



KENYA ELECTRICITY GENERATING COMPANY PLC

RFx: 5000012337

KGN-GDD-051-2023

TENDER FOR SUPPLY OF AUXILIARY COOLING WATER PUMPS AND MECHANICAL SEAL WATER PUMPS FOR WELLHEAD POWER PLANTS

(Citizen Contractors)

Dated: 3rd April, 2023

Clarification No.1.

In accordance with the **Tender for Supply of Auxiliary Cooling Water Pumps and Mechanical Seal Water Pumps for Wellhead Power Plants**, KenGen issues a **Clarification No. 1** as follows:

No.	BIDDERS CLARIFICATION	KENGEN'S RESPONSE
1	<p>For Item No. 3 & 4, Kindly advise if you require the complete pump set with its respective service kit or you just want the Service Kit only.</p> <p>For Pump Model NS-3196 on Schedule B of the Tender, please assist with an Image of the Nameplate and provide the Flow Rate.</p> <p>For Schedule B of the Tender, please advise if you require:</p> <p>a. Complete Pump Set i.e. (Pump + Motor + Mechanical Seal + Coupling) OR</p> <p>b. Motor + Mechanical Seal + Coupling OR</p> <p>c. Mechanical Seal + Coupling</p>	<ul style="list-style-type: none">• No. 1 refers to a complete functioning pump and ready for pumping application (Complete, pump, motor, mechanical seal and couplings and fasteners i.e., Plug and play.• No.2 is the specific service kits for service or replacement of parts after breakdown. Please read the column on price schedule keenly.• The Pump flow rate is 16 M³/HR; Impeller material construction is SS 316 Impeller dia. Is 215.90 MM.• No name plate as its an old pump and we don't prefer any specific model provided it meets the technical specifications.• Please check the technical specs.• No. 1 refers to a complete function pump and ready for pumping application(Complete, pump, motor, mechanical seal and couplings and fasteners. Plug and play.• No.2 is the specific service kits for service or replacement of parts after breakdown. Please read the column on price schedule keenly.

2	<p>Kindly share the Serial Number of the original pump Pump model: NS3196 MTi; Size: 1.5 x 3-10 to ensure that we quote for a direct replacement with the correct specifications.</p>	<ul style="list-style-type: none"> • Please check and supply as per the technical specifications in the tender. The pump flow rate is 16 M³/HR. • Any pump model that meets the technical specifications (performance and material of construction) will work for us.
3.	<p>According to Part 2: Supply Requirements, Section V – Schedule of Requirements, you have listed the specifications for both the Auxiliary cooling water pumps and Mechanical seal water pumps.</p> <p>However, you have not indicated the duty points and applications of these pumps. Therefore, we request for this information to help our suppliers quote for these items.</p> <p>In addition to the specifications you have listed, we also request for the flow rate and name plate of the pump in schedule B to help us quote for these items.</p>	<ul style="list-style-type: none"> • The Auxiliary Cooling water pump (ACWP) is a centrifugal pump for discharging condensate water at the rated flow rate and pressure for various applications in our case (Lube oil cooling via heat exchanger, Air Generator windings cooling and inter-condenser NCG gas cooling) • Mechanical seal water pumps are centrifugal water pumps for discharging steam condensate water from the cooling tower basin to the Liquid ring vacuum pump (LRVP) for cooling and condensing applications to enhance Vacuum creation by the LRVP. The LRVP function is to create negative pressure(vacuum) in the main condenser for continuous turbine operation. • These two Pumps must meet the technical specifications for optimum functioning & durability to survive in the harsh condensate water with quite low PH scale chemistry due to high acidity.
4.	<p>We are kindly requesting for clarification on the Specifications of the pumps to be supplied.</p> <ol style="list-style-type: none"> 1. Pump Flow and Material of construction. 2. You have mentioned model names. Please share drawings/data sheet/curve so that we can identify correct equivalent pumps. 3. We see that you have specified Grundfos pumps, would the end user accept SPP, Braybar or KBL alternative? 4. Are the pumps required Centrifugal pumps? 	<ul style="list-style-type: none"> • Please use the provided technical specifications both in performance and correct material of pump construction for optimum pump performances and for corrosion protection against condensate water with chemistry acidic and alkaline chemistries. • Please check and supply as per the technical specifications in the tender. The pump flow rate is 16 M³/HR. • No specific preference model was stated but we insist on a pump that will guarantee optimum performance for a smooth operation. • Any model that meets fully our technical specifications is highly recommended. • We have not specified any pump model and therefore it is incorrect to say so. • These operating pumps are centrifugal in nature where high flow moderate pressures are needed.

SUPPLIER ACKNOWLEDGEMENT OF CLARIFICATION NO.1

We, the undersigned hereby certify that the Clarification No.1 is an integral part of the document and the alterations set out in Clarification has been incorporated in the Tender Proposal.

Signed.....

Tenderer.....

Date.....