



KENYA ELECTRICITY GENERATING COMPANY PLC

**TENDER FOR CONNECTION OF MAKEUP WELLS OW-53B, OW-53C AND
53D TO OLKARIA IAU POWER PLANT AT GEOTHERMAL
DEVELOPMENT DIVISION**

TENDER No. KGN-GDD-070-2019

Date: 20th May 2019

CLARIFICATION No. 3:

In accordance with the **TENDER FOR CONNECTION OF MAKEUP WELLS OW-53B, OW-53C AND 53D TO OLKARIA IAU POWER PLANT AT GEOTHERMAL DEVELOPMENT DIVISION**, KenGen hereby issues **Clarification No. 3**.

ITEM NO.	RELEVANT CLAUSE IN BID DOCUMENT	REQUIREMENT AS PER RELEVANT CLAUSE	CLARIFICATION	EMPLOYER'S RESPONSE
1	Section VI: Technical Specifications: Thermal Insulation Item 9.3 Finishes and appearance of cladding	Metal cladding shall be provided to give a neat, smooth external finish and to protect the insulation of all pipework, ducting vessels and casings.	There is no detailed requirement for the top coat of cladding. The top coat should be 2 layer single colour or 3 layer camouflage colour with pattern specified by the employer	The top coat to be 3 layer Camouflage colour with pattern specified by the Employer.
2	Section VI: Technical specifications 3.4.8 further obligations of the contractor item e	Providing computerized document management system (DMS)	Please confirm if it is indeed required, if yeas give the detail requirement of the DMS.	DMS not necessary in the Contractors obligation.
3	Section VIII: Price Schedules/Bills of Quantities Price Schedule No. 1 Supply of Plant and Materials	N/A	In the BOQ only states the support type no size and embedded depth pile size and depth, please give more information on this.	Read the BOQ together with the drawings. The drawings have more details on supports and more drawings have been issued. (See Replaced Drawings)

4	Section VIII. Price Schedule / Bill of Quantities	N/A	The mobilization fees should be included in the BOQ.	In the Price schedule No. 1 include the following Items 1. Preliminaries as per the requirement of conditions of contract. 2. Mobilization and demobilization fee. 3. Survey
5	Section III: Tender data sheet Clause 16	It refers to ITT clause 10.1 which refers to language of tender whilst the sub clause 3.3 quote therein is not a sub clause in ITT 10.1	Please clarify	Section III Sheet clause 16 – 10.1 shall read the language of tender shall be English.
6	Section VI Part I: Evaluation Criteria, Mandatory requirements clause e	Required Company audited financial Statements for 3 years (2018, 2017 and 2016)	Some 2018 Statements might not be finalized therefore let the requirements be 2017, 2016 and 2015	The required 3 audited financial statements to be 2017, 2016 and 2015.
7	Section VI Part I: Evaluation Criteria, Technical Evaluation, Company experience clause 2.1.2	Experience in Installation of high pressure piping and pressure. 3 projects – 20 marks 2 Projects – 15 marks 1 project6s – 10 Marks Additionally 1No. Project in Geothermal Steamfield Installation – 10 Marks	Review allocation of marks to be as follows. 3 Projects – 25Marks and 1 Geothermal steamfield – 5 Marks. 2 Projects –15 marks and 1 Geothermal steamfield – 5 marks	The marks allocation on Experience of the firm to remain as provided for in the tender.
8	Section VI Part I: Evaluation Criteria, Technical Evaluation, Clause 2.1.3	Availability of Key construction equipment.	Can this availability be demonstrated through leasing?	Yes so long us the lease period falls under the anticipated contract period.

9	Section VI Part I: Evaluation Criteria, Technical Evaluation, Clause 2.1.4	The bidder should produce evidence of availability of at least KES. 200,000,000.00 in terms of credit facility and Annual net income of KES. 500,000,000.00 – 6 marks	Review marks allocation to be as follows Bidder who produce evidence of cumulative availability of at least Kshs 200,000,000.00 in terms of credit facility – 3 marks, Between Kshs 200,000,000.00 to Kshs 100,000,000.00 – 1 mark Bidder with cumulative average annual Income of Kshs 500M to Kshs 400M – 3 Marks, Kshs 300M to Kshs 200M – 2 Marks	Allocation of marks for financial capability to be as follows Bidder who produce evidence of cumulative availability of at least Kshs 200,000,000.00 in terms of credit facility – 3 marks, Between Kshs 200,000,000.00 to Kshs 100,000,000.00 – 1 mark Bidder with cumulative average annual Income of Kshs 500M to Kshs 400M – 3 Marks, Kshs 300M to Kshs 200M – 2 Marks
10	N/A	N/A	We request for additional drawings to facilitate our understanding and interpretation	Additional drawings have been forwarded together with this clarification.
11	Section VI parts A to G	Technical requirements	They are too wide and general. In addition all these requirements have not been captured in the BOQ and following the site visit, most will not be required. Thus need to align the Technical Requirements to the specific needs of the Tender.	Parts A to G are General requirements pertaining the various aspects of Steamfields in general and are necessary so as to cover the Employer's requirements. We then have section VII which narrows down to Specific requirements.
12	Section VI part I, Mandatory requirements sub clause I	The bidders' to provide manufacturer's authorization of all materials, equipment and tools	this need to be aligned to Material and Equipment as captured in the Price Schedule/ BOQ and following amendments to Section IV Part A to G,	Tools have been removed from list that requires manufacturer's authorization as well as brochures and catalogues.

