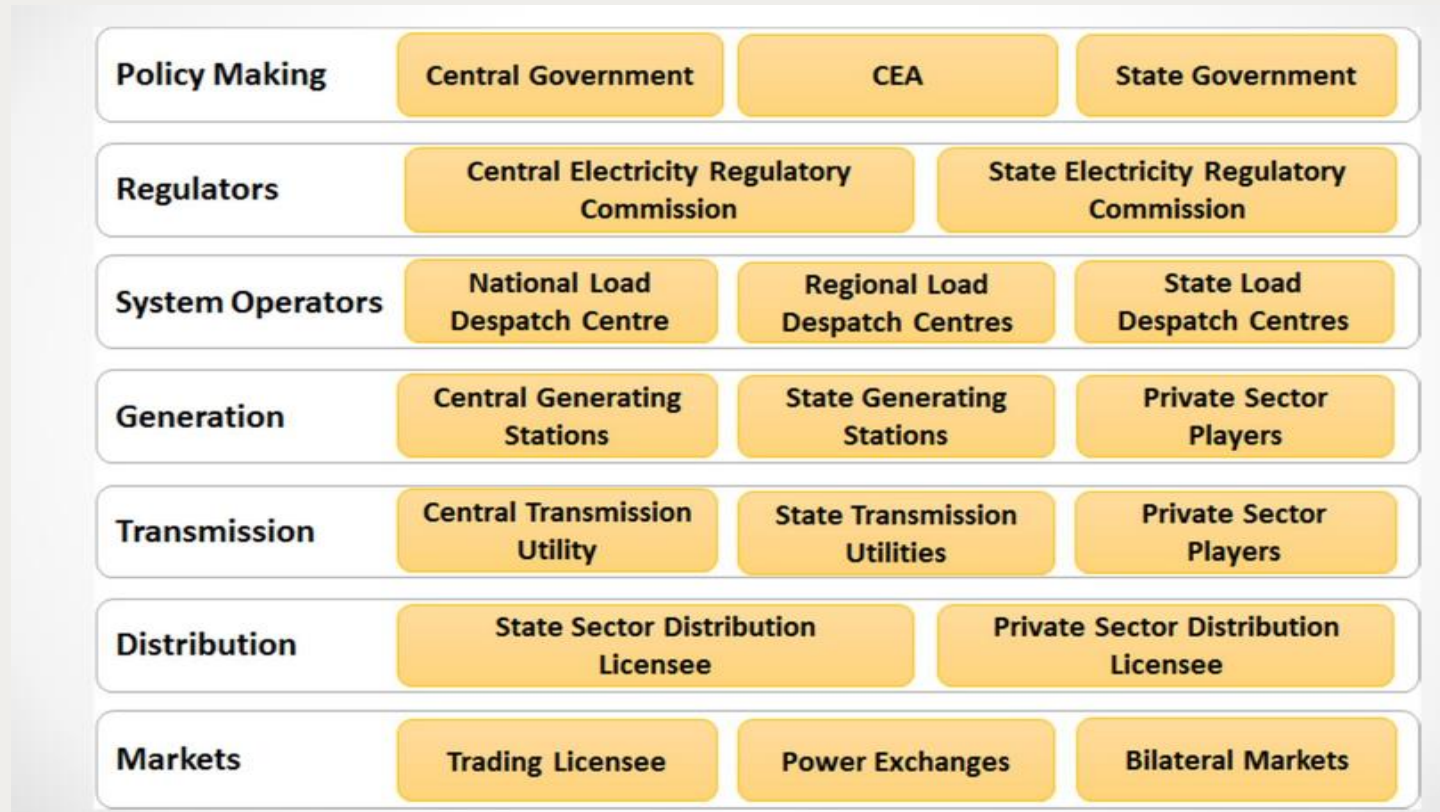
C2 - Power System Operation & Control  
PS2 Question 2.7

How are the roles and functions of supra-national, national and sub-national operations centres evolving to support the energy transition?

