



KENYA ELECTRICITY GENERATING COMPANY PLC

RFx: 5000015634

KGN-GDD-074-2024

TENDER FOR SUPPLY, INSTALLATION AND COMMISSIONING OF NEW 2000 HP VFD ELECTRIC WALKING LAND DRILLING RIG WITH TOP DRIVE AND ASSOCIATED EQUIPMENT.

(Open International)

Dated: 25th July, 2024

Clarification No.4

In accordance with the **Tender for Supply, Installation and Commissioning of New 2000 HP VFD Electric Walking Land Drilling Rig with Top Drive and Associated Equipment**, KenGen issues **Clarification No.4** as follows:

Requested Clarification	KenGen's Response
IADC is a membership association for Drilling Contractors, Rig Manufacturers are not members of IADC. Thus it would be extremely difficult if not impossible to get a letter from IADC, where Rig Manufacturers are not members. We propose withdrawal of this mandatory requirements and or amendment to "Rig Manufacturers to secure letter(s) from Drilling Contractors, who they have supplied Drilling Rigs to and who are members of IADC."	MR 5 has been waived .
We also request that would you please kindly extend the tender closing date to August 31, 2024 as lot of issues still pending and even our proposed technical clarifications are still pending.	Refer to Addendum No.3 uploaded on our website.
The question is below: 3000meters well drilling will drilling by contractor by himself or contractor will arrange engineer team to the well site in Kenya training KenGen crew to complete the drilling 3000meters well?	The bidder shall provide ALL the necessary crews to assemble, test, commission, training, drilling of two 3000m geothermal wells, rig move and rig up before rig hand over as specified in the tender document.
Please verify the responsibility of consumptive materials as diesel, grease, hydraulic fluid etc during rig assembly, commissioning and drilling. Please verify the work scope of bidder's team and KenGen's team during rig assembly, commissioning and drilling.	KenGen shall provide the required drilling materials during rig commissioning. The manufacturer shall provide the necessary lubricants and crew to assemble, commission, rig move and drilling of the two wells.
Please verify the type of LC, expected issue bank and negotiation document especially for milestone3~5.	Refer to Addendum No.2 uploaded on our website
The bidder/contractor shall be responsible of delivery, quality, service and spare parts in scope of whole tender equipment. Please clarify the scope of equipment for which MAL are required.	The bidder/ manufacturer shall be delivering all the spares enough for two (2) years operations for ALL the equipment offered in their bid document.
Please verify it's accepted for the TPI from any other international third party like DET NORSKE VERITAS (DNV), Bureau Veritas (BV), France etc.	Provide as per the tender requirement
Please confirm that required max operating height of power catwalk is 35' as per rig's drill floor height requirement.	The max operating of power catwalk shall be as per drill floor height 10.6m (35')

Draw-works 800kW (1074HP) /600V continuous power Can meet the requirements of hook load and hook speed	Maintain draw-works motor technical specifications as per the tender document
Rotary table-800kW (1074HP) /600V continuous power Can meet the requirements of hook load and hook speed	Maintain rotary table motor technical specifications as per the tender document
All Top drive suppliers only have 500T(4500KN) and 750T(6750KN) in two Specification according API Standards. The 750T(6750KN) price is very High, we suggest choice the 500T(4500KN) capacity and meet the 2000HP Rig.	Top drive capacity shall be minimum of 500 tons (454 tonnes/ 1,000,000lb).
Mud pump 800kW (1074HP) /600V continuous power Can meet the technical requirements	Maintain mud pumps motors technical specifications as per the tender document
Both capacities are mentioned in the tender and it's Conflicting: 1, in the Overview, the Pill tank- 60m3 capacity 2, in the specifications, Mud pill chamber is 15m3 (100 Barrels) capacity Please to confirm which capacity will be correct or it's different functions, please description.	The pill tank capacity is 15m ³
Tools and spares · Two (2) Chinese Brand pneumatic high torque nut runners for all the bolt and nut sizes used in the BOP systems. · Two (2) Chinese Brand electric high torque nut runners. · Two (2) sets Chinese Brand hydraulic CTST range of manual return Tentec topside bolt tensioning tools designed to fit ANSI B16.5, ANSI B16.47 Series 1, MSSSP44, API-6A and API-17D flanges.	This should Maintain as specified in the tender document
13-5/8" BOP set Can we provide one Single ram BOP and one Double ram BOP instead of one Tripple ram BOP?	This should Maintain as specified in the tender document
Both are mentioned in the tender and it's Conflicting: 1. Two 1000Hp (or one 2000hp) inverter duty squirrel cage induction motor or an equivalent brushless motor capable of regenerative braking for the draw works. 2. One 1000Hp inverter duty squirrel cage induction motor for the rotary table. 3. Two 1000Hp (or one 2000hp) inverter duty squirrel cage induction motor for each mud pump (three mud pumps in total). 4. One 1000Hp inverter duty squirrel cage induction motor for the top drive or an equivalent brushless motor capable of regenerative braking (if the top drive systems are integrated with the power control room). 5. One spare panel fully functional panel rated for the highest-poared drive, and assignable via assignment cabinet. The aforementioned requirements conflict with the following/specified requirements : 1.SECTION 1: DRAW-WORKS · Two (2) heavy duty splash-proof fully guarded (IP-65), blower ventilated and continuous drive with constant torque AC cage VFD induction motors. Minimum 1150 HP continuous and 1400 HP intermittent, 3pH, 600V-690V. 2.SECTION 2: MAST, SUBSTRUCTURE, TRAVELLING BLOCK AND IRON ROUGH NECK	The variable speed drive shall have sufficient power to drive draw-works, rotary table and mud pumps motors rated at minimum continuous power of 1150Hp, 3pH, 600V-690V.

