

Our Ref: AWWDA/AFD/NWSP/W-2B/2023-2024 Vol.1PE - ig

24th April, 2024

To all Bidders:

REF: CKE 1135 – NAIROBI WATER AND SANITATION PROGRAM: CONSTRUCTION WORKS FOR GIGIRI – KARURA – OUTER RING ROAD TRANSMISSION PIPELINE PROJECT.

RESPONSES TO CLARIFICATIONS AND ADDENDUM NO 1 TO THE BIDDING DOCUMENT

Reference is made to the ongoing procurement of works for the Construction Works for Gigiri - Karura – Outer Ring Road Transmission Pipeline Project, Tender No. AWWDA/AFD/NWSP/W-02B/2023.

Pursuant to Clause No.7.1 of the Instructions to Bidders, please find attached responses to clarifications as received by AWWDA and Addendum No. 1 to the bidding document.

Also attached are the minutes of the Pre-Bid meeting and site visit held on 15th March 2024, revised Bills of Quantities (Pdf and Excel versions), the ESIA Report and a letter from NCA (National Construction Authority).

All bidders are further notified that the deadline for submitting bids has been extended from **8th May 2024** to **22nd May 2024 at 12.00 pm East African Time.**



ENG. JOSEPH KAMAU,
AG: CHIEF EXECUTIVE OFFICER.

Encl.:

1. Revised Bills of Quantities (Pdf and Excel versions)
2. Project ESIA Report
3. Letter from NCA on contractor registration
4. Minutes of the Pre-Bid and Site Visit

CONSTRUCTION WORKS FOR GIGIRI-KARURA-OUTER RING ROAD TRANSMISSION PIPELINE PROJECT

REQUESTS FOR CLARIFICATIONS BY BIDDERS AND RESPONSES – set 01

S/No.	Request for Clarification / Query	Response
1.	Kindly share the attendance list & the minutes of the Pre-Bid Meeting held on 15 th March 2024; Section: Preliminaries & General Items	Minutes of the Pre-Bid Meeting including the signed attendance list have been circulated to all bidders together with these responses.
2.	Please advise the proportion of the project's funds provided by AFD and by the Government of Kenya [GoK]; Section: Instructions to Bidders [ITB] 2.1	The project cost exclusive of Value Added Tax (VAT) is fully financed by AFD. Only the Value Added Tax (VAT) is to be paid by the Government of Kenya (GoK)
3.	Kindly confirm that all construction sites and pipeline routes will be handed over to the Contractor at Contract award; Section: Resettlement Action Plan (RAP)	Construction sites and pipeline routes will be handed over to the Contractor at Contract award. The Works are limited within existing road reserves and existing NCWSC reservoir sites which do not require land acquisition.
4.	As indicated in Volume II Specification, kindly provide us with the last version of the ESIA and ESMP for us to have a complete understanding of the project's environmental and social requirements; Section: Preliminaries & General Items	A copy of the ESIA Report, with ESMP annexed, has been issued together with these responses to Bidders
5.	Does the Procuring Entity have a recommendation of a suitable location for the successful bidder, to set up its campsite and pipe storage yard?; Section: Preliminaries & General Items	As indicated during the Pre-Bid Meeting, the Employer has no available land or recommendation of a suitable location for the Contractor's Camp and Storage Yard. It will be the Contractor's responsibility to identify the suitable locations for their Site Store and Camp and use of these locations will be at the Contractor's own expenses and responsibility. These will however be assessed and approved by the Engineer prior to setting up.
6.	Further to our verbal request during the Pre-Bid Meeting + Site Visit, Kindly, share the Geotechnical report prepared for this project during the design phase. Our intention is to identify whether there is presence of water and also the nature of soil.; Section: Preliminaries & General Items	Geological Conditions of the Pipeline alignment are clearly indicated in the Plan and Profile Drawings, with locations and a log of the trial pits, indicating nature of soil also indicated.
7.	In connection with the pipe works to be executed within the Karura Forest, will the bidder be liable to pay entrance fees to access the Forest on a daily basis during the construction phase?; Preliminaries & General Items	There will be no daily charges by the KFS for access to the forest by the Contractor staff during execution of the works. The Employer will obtain the authorization for the works from KFS to allow access for daily construction works.
8.	The description column of the tender Bill of Quantities has 68No. references to a series of drawings with the Drawing No. Reference: - M455/W-03. However, the tender drawings that we downloaded from the AWWDA website, tenders link have the Drawing No. Reference: - M455/W-02B. Consequently, kindly advise whether there is a set of new drawings that are yet to be issued to the bidders.; Section: Preliminaries & General Items	The typo has been corrected in the revised Bill of Quantities (Bill No. 2.2 Rev and Bill No. 3.2 Rev) herewith issued, by Deleting M455/W-03/- in the referenced BoQ descriptions and replacing with M455/W-02B/-.

