



KENYA ELECTRICITY GENERATING COMPANY PLC

TENDER No. KGN-HYD-16-2024

RFx: 5000014962

TENDER FOR REDESIGN, MANUFACTURE, INSTALLATION & COMMISSIONING OF TURBINE SHAFT SEAL FOR KIAMBERE POWER STATION

CLARIFICATION NO. 2

Date: 26th April 2024

In accordance with the “Tender for Redesign, Manufacture, Installation & Commissioning of Turbine Shaft Seal for Kiambere Power Station”, KenGen hereby issues Clarification No 1.

Item	Clarification Sought	KenGen Response
1.	<p>1. Dimensional drawing of interfacing parts with turbine head cover and shaft will be required.</p> <p>2. Dimensional drawing of the existing seal with positions of piping connections and instruments installed.</p> <p>3. What is the type, make and model of the existing SCADA system, details will be required as the new parts will connect with the same system for monitoring and control of seal operation.</p> <p>4. Please provide technical details (make, model, rating, input, and output details) of existing sensors, limit switches, transducers used for operation and control of shaft seal and water filter system.</p> <p>5. Please clarify about following clause in tender document page No.8, Clause 4.10 in case supplier is outside of Kenya, and participating this tender as “Open International Tender” category then how following clause will be applied.</p> <p>6. Please consider for extension of end date, it should be 6 weeks to 8 weeks from the date when we receive</p>	<p>1. This drawing requirement is not necessary as the full extent of existing shaft seal arrangement (radial, horizontal and vertical) has been clearly captured in the provided drawings. Bidder urged to more carefully study provided drawing.</p> <p>2. This requirement is unnecessary as bidder expected to provide a totally new design with completely different auxiliary system requirements hence expected to discard the existing shaft seal auxiliary system. Any other details pertaining to this are expected to have been captured during site visit by the bidder.</p> <p>3. This will be discussed with the winning bidder during actual design review. Not necessary at this preliminary design stage.</p> <p>4. Bidder expected to provide a completely new design of shaft seal with totally different designed transducers to suit requirements. Similarity to existing is not a requirement and is not anticipated.</p> <p>5. Please note that requirements in the Evaluation Criteria will be used for evaluation of the tender. Please refer to the requirements in the Mandatory Requirements and Technical Requirements.</p> <p>6. Extension has been granted to 29th May 2024 at 10.00 a.m. as per addendum No. 2</p>

<p>dimensions drawings. Because we can start redesigning only after we know interface part dimensions and drawing for existing shaft seal on the turbine shaft. We have to make shaft seal design to replace existing shaft seal, hence dimensions will be most important for start design work at our end.</p> <p>7. Which are the applicable formats and declarations applicable for “Open International Tenderer” category. It looks like there are many formats and declarations that will be relevant for inland or JV category tenderers.</p> <p>8. Page no. 27 of Tender documents ends with ITT-15.4 and next page is Page no. 28 that starts with ITT-19.1, does that means we are missing out some (16 to 18) of ITT Clauses in between 15.4 and 19.1...?</p> <p>9. Please provide sequence of operation with P&ID diagram for control panel system, connected to SCADA, it is important input for redesigning of new system, because it has to collaborate with existing SCADA</p> <p>10. We have visited site on 09-April-2024, and seen the site condition, we are sure that existing water filtration is not good enough to provide perfect filtered water to seal hence we suggest it must be replaced with modern water filtration system filtration system. We can provide such a system as a complete skid package mounted on a dedicated metallic frame as a complete unit to support and control operation of shaft seal perfectly. This type of system can be designed for each shaft seal or multiple shaft seals. So KenGen can let us know their choice of water filtration system, both sides need to be clear about this before we prepare for BID.</p> <p>11. Please consider that redesign of new seal and new filter system suitable for the seal will be possible only after complete technical information, clear dimensions of existing seal, shaft, housing are given to us. Design of new seal, New water filtration system skid, it will have control panel, pumps, modern filters and monitoring sensors. So we request for extension of BID end date by 6 to 8 weeks from date of all the details are provided to us by KenGen.</p> <p>12. BID submission date 23-April-2024, and time 10.00 am, is not possible as tender document do not have important information</p>	<p>7. The declaration formats provided in the tender document are applicable to all bidders. Further, the requirements for JV are as provided under mandatory requirement (MR13)</p> <p>8. Please note that only few clauses (those that require additional clarification) in the Instructions to Tenderers (ITT) are stated in the Tender Data Sheet (TDS) The other instructions remain as contained in the ITT section.(refer to page 6- 25)</p> <p>9. This will be provided during preliminary design stage with the winning bidder.</p> <p>10. This is not the scope of the current tender.</p> <p>11. Drawing already provided. Interpretation is left to the bidder.</p> <p>12. Clear drawing of existing shaft seal arrangement has been provided. Tender Closing date has been extended 29th May 2024 at 10.00 a.m. as per addendum No. 2.</p>
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	<p>regarding drawings and dimensions of interfacing parts. Hence, we request for 6-to-8-week extension looking at the large amount of work involved in redesigning after drawings with dimensions are available to us. We have visited site on 09-April-2024, but clear drawing are not provided to us.</p> <p>13. We do not find technical information about inflatable seal (maintenance seal). Please provide this information with interfacing part dimensions, it is necessary to maintain same dimensions to match with existing turbine parts.</p> <p>14. We notice that tender is asking for disclosure of prices with reference to list of projects completed with other customers, we feel that this may not be possible because of contract of terms with our customers. Our request is please consider only technical information as a part of experience of supplier on similar projects with other customers.</p>	<p>13. Maintenance seal is not part of the scope of existing tender. Bidders urged to only focus on the shaft seal.</p> <p>14. This requirement is standard requirement and cannot be waived for bidder's convenience.</p>
2.	<p>In addition to following clarifications, please use attached format for providing information about seal with important dimensions and add notes if required.</p>	<p>It is up to the bidder to read the tender document and populate requirements in any convenient format they wish for their own consumption.</p>
3.	<p>We find on page no. 60 of tender document heading as "TECHNICAL PROPOSAL"</p> <ul style="list-style-type: none"> . Site Organization – <p>We do not find form for this, page no 61 is blank, format is not provided to fill in information</p> <ul style="list-style-type: none"> . Method statement - we <p>do not find form for this, page no 62 is blank, format is not provided to fill in information</p> <ul style="list-style-type: none"> . Mobilization Schedule - we <p>do not find form for this, page no 63 is blank, format is not provided to fill in information</p> <ul style="list-style-type: none"> . Construction schedule - we <p>do not find form for this, page no 64 is blank, format is not provided to fill in information</p> <p>Please provide forms to be filled in for above, or illustrate in details what kind of information is expected from tenderer for above points.</p>	<p>These are to be provided by bidders in their own formats as per their understanding of the assignment.</p>

ACKNOWLEDGEMENT OF CLARIFICATION No. 2

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

Signed.....

Tenderer.....

Date.....