

Project includes grid connection, SCADA and Energy Management System (EMS), control, communication and protection system integration with existing generators and solar plant. Fully automated system with NUC operator capability.

The Solar Power Development Project will finance (i) a grid-connected solar power plant with a capacity of 6 megawatts (MW) of alternating current; and (ii) a 2.5-megawatt-hour, 5 MW battery energy storage system (BESS) to enable smoothing of intermittent solar

The project will finance a 6MW grid connected solar power plant (measured as AC output) and 2.5MWh/5MW battery energy storage system (BESS) for solar smoothing energy storage (SSES).

The PV SCADA system is provided with the data acquisition, process-ing, presentation and storage functions to be performed at the power plant. The primary data acquisition, control and processing tasks shall be performed via the redundant power plant control and SCADA Serv-er with appropriate protocol via the Ethernet LAN or dedicated serial

Reference -- Solar Farm; BESS; Substation; SCADA -- for Nauru presented by Asian Development Bank (HQ) (works), budget is USD 14311732, in Electrical Engineering sector

Nauru: Solar Power Development Project Project to finance a 6MW grid connected solar power plant and 2.5MWh/5MW battery energy storage system for solar smoothing energy storage.

Design, Supply, Install, Test, Commission, Operate & Maintain Floating Solar PV Generation, Grid Infrastructure and other items in Kiribati and Tuvalu.

Nauru, in collaboration with project executor IUCN and implementing agency UNEP has established a low carbon fund (LCF) of USD 80,000 to promote RE and EE in private sector.<sup>8</sup> Nauru receives very high levels of solar irradiation (GHI) of 5.9 kWh/m<sup>2</sup>/day and specific yield 4.7 kWh/kWp/day indica-

Map with solar irradiation and PV power potential in Nauru. The GIS data (AAIGRID and GEOTIFF) stems from the Global Solar Atlas ([link](#)). The link also provides a poster size (.tif) and midsize map (.png).



# Solar scada Nauru

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