

**Project Design Phase**  
**Proposed Solution Template**

Date	22 Jan 2026
Team ID	LTVIP2026TMIDS25025
Project Name	Plugging into the Future: An exploration of electricity
Maximum Marks	2 Marks

**Proposed Solution Template:**

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

S.No	Parameter	Description
1	<b>Problem Statement (Problem to be solved)</b>	Electricity consumption data is large, complex, and scattered across sources, making it difficult for planners and analysts to identify trends, compare regions, and make informed decisions efficiently.
2	<b>Idea / Solution Description</b>	Develop a web-based interactive dashboard that cleans, processes, and visualizes electricity consumption data with filtering, comparison, trend analysis, and report export features.
3	<b>Novelty / Uniqueness</b>	Provides centralized, interactive visualization with real-time filtering and comparative analysis instead of static reports or manual Excel analysis.
4	<b>Social Impact / Customer Satisfaction</b>	Helps government planners and analysts make better energy management decisions, leading to efficient electricity distribution and improved public service reliability.
5	<b>Business Model (Revenue Model)</b>	Can be offered as a government analytics tool, licensed dashboard solution, or SaaS-based data analytics platform for energy departments and research institutions.
6	<b>Scalability of the Solution</b>	The system can scale to include more states, real-time datasets, renewable energy analytics, and integration with larger databases or cloud deployment.