Responses to Bidders requests for Clarifications

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Name: Eng. Caroline Ousako Signature: 

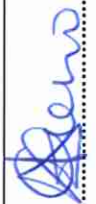
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9.	For Line KO, is the road crossing along Muthaiga North Road at CH 0+740 an open trench crossing or a trenchless road crossing? If it is a trenchless crossing as advised during the Site visit drive-through, then this item has not been accordingly captured in the tender Bills of Quantities.; Section: Bill No. 3.2	Use revised Bill of Quantities (Bill No. 3.2 Rev) herewith issued, incorporating the Access Road to the Pipeline Estate Road Crossing.
10.	Concerning the 6No. Trenchless Crossings captured in the tender Bills of Quantities, kindly advise on the extent of the available road reserve for implementing the tunnelling.; Section: Preliminaries & General Items	The available space beyond the road pavement varies for the different roads. In some cases, the available space is only adequate for the pipe trench, which may necessitate multiple handling of materials. Bidders are required to make arrangement for detailed assessment of the available space and to price for method related charges for working within available limited wayleave, including costs for double/ multiple handling of excavated materials, etc. (See Bill Item A3.5.1).
11.	"The environmental conditions detailed in the tender documentation presented below for ease of reference, represent the bidder's complete obligation towards Kenya Forest Service (KFS): (a) TECHNICAL SPECIFICATIONS; 11. Specific Information & Contractor's Responsibility: - 1103. DESCRIPTION OF PIPELINE CONSTRUCTION AREAS AND CONTRACTOR'S RESPONSIBILITIES" (b) ESHS SPECIFICATIONS: - 17 Biodiversity Consequently, in the event that additional environmental requirements are imposed on the bidder by KFS during the construction phase, the Procuring Entity shall intervene and assist the bidder in its coordination with KFS to ensure the smooth implementation of the project"; Section: Preliminaries & General Items	As stated in Clause 2.2 of the General Conditions, <i>the Employer shall provide, at the request of the Contractor, such reasonable assistance as to allow the Contractor obtain inter alia, ---- any permits, licences or approvals required by the Laws of the Country.</i> This includes any statutory requirements that may be issued by KFS.
12.	Kindly provide the bidders with an Excel format of the issued tender Bills of Quantities (BoQ); Section: Tender Documents/ BOQ	The excel format of the Bills of Quantities have been issued together with these responses to Bidders and Bidders are REQUESTED TO provide an excel sheet fully completed with their bid, in addition to the PDF version. However, the Bidders are NOT ALLOWED to make any modification in the BOQ and only the BOQ issued in PDF format will prevail and shall be the basis for subsequent Contract preparation.
13.	Kindly confirm that this is a Re-measurable (Re-measurement) Contract, i.e., quantities provided in the tender BoQ are subject to remeasurement of actual work done on Site); Section: Tender Documents/ BOQ	As detailed in Clause 12 of the General Conditions, it is a Re-measurable Contract.
14.	Schedules of suppliers for HDPE and Steel or Ductile Iron Pipes, Fittings, and valves are to be submitted. No forms are provided. Kindly submit templates; Section : ITB 11.1(b)	The referenced form is attached in the Bidding Documents Volume 1 as issued to Bidders. Refer to Page 1-70 of the document; Technical Proposal part (i);

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Name: King Caroline Oweko Signature: 