<ul style="list-style-type: none"> · Motor rating 840kW (1150Hp), 600V-690V <p>3.SECTION 4: MUD PUMPS AND HIGH-PRESSURE MUD LINES</p> <ul style="list-style-type: none"> · Two (2) heavy duty splash-proof fully guarded (IP-65), blower ventilated and continuous drive with constant torque AC cage VFD induction motors. Minimum 1150 HP continuous and 1400 HP intermittent, 3pH, 600V-690V. 	
<p>The variable speed drive assignment cabinet will consist of several 3 phase contactors to assign different variable speed drive</p> <p>Adding a contactor transfer cabinet may increase potential fault points. Therefore, our company can provide three additional sets of inverter modules as backups. If an inverter fails, these backup inverter modules can be used for prompt replacement.</p>	Maintain as specified in the tender document.
<p>Rectifiers</p> <p>If it needs to be fed back to the grid, are there any requirements for the harmonics of the feedback current?</p>	The provided system shall have sufficient filters for harmonic distortion. Bidders shall provide technical details of the system provided.
<p>Please to confirm how many main generators.</p>	Four (4) main CAT 3512B or 3512C generators and one (1) CAT C18 auxiliary generator (450-600kW).
<p>All terrain 100-ton truck crane</p> <p>Automated gearbox Chinese brand, with 10 forward speed and 2 reverse</p> <p>the 1st and 2nd axle steering, 3rd and 4th axle drive</p>	Maintain as specified in the tender document
<p>All terrain 80-ton truck crane</p> <p>Automated gearbox Chinese brand, with 10 forward speed and 2 reverse</p> <p>the 1st and 2nd axle steering, 3rd and 4th axle drive</p>	Maintain as specified in the tender document
<p>Measurement While Drilling Equipment and Accessories</p> <p>Dual data surveys or equivalent specifications is VAROC Technical standards. The single data system is United States GE's communication protocols which is a mud pulse and has no electromagnetic pulse.</p> <p>Request to confirm acceptance the GE specifications.</p>	Maintain the MWD specifications as per the tender document specifications.
<p>Please clarify responsibility and the scope of work:</p> <p>1, Contractor will be dispatch key personal, such as Tool pusher, Driller, mud engineer, etc. Other auxiliary operation person will be arrangement by KenGen.</p> <p>2, consumable such as Diesel oil etc. responsibility by KenGen.</p> <p>3, the accommodation, transportation and safety in the State of location during the service period responsibility by KenGen.</p>	Refer to Addendum No.3 Uploaded on our website.
<p>The TPI company:</p> <p>Aberdeen Drilling Consultant, UK or Oil Field Audit & Service Inc., USA.</p> <p>The two companies could not be contacted, and one of the website can't be open. Could we can choose another TPI Company, such as DNV,BV,etc.</p>	Third party inspection shall be as specified in the tender document.
<p>We are going to participate in the bidding as JV together with other companies. The leader company is a Group company specialized in rig manufacturing with API certificates. Can the bid bond be issued by another member of the consortium?</p> <p>And in the event of winning, can the performance guarantee, and prepayment guarantees be issued by</p>	The lead company MUST submit both the bid security and the performance security. Both securities must indicate the lead company and the other members of the joint venture in accordance with their JV agreement.

another member of the consortium other than the leader company?	
Please confirm the valid period of the tender security. Is it 30 days after Tender Closing Date (i.e. 30 days after 2nd of August)?	The Tender security shall be valid for 30 days beyond the tender validity period ITT clause 18.4. from the Tender Closing Date.
According to Stage 3: Financial Evaluation, Page No. 33, it is stated that All schedules must be quoted for since all schedules will be awarded as a Lot. However, upon review and discussions with several rig manufacturers, some of the Schedules (e.g. tools and accessories) are specific to certain OEMs/Manufacturers and therefore wish to seek a clarification to allow evaluation be conducted on a per schedule basis. This adjustment would accommodate the unique offerings of different manufacturers and ensure that each schedule is evaluated on its own merits. Kindly advise.	The award shall be in LOT . Bidders SHALL quote for all the schedules.
Furthermore, if this is agreeable (Item No.1), the current tender security is punitive for those that can bid for the tools and accessories that are not considered part of the rig. We therefore suggest that the bid bond of bidders who can only bid for specific sections be a percentage of a value advised by KenGen. Kindly advise.	The Tender award shall be in LOT . Bidders must quote for all the schedules as provided in the tender document.
Assembly, Commissioning and Training in Kenya Is it possible to wave the well drilling part and limit the contractor's responsibility to supervision during well drilling, walking, rig-down, move and rig-up.	The successful bidder shall assemble, test and commission the supplied rig by drilling two wells to 3000m as specified in the tender document.

SUPPLIER ACKNOWLEDGEMENT OF CLARIFICATION No.4

We, the undersigned hereby certify that the Clarification No.4 is an integral part of the document and the alterations set out in Clarification has been incorporated in the Tender Proposal.

Signed.....

Tenderer.....

Date.....