

NAURU UTILITIES CORPORATION

Aiwo District, Nauru Island Central Pacific R.O.N

Request for Proposal (RFP)

Design & Specification for Installation of 2×2 MVA High-Speed Generators

Date: 27/08/2025

RFP Reference No.:

Introduction

Nauru Utilities Corporation (NUC) seeks proposals from qualified engineering firms to provide full **design and specification services** for the installation of **two (2) \times 2 MVA high-speed diesel generators**. The selected firm will be responsible for preparing all necessary technical documentation, specifications, and designs to enable procurement, construction, and commissioning of the generators.

Project Objectives

- To design the installation of 2×2 MVA generators to be integrated into the existing NUC power system at their 6MW Solar Installation located in Meneng.
- To ensure designs comply with relevant international and local standards.
- To provide complete technical specifications and drawings suitable for tendering, procurement, and installation.

Scope of Work

The engineering firm shall provide the following:

a) Design Services

- **Site Layout & Civil Works:** foundations, vibration pads, acoustic enclosures, fuel storage, exhaust stack design, ventilation, and noise control.
- **Mechanical Systems:** cooling systems, fuel supply and storage, lubrication, fire suppression, and auxiliary equipment.
- **Electrical Systems:** cable sizing and routing, protection and control schemes, switchgear and transformer interface, earthing and bonding, generator synchronisation, load sharing, and SCADA/PLC integration.
- **Auxiliary Systems:** day tanks, transfer pumps, exhaust systems, control room requirements, and monitoring instrumentation.

b) Specifications & Documentation

- Technical specifications for generators and all ancillary equipment.
- Electrical single-line diagrams, wiring schematics, and protection coordination studies.
- Civil and mechanical design drawings.
- Environmental and safety compliance requirements.
- Bill of Quantities (BoQ) with major equipment and materials.
- Commissioning and testing procedures.
- Operation & maintenance (O&M) manuals outline.

Information To Be Provided by NUC

- Site location details and space availability.
- Existing electrical system information (voltage levels, fault levels, load demand, SCADA setup).
- Operational requirements (base load, emergency/standby, synchronisation with existing diesel and solar generation).
- Applicable codes and standards AS/NZ Standards, local regulations).

Deliverables

- Complete design package (civil, electrical, mechanical).
- Technical specifications document.
- Tender-ready drawings and BoQ.
- Recommended procurement and installation guidelines.

Proposal Submission Requirements

Firms should submit a proposal including:

- Company profile and relevant experience with generator design and power plant installations.
- Team structure and CVs of proposed key engineers.
- Methodology and workplan.
- Proposed timeline for completion of design.
- Commercial proposal (fees, terms, and conditions).

Evaluation Criteria

Proposals will be evaluated based on:

- Technical expertise and relevant experience.
- Understanding of project scope and methodology.
- Quality and completeness of deliverables offered.
- Timeline for delivery.
- Cost competitiveness.

Submission Details

- Proposals must be submitted no later than 28th October 2025.
- Submission format: PDF (soft copy)
- Send proposals to:
Petrina Underwood, Procurement Manager
Nauru Utilities Corporation
- petrina.underwood@nuc.com.nr

Clarifications

All requests for clarification must be submitted in writing to petrina.underwood@nuc.com.nr no later than **19th October 2025**. Responses will be shared with all interested firms.

Disclaimer

NUC reserves the right to accept or reject any proposal, or to annul the process at any time without obligation to award.