

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

Date	18 February, 2026
Team ID	LTVIP2026TMIDS53972
Project Name	Plugging into the Future: An Exploration of Electricity Consumption Patterns Using Tableau
Maximum Marks	

**Model Performance Testing:**

S.No.	Parameter	Screenshot / Values
1.	Data Rendered	The dataset contains electricity consumption records for multiple states and regions for 2019 and 2020. Key fields include: • State • Region • Year • Month • Quarter • Usage
2.	Data Preprocessing	- Verified and formatted date columns (Month, Quarter, Year) - Removed null/duplicate values - Renamed fields for clarity in Tableau
3.	Utilization of Filters	Global filters used: • Year (2019/2020) • Region • State • Quarter Filters applied across all dashboards for comparative analysis
4.	Calculation fields Used	- Growth % = $(2020 - 2019) / 2019$ - Lockdown Impact Category (Pre/Post Lockdown)
5.	Dashboard design	Included: • State-wise Map • KPI Card (Total Consumption) • Line Chart – Year-wise Trend • Bar Chart – Top N & Bottom N • Quarter Usage Chart • Region-wise Pie Chart

6	Story Design	Story includes: <ul style="list-style-type: none"><li>• State Comparison</li><li>• Regional Analysis</li><li>• Lockdown Impact</li><li>• Seasonal Trends</li><li>• Top N Insights</li></ul>
---	--------------	---