

Project Development Phase
Performance Test

Date	20 February 2026
Team ID	LTVIP2026TMIDS82725
Project Name	Plugging into the future: An exploration of electricity consumption pattern 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	Electricity consumption dataset including household usage, monthly trends, peak demand hours, and sector-wise consumption visualized in Tableau dashboards
2.	Data Preprocessing	Cleaned missing values, formatted date/time fields, categorized consumption units, removed duplicates, and structured dataset for analysis
3.	Utilization of Filters	Filters applied for year, month, region, consumer category, and peak/off-peak usage to enable dynamic analysis
4.	Calculation fields Used	Calculated fields for total consumption, average monthly usage, peak demand ratio, growth rate, and trend comparison
5.	Dashboard design	No of Visualizations / Graphs - 5 Dashboard Design 6+ visualizations including line charts, bar graphs, heat maps, pie charts, and KPI indicators for consumption analysis
6	Story Design	No of Visualizations / Graphs - 4–5 story points showing consumption trends, demand comparison, seasonal variation, and insights for energy optimization