			Tools need to be removed from this clause as well as sub clause m	
13	Section VII part A, Technical Specifications, Steamfield specification requirements, section 2.2 sub clause 6	Refers to Installation of Electrical, Instrumentation, Controls and Actuators, electrical and Control panels and communication as per design. Section 2.5 Control Systems Works.	[This need to be aligned to Section VIII, 8.0] The designs and system architecture need to be provided and the Price Schedule/ BOQ align accordingly.	The Employer has described the Electrical and Instrumentation and control systems that will be worked out by the winning contractor and that's why these works have been provided in the Schedule of prices as provisional sums.
14	Section VIII, Price Schedules/BOQ	With respect to Steam Traps & CDP Fittings, Flash Tank, Well head Flash Tank and Separator, it makes reference to respective specifications in Section VII, however from our review the specifications are in Section VIII, Part B.	Please clarify	For Steam traps and CDP fittings, Flash tanks and separators, make reference to section VIII part B, Technical specifications for materials, equipment and works.

Key Personnel ~ Experience Requirement

No.	Position	Total Work Experience (Years)	Experience in Similar Works (Years)	Qualification Criteria Total Work Experience	Qualification criteria Similar Experience

1	<i>Project Manager</i>	At least fifteen (15) years total experience or equivalent as a manager in construction of civil and pipe line works	Including a minimum of ten (10) Years' experience as project manager of contracts for construction of cross county pressure pipe lines and vessels. (Provide client letter of reference together with reputable contact <u>person</u>).	a) 15 Years and above 3 marks b) Between 5 and 10 Years 2 marks c) Between 1 and 5 years 1 mark	a) Over 10 Years 1.5 marks b) Between 5 and 10 years 1 marks c) Between 1 and 5 Years 0.5 mark
3	<i>Contractors Site Manager (to be Contractor's Representative on Site)</i>	At least fifteen (15) years total experience or equivalent as a manager in construction of civil and pipe line works	Including a minimum of ten (10) Years' experience as project manager of contracts for construction of cross county pressure pipe lines and vessels. (Provide client letter of reference together with reputable	a) 15 Years and above 3 marks b) Between 5 and 10 Years 2 marks c) Between 1 and 5 years 1 mark	a) Over 10 Years 1.5 marks b) Between 5 and 10 years 1 marks c) Between 1 and 5 Years 0.5 mark
4	Project Civil Engineer	At least ten (10) years total experience as a Site Engineer in civil works and pipe line installations	Including a minimum of eight (8) Years' experience in design and construction of civil and structural Works of similar nature. (Provide client letter of reference together with reputable Contact person).	a) 10 years and above 2Marks b) Between 5 and 10 years 1 marks c) Below 5 years 0.5 Mark	a) 8 years and above 1.5 marks b) Between 4 and 8 years 1 mark c) Less than 4 marks 0.5 Mark
5	Project Mechanical Engineer	With more than ten(10) years total experience in	Including a minimum of eight (8) years' experience in	a) 10 years and above 2Marks b) Between 5 and 10 years	a) 8 years and above 1.5 marks b) Between 4 and 8 years

		mechanical works and pipe line installations Engineer	installation and Construction of pressure pipe lines and vessels. (Provide client letter of reference together with reputable	1 marks c) Below 5 years 0.5 Mark	1 mark c) Less than 4 marks 0.5 Mark
6	<i>Chief Electrical Instrumentation and Controls Engineer</i>	With more than ten (10) years total experience as a site engineer in Electrical, Control & Instrumentation works and pipe line installations	Including a minimum of eight (8) years' experience in design and Installation of Electrical, Control & Instrumentation systems. (Provide client letter of reference together with reputable Contact person).	a) 10 years and above 2Marks b) Between 5 and 10 years 1 marks c) Below 5 years 0.5 Mark	a) 10 years and above 1Marks b) Below 10 years – 0.5 marks
7	<i>Health, Safety & Environment Officer</i>	With more than eight (8) (10) years total experience in Health and Safety in a Construction industry.	Including a minimum of four (4) years' experience as a safety officer for complex projects Of similar nature. (Provide client letter of reference together with reputable contact Person).	a) 8 years and above 2Marks b) Between 5 and 10 years 1 marks c) Below 5 years 0.5 Mark	a) Above 4 years 0.5 marks b) Below 4 years – 0 marks
8	<i>QA/QC Manager</i>	With more than eight (8) years total experience in the Construction industry.	Including a minimum of five (4) years experience as quality assurance officer for civil and	a) 8 years and above 2Marks b) Between 5 and 10 years 1 marks c) Below 5	a) Above 4 years 0.5 marks b) Below 4 years 0 marks

			pressure pipe Line projects. (Provide client letter of reference together with reputable contact Person).	years 0.5 Mark	
9	<i>Welding Inspector</i>	With more than ten (10) Years total experience in cross country pipe lines.	Including a minimum of five (5) years' experience as a welding inspector for pressure pipe lines. (Provide client letter of reference together with reputable Contact person).	a) 8 years and above 2 Marks b) Between 5 and 10 years 1 marks c) Below 5 years 0.5 Mark	a) Above 4 years 1 mark b) Below 4 years – 0.5 marks
10	<i>Testing and Commissioning Engineer</i>	With more than fifteen (15) years total experience or equivalent as an engineer in testing and commissioning of pressurized Vessels.	Including a minimum of ten (10) Years' experience as a testing and commissioning Engineer for geothermal steam gathering systems. (Provide client letter of reference together with reputable contact Person).	a) 15 Years and above 2 marks b) Between 5 and 10 Years 2 marks c) Between 1 and 5 years 1 mark	a) Over 10 Years 1 marks b) Below 10 years – 0.5 mark

ACKNOWLEDGEMENT OF CLARIFICATION No.3

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

Signed.....

Tenderer.....

Date