

Board 2: Technical Layout and Energy Systems

- Solar Specifications:
  - Minimum 75 kW capacity using custom-shaped photovoltaic modules.
  - Panels designed to withstand Category 5 cyclones.
- Energy Storage:
  - Lithium iron phosphate (LFP) batteries for night-time use.
  - Modular design for future scalability.
- Water Harvesting:
  - Rainwater collection from solar panels.
  - Integration with existing storage tanks in the village.

