

Project Design Phase
Proposed Solution Template

Date	18 February, 2026
Team ID	LTVIP2026TMIDS40169
Project Name	Plugging into the Future: An Exploration of Electricity Consumption Patterns Using Tableau
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Electricity boards struggle to analyze large state-wise and regional consumption datasets. Static reports make it difficult to identify peak demand, seasonal trends, and lockdown impact, leading to inefficient planning.
2.	Idea / Solution description	We propose an interactive Tableau dashboard that visualizes state, region, monthly, quarterly, and yearly electricity usage with filters and drill-down features for dynamic analysis.
3.	Novelty / Uniqueness	Integrates geographic and time-based analysis in one dashboard. Provides interactive filtering and lockdown impact insights for non-technical users.
4.	Social Impact / Customer Satisfaction	Supports better energy planning, reduces power shortages, and improves infrastructure decisions for reliable electricity supply.

5.	Business Model (Revenue Model)	Can be offered as Dashboard-as-a-Service, subscription-based analytics tool, or consulting solution for energy departments.
6.	Scalability of the Solution	Easily expandable with new years, regions, and datasets. Compatible with Tableau Cloud for enterprise-level deployment.