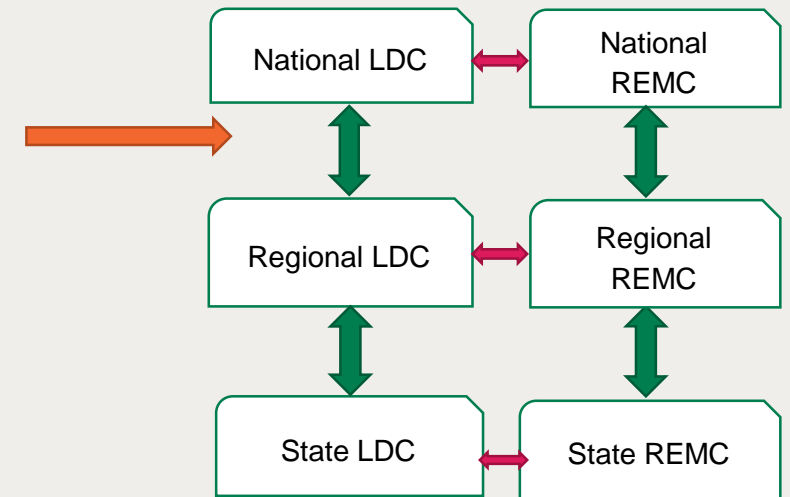
Shaik Mastanvali, India



## Question 2.7



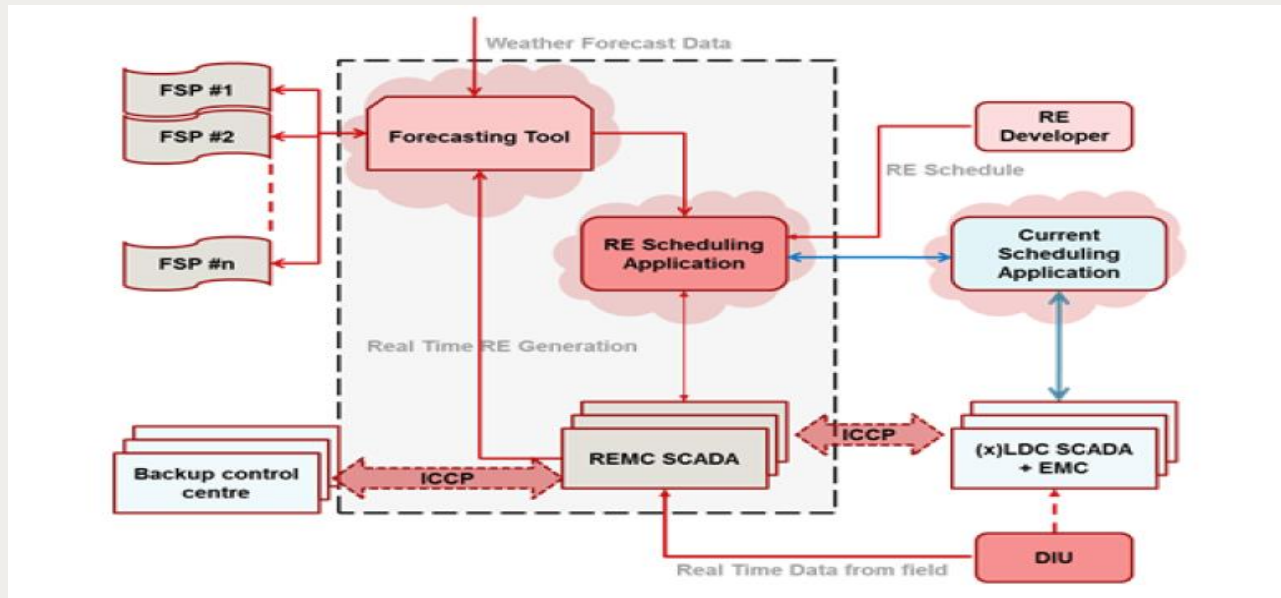
*Structure of Indian electricity sector*



*Hierarchy of load dispatch centre highlighting various levels of operational planning and dispatch*

## Question 2.7

- Dedicated control centre for renewable energy (REMC) established in 12 locations co-located with conventional control centres.
- REMCs catering to renewables at state level (RE rich states), regional level & National level.
- Separate Forecasting and scheduling modules for RE included in REMC at Regional & State level.
- Day ahead/Intraday forecasts available at state REMCs used for operational planning by SLDCs
- Surplus/ deficit power through Power exchange- Green day ahead market/Real time market
- Ancillary support at National level – RRAS, SCED, AGC



Group Discussion Meeting

