



**National  
Airports  
Corporation**  
PAPUA NEW GUINEA



## CIVIL AVIATION DEVELOPMENT INVESTMENT PROJECT II

### INVITATION TO INTERESTED BIDDERS FOR AN EARLY MARKET ENGAGEMENT (EME) SESSION FOR THE UPCOMING PROJECT:

#### POWER SYSTEM UPGRADE & ASSOCIATED WORKS AT PORT MORESBY (JACKSONS) INTERNATIONAL AIRPORT, NCD, PNG (CADIP II CW6 42-2A1/1) CIVIL AVIATION DEVELOPMENT INVESTMENT PROJECT II (CADIP II) Loan Nos. 4276/4277

The Independent State of Papua New Guinea has received financing from the Asian Development Bank (ADB) towards the cost of Civil Aviation Development Investment Project II. Part of this financing will be used for this project.

The **National Airports Corporation** ("the Employer") invites **Interested Bidders** from National (PNG) & Overseas Companies (including JVs), with relevant technical experience & competence, along with desired financial credentials.

#### OBJECTIVE

In preparation to embark on the Power System Upgrade and Associated Works at Port Moresby International Terminal; CADIP wishes to have an interactive session with interested bidders to determine;

- Current Market Capacities
- Current Technologies
- Current brands, materials and suppliers
- Risks and opportunities.

The information gathered from the EME session will enable CADIP to have a feasible and competitive understanding of the current market conditions and help align the procurement of the project accordingly.

#### CONTENT OF EARLY MARKET ENGAGEMENT (EME) SESSION

The EME session will be an interactive session and will cover:

- Scope of the Proposed Project
- Competency Requirements of the Project
- Recommended Approach, Brands and Suppliers
- Project Risks and Mitigation Measures
- Bidding Processes and Documentation to be used for this project.
- Enquiries from interested bidders

#### A. SCOPE OF WORK

The scope of work includes upgrade of 10 Nos of Substation: -

##### a. PMIA Substations (Electrical Works)

- Supply & Installation of High Voltage Overhead Grid Line from PPL substation to Central Powerhouse at PMIA
- Supply & Installation of High & Low Voltage switchboards
- Supply & Installation of High & Low Voltage cables (underground/overhead)
- Supply & Installation of Low Voltage Generators
- Supply & Installation of Low Voltage Stabilizer
- Supply & Installation of Low Voltage UPS
- Supply & Installation of Transformers

##### b. PMIA Substations (Civil Works)

- Construction of Central Terminal Substation
- Supply & Installation of Prefabricated Modular Containers for 7 Substation

##### c. PMIA Substations (Automation Works)

- Supply & Installation of Programmable Logic Controller (PLC) at Central Terminal Substation
- Supply & Installation of Supervisory Control & Data Acquisition System (SCADA) at Central Terminal Substation
- Supply & Installation of Remote Input/Output Unit (RIO) for 10 substations
- Supply & Installation of Micro PLC at HV & LV switchboards for 10 substations
- Supply & Installation of Optic Fibre Cables connecting all the 10 substations

#### B. COMPETENCY REQUIREMENTS

- Having PPL High & Low Voltage License
- Knowledge of ICAO & CASA guidelines
- Knowledge of High & Low Voltage Power System Protection & Interlocks
- Knowledge of Airport Safety Standards
- Experience of working in a Brown Field Project
- Capable of PLC Programming
- Capable of developing SCADA (with local and remote interface)

#### C. RECOMMENDED APPROACH, BRANDS AND SUPPLIERS

- Use system integrators & system houses for multi-product bulk procurement
- Avail economics of scale to avoid multiple shipping of overseas products

#### D. PROJECT RISKS AND MITIGATION MEASURE

- **Risk**
  - PMIA Power project is Integrated with PMIA Airfield Lighting Project in terms of power availability and timing
  - Transition of high voltage system from existing to new will warrant sufficient safety precaution and operational planning
- **Mitigation**
  - Ensure adequate automated safety interlocks
  - Competent execution

#### E. BIDDING PROCESS AND DOCUMENTATION

Bidding shall be based on ADBs Standard Bidding Documents (SBD) where all Evaluation shall be based on Merit Point Criteria (MPC) where;

- Technical bid weightage – 60%
- Financial bid weightage – 40%

#### F. ENQUIRIES

- For Bidders attending the session in person – Queries can be raised through an Interactive session (Live)
- For Bidders who are unable to attend the session in person – Queries can be raised in advance through hand delivered / email correspondence post reviewing pre-recorded scope video

**The session will be held on: Monday the 22nd of June 2026 from 10am to 12pm at the Port Moresby Domestic Terminal Training Room (Level 1- Domestic Terminal)**

#### Contact Person for Enquiries:

Attention: **Wellington Warren - Project Director CADIP-PIU  
National Airports Corporation**

E-mail: **cadippiu@nac.com.pg**

Phone: **3244509**

Approved by:

  
**MR. DOMINIC KAUMU, ML OBE**  
Acting Managing Director & CEO  
National Airports Corporation