Our Ref: KETRACO/PT/045/2023 **2nd May 2025**

Notice to all Bidders.

TENDER ADDENDUM AND CLARIFICATION No. 20 (TAC 20)

RE: Procurement of Plant, Design, Supply and Installation of the 220kV Mariakani - Dongo Kundu Transmission Line and Associated Substations (KETRACO/PT/045/2023)

The following amendments are made to the specified provisions for the bidding documents for procurement of plant, design, supply and installation of the 220kV Mariakani - Dongo Kundu Transmission Line and Associated Substations (KETRACO/PT/045/2023).

Save where expressly amended by the terms of this clarification, the Principal Tender Document shall continue to be in full force and effect.

Find herein the ADDENDUM and CLARIFICATION No. 20, consisting of thirty-six (36) pages into the Principal Tender Documents as attached. This document should be returned along with dully-filled Form of Tender.

All other terms and conditions of the Request for Proposal document remains the same.

SENIOR MANAGER, SUPPLY CHAIN

Tender Addendum and Clarification No. 20 of Tender No. KETRACO/PT/045/2023 has been received and incorporated in the Tender Documents.

Name of Tenderer *(in block letters)*: _____

_____

Signature: _____

Date: _____

Signed for the Tenderer by *(Name in block letters)*: _____

In the office bearer capacity of: _____

A. Clarification No.20

Sl no.	Vol/Clause/ Reference	Description	Seq. Page No	Inquiry	Replies / Responses
1.	Section VI-1B: Transmission Line Specifications 5.13 Technical Schedule	Tower design particulars / Quality of Tower Materials	05 - STEEL TOWER DESIGN	Kindly Confirm the grade of bolt whether 6.8 or 8.8	For tower bolts, grade 5.6 or higher grade per ISO 898 specification shall be adopted. The contractor to propose a size following their tower design optimization.
2.	Vol II of VII Part 2	05-MSEZ-2022-TL-C-004_Standard Type of Towers_1		Can we propose different shape of Ground wire Peak to optimize the tower weights than shown in the typical Tower Outlines? Please confirm.	Not acceptable
3.	Technical Schedule of Overhead Line Conductors Clause 2.4 & Clause 5.1	Basic Design Factors, General		As per clause 2.4, the basic wind velocity mentioned is 40m/s however, as per Section VI-1B: Transmission Line Specifications, Clause 5.13 Technical Schedule clause 2, Basic Wind velocity is 39 m/s. In this please clarify the following: - 1. Kindly clarify which is the designed wind speed.	Refer to Tender Addendum and Clarification no. 5 item no. 12 for the basic wind speed.
4.	Volume II of VII-PART 2 & 22-Section-VI-1E-Drawings-Transmission Line	08-Section VI-1B_05_Steel Tower Design-20231124	VI-1B-05-8	2. As per Technical Schedule of Overhead Line Conductors, clause 2.4, we see same value of the wind pressure i.e. 1000 Pa for Insulators, Conductors & Earthwires which seems to be incorrect. So kindly clarify.	The bidder shall calculate the applicable wind pressure values using the specified wind speed and associated parameters per specifications utilizing the latest version of IEC 60826.

Sl no.	Vol/Clause/ Reference	Description	Seq. Page No	Inquiry	Replies / Responses
	5.7.2 Angle and terminal towers			3. Kindly clarify as per cluse 5.1, "The wind pressure on the steel tower and the insulator sets shall be proposed and filled in the Technical Schedule by the Contractor in accordance with the IEC or ASCE standard". We propose to use IEC 60826 Standard with Terrain Category B with Terrain Roughness Factor as 1. Please confirm.	The latest version of the IEC 60826 standard shall be applicable. Refer to Tender Addendum and Clarification no. 5 item no. 13.
5.	22-Section-VI-1E-Drawings-Transmission Line & 07-Section VI-1B_04_Insulators and Fittings-20230704 Clause 4.2.6 a			As per 07 Section VI Insulators & Fittings clause 4.2.6.a, The Counterweights shall be exclusively used for Jumper Suspension Insulator Sets however, as per 05-MSEZ-2022-TL-C-004_Standard Type of Towers_1, it is mentioned that, The Counterweights shall be used for Suspension Insulator Sets also. Kindly clarify whether we need to use counterweights for both Suspension & Jumper Suspension Insulators also? 2. As per Clause 4.2.6, "Double insulator strings shall be designed to ensure that following the breakage of one insulator string, the set shall remain intact and withstand the resulting static and dynamic loadings imposed" Kindly clarify whether the Insulator String for Suspension Insulators shall be with Single Point or Two Points attachment on Tower Cross arm.	1. Counterweights should be applicable both for suspension (Single and Double String) insulator string sets as well as Jumper 'Pilot' Insulator String sets (Which is suspension by nature) as the case maybe hence the need to have these insulator string sets designed with a mechanism / facility to facilitate attachment of the counterweights if design necessitates them. Its anticipated weight (as specified) should contribute to the tower loadings during design. 2. Single point is applied as shown in the drawing no. MSEZ-2022-TL/E-005

