

SOLAR ENERGY POTENTIAL ANALYSIS

Region: Global Irradiance Index Year: 2024 Reference Units: kWh/m²/day

Low (2.0)

Moderate (4.0)

High (6.0)

Extreme (8.0+)

Optimal Tilt Angle

25 - 35 South

Peak Sun Hours

5.4 Hours/Day

Grid Efficiency

78.2% Nominal

Educational Observations

* This document is for classroom use only. Solar data represents long-term averages of Global Horizontal Irradiation (GHI).