

SOLAR AND WIND ENERGY FORECASTING SERVICES

Branching out towards a greener
tomorrow



Since inception we are India's fastest growing Renewable Power Forecasting and Scheduling Agency (Wind & Solar), handling 22000 MW of Installed capacity across the nation and counting.



Generating in-house 540+ forecasts using NWP data along with real time updates at every 20 minutes. Also Outsourcing forecasts from Renowned MNC's.



Reliable & secure cloud server with redundancy, exchanging approximately 48,000 data files daily including SCADA, NWP, Special Energy Meter, Grid Frequency and Forecast Data.



Daily Submission of 1140+ Day ahead & Intra Day schedules to various SLDC's across India. That includes schedules submitted to clients as per new inter-state mechanism.



Highly reliable & secure database with redundancy, processing 1+ GB data daily with Historical data since last 3.5 years.



Multiple machine learning Models to analyze "n" no. of forecasts & submission of best among them for precise Scheduling of wind power, considering factors of WTG, Feeder



Web Based tool with multiple user authentication for Geo-visualization, Graphical/Table visualization, calculation, comparison, analyzing, downloading data & images.



A team of Analysts, Statisticians, Economists, Energy modelers, Wind/Solar Resource, Software developers and 24*7 operation team.

Prime features of Software

Easy configuration of new Wind & Solar Pooling Stations along with static information about Turbine & Inverter

Visualisation of Wind & Solar Pooling Stations through Single Dashboard for Pan India

Real Time Monitoring Dashboard of Data Availability along with logging status for different integrated Application Server, Client Server and Websites.

Real Time monitoring of Generation along with various factors: Wind speed, GHI, weather conditions, cloud cover, Power, Grid connectivity etc.

Energy Accounting calculations for Renewable and Non Renewable Sources.

Geo visualized forecast for next 96 hours major states of India

Performance of Wind & Solar Pooling Station at Individual Level and Aggregated Level: PLF (%), Act. Gen. vs Schedule Deviation, %age Deviation, Standard Deviation, MAPE & RMSE

Declared Availability: Easy configuration of Grid, Feeder, Turbine & Inverter Availability as per client intimation

Automated submission of Day Ahead, Intra Day Schedules to a Designated email ID and to a server.



Our Esteemed Clients:



Leveraging our extensive industry wide experience and deep rooted technology expertise, we are sprinting ahead with our vision of becoming the global leader in Energy market by delivering quality products, services & consultation. Additionally, providing strategic and tactical solutions to our customers.

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