Project Development Phase
Performance Test

Date	23 February 2026
Team ID	LTVIP2026TMIDS35961
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	The dashboard successfully renders electricity consumption data without delay. The dataset includes Year, Month, Region, State, and Usage fields. All visualizations load within acceptable response time.
2.	Data Preprocessing	Data was cleaned before visualization. Date fields were structured into Year and Month hierarchy. Usage values were converted into numeric format. Null values were verified and handled appropriately.
3.	Utilization of Filters	Interactive filters such as Year, Region, and State were implemented. "Use as Filter" functionality enables cross-sheet interaction. Dashboard updates dynamically when filters are applied.
4.	Calculation fields Used	Calculated fields such as Total Usage (SUM), Top N / Bottom N using parameters, and Year-wise Growth were implemented to enhance analysis.
5.	Dashboard design	Number of Visualizations / Graphs – 6 (Bar Chart, Pie Chart, Line Chart, Top N Analysis, Bottom N Analysis, KPI Summary). Layout is structured and responsive.
6	Story Design	Number of Visualizations / Graphs – 6. Story points are arranged logically to explain trends, comparisons, and insights step by step.