



Advance Contracting Notice

Date: 11 September 2019

Country/Borrower: Government of Nauru

Title of Proposed Project: 49450-NAU: Solar Power Development Project

Name and Address of Executing Agency: Department of Finance and Sustainable Development

Address	Government Offices
City	Yaren
Phone	+674 444 3284

Brief Description of the Project:

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 system will be fully integrated and automated with the existing diesel generation (17.9 MW installed capacity currently manually operated) to optimize solar energy use, to enable optimal BESS charging/discharging and to provide optimal shut off of the diesel engines. This will reduce Nauru's over reliance on diesel for power generation. The project will also support the institutional strengthening of the Nauru Utilities Corporation (NUC), with a focus on women in leadership and technical positions. Project preparatory technical assistance was used in project preparation.

Brief Description of Goods and Related Services, Works or Consulting Services to be Procured:

Solar power plant installed. The project will finance the installation of a 6MW ground mounted solar PV system, an 11 kV substation including feeders for the solar farm, for the BESS, for the diesel generators (to be relocated by NUC) and transmission linkages, the balance of system, a monitoring and control system integrated with NUC existing system and associated facilities (including boundary fences, office, water storage and reticulation).

Battery energy storage system installed. The project will finance the installation of a 5MW/2.5MWh battery energy storage system (BESS) and a master controller system to allow management of intermittency of output from solar generation, storage for load shifting and diesel engines utilization.

Procurement of goods and works for the Plant Procurement Contract (PPC) will follow ADB's Procurement Guidelines (2015, as amended from time to time) and will be based on ADB SBD (ICB Plant Procurement Method, and the Stage 1 Envelope Bidding Procedure) for the

Asian Development Bank

Procurement of Plant, Design, Supply and Installation. The contract will include final design and engineering, supply and installation of equipment, construction works and commissioning, and an O&M knowledge transfer program.

Description	Cost Estimate	No. of Contracts	Estimated Date of Procurement
Solar farm; BESS; substation; SCADA	17,500,000	1	Q1 2020