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		Schedule of Manufacturers, (Vendor List) and Price Quotations for Key Equipment and Materials
15.	Kindly clarify chainage where 'Self anchoring pipes' are planned to be laid; Section BoQ, Item X999.1 'Self Anchored joints'	Self-Anchoring joints (provisional quantities) shall be installed in sections with pipe slope of 1:10 or steeper gradients which are prone to slippage (pipeline gradients shown in profiles). The number of self-anchoring joints per section shall be determined on site. Adequate quantities of the pipes and bends with self-anchoring joints have been allowed for in the BoQ.
16.	The Contractor is to supply water for the test. Kindly confirm the availability and location of a live water pipe in the vicinity for the purpose of testing, and flushing the pipeline. Kindly provide the cost of water per m³ that will be charged by the Employer; Section: Technical Specifications [TS] Para 414 'Pressure Testing of Pipelines'	Provision of Water in suitable quality and quantities for purposes of Construction and Pressure Testing shall be the responsibility of the Contractor. The contractor shall liaise with the local Water Service Provider (Nairobi City Water and Sewerage Company) for a metered connection based on existing available water supply systems within the project sites. Bidders can liaise with the WSP for current cost of water per m³.
17.	The test pressure is to be at least 1.5 times the nominal working pressure. The Employer is to advise the applicable nominal pressure for sections Gigiri-Karura Transmission Pipeline and Karura-Outer Ring Road. ; Section: Technical Specifications [TS] Para 414 'Pressure Testing of Pipelines'	See Key Plan and Hydraulic Profile on Drawing No. M455/W-02B/W/GKO/G/LP/01 in Volume III of the Bidding Documents (Book of Drawings.
18.	During the site visit, bidders were informed that the Contractor for this project will not be required to obtain tree-cutting permit from Kenya Forest Service in respect trees and plants to be cut or removed (when necessary) while laying pipes in Karura Forest as the Employer will compensate KFS for such damage. Kindly clarify whether this is true or not	RAP Implementation is the responsibility of the Employer. Any trees to be affected will be enumerated jointly with KFS and included in the Easement fees payable by the Employer
19.	Coating method for ductile iron pipe in BoQ is different from that in the Specifications. BoQ requires ductile iron pipe coating to be zinc-aluminium coating while the Specifications - Clause 1208: Paragraph f) requires ductile iron pipe coating to be metallic zinc spray coating. Cost for the two coating methods varies greatly. Kindly clarify which type of coating method shall bidders follow	Delete paragraph f) of Section 1208 of the Specifications and replace with the following: " F) Pipe Coating <i>Pipes shall be externally protected with an alloy of zinc and aluminium with or without other metals, having a minimum mass of 400 g/m² according to Appendix D paragraph D2.2 of EN 545:2010. The manufacturer shall, in addition to the EN545 certification, provide evidence (tests and references) that the long-term performance of the external coating has been evaluated for the specified field of use.</i>

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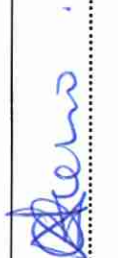
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	<i>For soil resistivity conditions between 250 and 500 ohms/cm or acidic peaty soils with a pH from 4 to 6, pipes shall be externally coated with a ZMU coating, in accordance with EN 15542.</i> <i>For soil resistivity conditions less than 250 ohms/cm, acidic peaty soils (pH below 4 and above 9), or soils containing refuse, cinders, slag or polluted by waste or industrial effluents, pipes shall be externally coated with Polyurethane coating, in accordance with EN 15189.</i> <i>Fittings of DN < 1200 mm shall be both internally and externally coated with a fusion bonded epoxy coating with a minimum dry film thickness of 250 µm, according to EN 14901:2019.</i> <i>Fittings of DN ≥ 1200 mm shall be:</i> <i>- either both internally and externally coated with a fusion bonded epoxy coating with a minimum dry film thickness of 250 µm, according to EN 14901:2019.</i> <i>- or internally coated with a polyurethane coating in accordance with EN 15655-1:2009, with a minimum dry film thickness of 800 µm and an average dry film thickness of 1500 µm. The same fittings shall be externally coated with a polyurethane coating in accordance with EN 15189:2006, with a minimum dry film thickness of 700 µm and an average dry film thickness of 900 µm.</i> <i>The manufacturer shall provide evidence of more than 10 years of experience in the application of the coating proposed.</i> Bidders attention is also drawn to Paragraph (i) of section 1208 where bidders are allowed to specify as an option other equivalent lining and coating materials with evidence and supporting standards that they are superior and more robust. Adopt the Fusion Bonded Epoxy lining as specified in the specifications. See Revised BoQs.
20.	Pipe lining method for steel pipe in BoQ is different from that in the Specification. BoQ requires steel pipe lining to be cement mortar lining while the Specifications - Clause 1207: Paragraph g) - Pipe Lining requires steel pipe and fittings above DN600mm to be lined in fusion-bonded epoxy. Kindly clarify which type of lining method shall bidders follow.

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21.	The quantity of 12,000,000 indicated on Bill No.1,Item A429.8, which is the % Adjustment to the provisional sum Items A429.5 to A429.7 does not correspond with the amount when added together to ksh16,000,000.Please Clarify.	The typo has been corrected in the revised Bill of Quantities (Bill No. 1 Rev herewith issued), by replacing 12,000,000/- with 16,000,000/- on the Rate Column for Item A429.8
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