Sl no.	Vol/Clause/ Reference	Description	Seq. Page No	Inquiry	Replies / Responses
6.	Vol II of VII Part 2	05-MSEZ-2022-TL-C-004_Standard Type of Towers_1		➢ Kindly clarify about the value of "Allowance" to be considered as shown in the Typical Tower Outlines while calculating the height below bottom cross arm of Towers.	To be designed based on the sub-clause 5.2 of Section VI-1B: Transmission Line Specifications 05 – Steel Tower Design. Note that the maximum sag is to be informed by Sag-Tension Calculations to be undertaken by the Contractor and approved by the Engineer guided by the specifications.
7.	C1 - Transmission Line Price Schedules Section VI-1B : Transmission Line Specifications 5.13 Technical Schedule	-	SCHEDULE NO.3: Supply of Plant (Off-Site)	We have observed mismatch in Price Schedule Quantities with respect to Total Number of Foundations for Tower Type 220T60, 220T90 & 220Trm with respect to Tower Quantities. Hence, kindly provide revised Price Schedule. 2. As per Price Schedule, we see mismatch in Double Tension Insulators Quantities with respect to Tension Type Tower Quantities. Hence, kindly provide revised Price Schedule.	1. Quantities in the price schedule are estimates, and the Contractor will be paid for actual quantities at the applicable unit rate(s) provided in the price schedules. Bidders are thus required to submit their bids considering the quantities provided for in the price schedule as the final to be paid for shall be confirmed upon conclusion of design 2. Refer to Revised price schedule in Tender Addendum and Clarification no. 17.

Sl no.	Vol/Clause/ Reference	Description	Seq. Page No	Inquiry	Replies / Responses
8.		Particulars of Towers	05 - STEEL TOWER DESIGN	For Tower Type 220S, Height above ground of bottom conductor cross arm is mentioned as 23m while, Tower body dimensions at bottom crossarm level (transverse x longitudinal) is 2m x 2m. 1. Kindly clarify whether we can optimize these dimensions in order to optimize the Tower Weights? 2. If we need to maintain these dimensional constraints then, kindly furnish the Bottom Cross Arm dimensions for tension & terminal towers also.	This is an EPC contract, and the Contractor is to design a tower complying with the provisions of clause 5 of Section VI-1B: Transmission Line Specifications and other relevant contract clauses.
9.	C1_TRANSMISSION LINE PRICE SCHEDULES Additional Steel Work		307	As per Price Schedule Item No 307 Additional Steel Work, kindly elaborate the details of work required.	Refer to Tender Addendum and Clarification no. 2 item no. 6
10.	Section VI-1B : Transmission Line Specifications 6.4 Technical Schedule	Technical Schedule	06 - FOUNDATION DESIGN	We have following queries with respect to Foundation Design: - 1. The grade of reinforcement is not Specified. Please clarify whether we consider it as Fe460 or Fe500? Please confirm.	The bidder shall propose the grade of re-bar with the design. Based on the international standard.

