



## Invitation for Bids

**Issued Date:** 19<sup>TH</sup> November 2021

**Title:** Edevu 132kV Transmission Interconnection

**Deadline for Submission of Bids:** 24th December 2021 at 10:00 Hours (PNG Local Time)

1. PNG Power Limited ("the Employer") invites sealed bids from eligible bidders from potential partners for:

***The Financing, Engineering, Procurement, Construction (FEPC), Testing and Commissioning of Edevu 132kV Transmission Interconnection and associated Substation and Switchyard Upgrade in the Port Moresby grid, PNG.***

Name of Good and Related Services
<p>The Project comprising execution of all contract works on an FEPC basis, complete in every respect and at turnkey basis for the following:</p> <ul style="list-style-type: none"><li>• 132kV Edevu 40km Transmission Interconnection</li><li>• Brown River 132/22kV Step down Substation comprising two three-phase 5 MVA, 132/22kV ONAN/ONAF transformers, 66kV AIS switchgear, 22kV indoor switchgear, civil and structural components, and all other equipment necessary to provide a complete substation.</li><li>• Moitaka switchyard 132/66kV Expansion comprising two three phase 60MVA Transformers and associated switchgears, protection and controls.</li></ul> <p>The Scope of Works includes the following services and deliveries: Design, manufacture, testing, supply, insurance, packing for export, shipment, delivery to site, unloading, provision of access roads, civil works and erection and installation of equipment, testing on completion, commissioning, setting to work and documentation.</p> <p>The Works include:</p> <ul style="list-style-type: none"><li>• Supply and install gantries and bus conductors for the High Voltage and Medium Voltage equipment complete with the associated circuit breakers, disconnect switches &amp; earthing switches, surge arresters, capacitor voltage transformers and current transformers, and control and protection equipment;</li><li>• Supply and install Medium Voltage equipment along with circuit breakers, earthing switches, surge arresters, voltage transformers and current transformers, and control and protection equipment;</li><li>• Supply and install power transformers complete with the associated OLTC, RTCC and accessories,</li><li>• Supply and install an earthing and lightning protection system covering the switchyard area and the buildings and structures,</li><li>• Supply of transmission poles, foundations, Sapphire conductor, OPGW, and all necessary conductor &amp; OPGW accessories,</li><li>• All civil works including construction of the control and switchgear building, diesel generator building, guardhouse &amp; security platforms, roads, storm-water and sewage system, cable trenches, equipment foundations,</li><li>• Control and Protection Equipment for High and Medium Voltage Equipment</li><li>• Supply and install telecommunication and protection signaling equipment, communication system and security surveillance system.</li></ul>

- Supply and install required equipment and components for a complete Substation Control and Monitoring System,  
All necessary fire protection system, HVAC, AC & DC supply, cabling/wiring/lighting and auxiliary equipment to complete the works

2. International competitive bidding will be conducted in accordance with International Single-Stage, Two-Envelope Bidding Procedure for Procurement of Plant and is open to all Bidders in PNG and abroad. For this procedure, bidders will submit simultaneously two sealed envelopes, one containing the technical proposal and the other the price proposal. Initially, only the Technical Proposals are opened at the date and time advised in the Bidding Document. The Price Proposals remain sealed and are held in custody by the Employer. The Technical Proposals are evaluated by the Employer. No amendments or changes to the Technical Proposals are permitted. The objective of the exercise is to allow the Employer to evaluate the Technical Proposals without reference to price. Bids with Technical Proposals which do not conform to the specified requirements will be rejected as deficient Bids. Price Proposals of technically compliant Bids will be opened after completion of the technical evaluation in public at a date and time advised by the Employer. The Price Proposals are evaluated and the Contract is awarded to the technically compliant Bidder whose Bid has been determined to be the lowest evaluated substantially responsive Bid.
3. Only eligible bidders with the following key qualifications should participate in the bidding.
4. International Competitive Bidding (ICB) will be conducted in accordance with International Procurement of Works (Without Prequalification) procedure.
5. Interested eligible Bidders may obtain further information from PNG Power Ltd and request available Project Document at the address given below, from 09:00 to 16:00 hours (local Port Moresby time), Monday to Friday.

Bid delivery address is:

Attention: Francis Uratun, Project Manager,  
PNG Power National Office,  
PO Box 1105

Street Address: Corner Wards Rd/Cordia St, Boroko 111, National Capital District  
City: Port Moresby  
Country: Papua New Guinea

Phone: +675 3 24 3227  
Fax: +675 3 25 0185

E-mail: [furatun@pngpower.com.pg](mailto:furatun@pngpower.com.pg)  
Website: [www.pngpower.com.pg](http://www.pngpower.com.pg)

6. PPL will not be responsible for any costs or expenses incurred by Bidders in connection with the preparation or delivery of Bids.

Authorized by:

**Obed Batia**  
Acting CHIEF EXECUTIVE OFFICER  
PNG Power Limited