



KenGen

KENYA ELECTRICITY GENERATING COMPANY PLC

KGN-NGONG-11 -2023

TENDER FOR SUPPLY, INSTALLATION AND COMMISSIONING OF NGONG SCADA ICT EQUIPMENT (OPEN INTERNATIONAL)

Clarification No.1

Date: 26th June 2023

In accordance with the **Tender for Supply, Installation and Commissioning of Ngong SCADA ICT Equipment**, KenGen issues Clarification No. 1 as follows:

No	Bidder's Request for Clarification	KenGen's Response
1	Please specify the current make and versions of the existing SCADA platforms.	Ngong power station has 3 separate SCADA systems that are not integrated: The Vestas DCS HMI software is VestasOnline Business Version 3.10. The Gamesa SCADA software is WindNet Version 4.1.3.5 The substation SCADA runs on NR Electric's PCS-9700 software and uses IEC-61850 standard communication protocols.
2	Existing SCADA system and network architecture to be shared.	The proposed architecture is supplied in section 2.6.1 of the document.
3	Page 77, 2.1.1 INTRODUCTION: The scope of the tender shall include: <ul style="list-style-type: none">• Supply of ICT hardware and associated software• Training on configuration and maintenance• Technical support on supplied equipment• Supply, install and commissioning of 20kVA UPS	Please note that the scope of supply does not include supply of SCADA software.

	Query: The scope of supply does not specify supply of SCADA software. Requested integration is only feasible if a new SCADA software for the new centralized control room is envisaged. Please confirm.		
4	Proposed site visit date of 20 th June is too close to the bid opening date of 28 th June. A period of 3 weeks shall be required after the site visit date as the bid preparation work can only be started after the site visit which shall give clarity on the practical considerations to be made to meet the scope defined in the tender.	Tender Closing Date has been extended.to 19th July 2023 at 2.00 p.m. Please refer to addendum No. 1	
5	What are the existing protocols by which the existing SCADA are communication with the controllers and other field/subsystem communication devices.	OEM	Protocol
		Vestas	ArcNet, TCP/IP
		Gamesa	INTERBUS, TCP/IP
		11/66 kV Main SubstationNR Electric	IEC 61850, TCP/IP
6	According to the tender document page 38, MR 17; Attach at least two (2) completion certificates/evidence for successfully completed wind turbine retrofit projects. Provide contacts of referees for the same projects.	This requirement has been reviewed Please refer to addendum 1	
7	FAT and Work program	FAT is a requirement of the tender and will be carried out. Work program to be provided.	
8	Control Room: Reference the proposed Architecture and the section 2.2.2 of the tender document. According to the requirement KENGEN only requires 2 operator workstations (OWS) at the Gamesa Control room (Cabinet 2). What is the requirement at the Vestas? Quantities only indicate 2 OWS.	The scope as per tender is 2 no. Operator Workstations. No additional workstations are required.	

9	Kindly clarify tender submission method.	Electronic –Procurement SystemThe tender MUST be submitted through our e-procurement platform found at www.kengen.co.ke (https://eprocurement.kengen.co.ke:50001/irj/portal)
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SUPPLIER ACKNOWLEDGEMENT OF CLARIFICATION 1

We, the undersigned hereby certify that the clarification is an integral part of the document and the alterations set out in clarification has been incorporated in the Tender document.

Signed.....

Tenderer.....

Date.....