

**Project Development Phase**  
**Model Performance Test**

Date	23 June 2025
Team ID	LTVIP2025TMID51504
Project Name	Plugging into the Future: An Exploration of Electricity Consumption Patterns Using Tableau
Maximum Marks	

**Model Performance Testing:**

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Screenshot / Values
1.	Data Rendered	Daily electricity usage data of 16,587 entries from Indian states, categorized by region and geolocation.
2.	Data Preprocessing	<ul style="list-style-type: none"><li>- Removed null values</li><li>- Converted date fields to datetime format</li><li>- Sorted data chronologically</li><li>- Verified outliers in usage</li><li>- Standardized state and region names</li></ul>
3.	Utilization of Filters	<ul style="list-style-type: none"><li>- <b>Region-wise filter</b> to focus by zone (North, South, etc.)</li><li>- <b>State-wise filter</b> for specific state comparisons</li><li>- <b>Date Range slider</b> to view time intervals</li><li>- <b>Month/Year selector</b> to explore seasonal trends</li></ul>
4.	Calculation fields Used	No Calculation fields Used
5.	Dashboard design	<b>6 unique visualizations</b> , including: <ul style="list-style-type: none"><li>- State-wise Map View</li><li>- Bar chart (Top/Bottom N states)</li><li>- Line chart (2019 vs 2020)</li><li>- Area chart (monthly trends)</li><li>- Pie chart (region-wise share)</li></ul>
6	Story Design	<b>4 visual scenes</b> , including: <ul style="list-style-type: none"><li>- Pre vs Post COVID Consumption</li><li>- Seasonal Usage Trend</li><li>- Forecast Analysis</li><li>- State Comparison View</li></ul>