

BYPL deploys next-gen Distribution Management System in Mayur Vihar

To intelligently monitor power supply & reduce fault restoration time by over 50 percent

Hon'ble Deputy Delhi Chief Minister inaugurates the system

- **System anomalies to be flagged in real time, assisting in early remedial action**
- **Increase quality and reliability of power supply for around 1 lakh residents in Mayur Vihar**
- **DMS will be rolled-out in phases**
- **Part of BSES' efforts to automate the entire process of electricity management – to bring about an integration of SCADA-GIS–DMS and SAP Operations**

To supply reliable power to their consumers, BSES discoms have been deploying the latest technologies like SCADA (Supervisory Control and Data Access) that remotely control 66 and 33 KV Grid Sub Stations. To track and manage outages, an Intelligent Outage Management System has been deployed.

DMS – Cutting edge technology deployment

Taking intelligent technology to next level, BSES has now developed (in-house) DMS (Distribution Management System), a next generation distribution technology that intelligently monitors power supply in real time at the 11 KV last mile and helps faster restoration of faults. Of the over 70 discoms nationally, only a handful of them have access to this cutting edge distribution technology.

Deployment of DMS is a giant leap in our efforts to automate the total process of electricity management. When fully implemented, the system will integrate SCADA-GIS –DMS and SAP Operations. This will lead to a quantum leap in operational efficiencies.

The next generation system was inaugurated, today, by Delhi's Hon'ble Deputy Chief Minister Shri Manish Sisodia in the presence of senior Delhi Government and BYPL officials. A large number of area residents were also present on the occasion.

Pilot in Mayur Vihar

Talking about DMS, BYPL CEO P R Kumar said, "To begin with, BSES Yamuna Power Limited (BYPL), has deployed DMS in Mayur Vihar, benefitting around 1 lakh residents spread over an area of around 15 square kms. Under this, all the sixty, 11 KV sub-stations in the area will be controlled remotely. The pilot project has cost around Rs 1.8 crore. After Mayur Vihar, DMS will be rolled-out in other areas in phases"

What is DMS?

DMS is essentially an integration of different sensors, equipment and applications. It centrally monitors and intelligently controls the distribution network. It transmits the data collected by the sensors to the central control room, where it is analysed using intelligent applications. To increase the distribution equipment's reliability, productivity and efficiency, the data is automatically transmitted to the 'control command'.

Benefits of the system

- **Increase in the reliability of power supply:** DMS will help increase the reliability of power supply in the area. It not only helps in identification of the fault automatically, but also isolates it from rest of the system. It shortens the time taken (by around 50 percent) between identification of the fault to its restoration.
- **Increase in the quality of power supply:** The sensors continuously monitor the voltage profile, current and other pre set parameters. This ensures that the consumers continue getting reliable power supply.
- **Better upkeep of the system** - Since the system is being monitored in real time, anomalies are immediately flagged. This helps the discom take preventive corrective actions.

BRPL & BYPL are premier distribution companies and Joint Ventures between Reliance Infrastructure Limited and GoNCTD

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