

BSES geared-up for the winter demand

Deploys state-of-the-art Load Forecasting System

- **Using advanced techniques like Banking / ‘Backing down’ to dispose surplus power**
- **Banking helping to arrange power for summer months**
- **Deploys advanced load forecasting system to forecast with greater accuracy and reduce power costs**

Delhi’s peak power demand this winter is expected to be around 4500 MW- 4600 MW. Last year, it had peaked at 4405 MW in the second week of January. BSES Rajdhani Power Limited (BRPL) and BSES Yamuna Power Limited (BYPL) are fully geared-up to ensure adequate power availability during the ensuing winter months. Besides long-term arrangements, BSES discoms are also using advanced techniques like Banking and Backdown to dispose off surplus power and making arrangements to get power during summer months. In case of any unforeseeable contingency, BSES discoms will buy short-term power from the exchange.

In addition, to accurately forecast the power demand, BSES discoms are using an advanced forecasting solution, helping the discom to forecast accurately and reduce costs.

BRPL

The peak power demand in BRPL area, which had reached 1862 MW during last winters is expected to touch around 1955 MW mark during the ensuing winter months. BRPL has adequate arrangements from long-term sources to meet the peak demand during the ensuing winter months. To reduce night surplus power, BRPL is ‘backing down’ / supplying 300 MW surplus power to Kerela during night hours.

BYPL

The peak power demand in BYPL area, which had reached 930 MW during last winters, is expected to touch 950 MW mark during the ensuing winter months. The company has sufficient arrangements to meet the peak demand for the ensuing winter months. They are also receiving an additional 165 MW from Uttar Pradesh and Punjab (between 8 am and 1 pm) through banking from December 2015 to February 2016. This will be returned between July-September 2016. To reduce the night surplus, BYPL too is backing down 300 MW during hours.

Banking

For taking care of its summer demand, BRPL and BYPL are banking 100 MW each to J&K between November 2015 to March 2016. This power will be available for BRPL and BYPL customers between May 2016 and September 2016.

Load Forecasting

For the benefit of BSES consumers and to better meet today's 'power' challenges, BRPL and BYPL have deployed an advanced 'Load Forecasting Solution'. Developed by Mzaya Private Limited, Indian subsidiary of an American company, this next-gen load forecasting solution helps BSES discoms predict power load more accurately – as is the practice with leading power utilities globally.

Benefits:

- This tool uses statistical models to account for long-term trends and to assess the effect of each parameter on the demand at any given time. Hence forecasting with this level of accuracy (around 2%) is not possible manually.
- More accurate load forecasts will help BSES plan its power purchases or sales more prudently and with greater accuracy - leading to a reduction in its power purchase costs.
- These savings accrued from the more precise planning will ultimately benefit the consumers; as reduced power costs will have a direct bearing on the customer tariffs.