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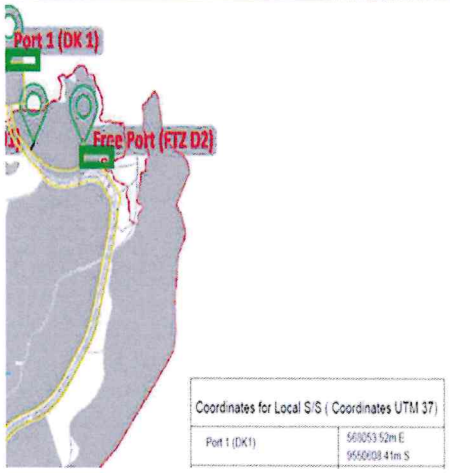
Sl no.	Vol/Clause/ Reference	Description	Seq. Page No	Inquiry	Replies / Responses
				2. The Factor of Safety for Foundation Loadings are specified as 2.5 & 1.75 for Normal Condition & broken wire condition respectively. Kindly specify whether these factors shall be considered over and above maximum simultaneous working foundation reactions	Confirmed.
				3. For Special Foundation such as Pile Foundation, kindly furnish the depth of top soil to be ignored for Foundation Design Calculations.	The bidder shall propose after investigation of the site.
				4. For Special Foundation such as Pile Foundation, kindly furnish the grade of Concrete & Grade of Reinforcement.	Refer to SectionVI-2B-Specification-Substations 27- Civil & Structural Works, for concrete and reinforcement specifications.
				5. Kindly provide Ground Water Table heights to be considered for Soil Class 3A, 4A, 5A & 6.	Groundwater level shall be as per Table 6.2 Schedule of Foundation Design Particulars, of Section VI-1B-06-Foundation Design.
11.	Addendum and Clarification No.3	Coordinates for Local Substation: TAC- 3 Attachments		As per the response received from KETRACO regarding the Locations of the Local Substations in Sr. no. 53, the location of Local Substation **Port 1 (DK 1)** is as follows: *(568053.52m E, 9550608.41m S).* We have made visit to the abovementioned location to assess the site conditions and wish to inform you that, the substation **Port 1 (DK 1)** is coming under the area of water	The locations of the Local Substations provided is tentative. All stakeholders of the Special Economic Zone will agree on the exact location during implementation. The location will have been reclaimed and workable during implementation. The location of Port 1 DK 1 Local substation is near the port on the utility

Sl no.	Vol/Clause/ Reference	Description	Seq. Page No	Inquiry	Replies / Responses
				where there is high possibility of high and low tidewaters flooding from the sea. Please refer to the below screenshot of the same.  In view of this we request you to provide the revised new Coordinates for the Local Substation **Port 1 (DK 1)** so that the substation is away from the sea waters. Or Provide the highest tide levels of the location and the soil investigation report for **Port 1 (DK 1)**.	zone of the access road which is part of the section to be reclaimed by other contractors (port / road contractor) in the Special Economic Zone.
12.	02-Section VI-2A-Scope of Work- Substations-20230704	General Works		We understand that the clear plot will be handed over and there is no demolition work or shifting of utility above ground and underground. Please confirm.	Refer to provisions of sub-clause 4.2 Site Facilities of VI-2B: Specifications – Substations Scope & Preliminary General Requirements for Substation.
13.	02-Section VI-2A-Scope of Work- Substations-20230705	1.4 Site formation and up keeping		We request to confirm whether we can construct the substation on a single level platform.	The substation area shall be a single level platform as far as practicable.

Sl no.	Vol/Clause/ Reference	Description	Seq. Page No	Inquiry	Replies / Responses
14.	02-Section VI-2A-Scope of Work- Substations-20230706	B. CIVIL ENGINEERING REQUIREMENT		Kindly share the High flood level of the substation plot area.	This is an EPC contract. It is the responsibility of the bidder to investigate the flood levels considering proposed substation site.
15.	02-Section VI-2A-Scope of Work- Substations-20230707	1.4 Site formation and up keeping		Kindly confirm if land development shall be done only for the switchyard area or for the entire plot area.	Development including but not limited to surface gravelling to specifications shall be conducted on the entire plot area.
16.	02-Section VI-2A-Scope of Work- Substations-20230709	1.11.3 Surface water drainage system		1. We assume that the discharge point for the substation drain will be just nearby substation plot boundary. Please confirm 2. Please confirm if drain to be provided on one side of the road or both sides.	1. Not confirmed. Refer to sub-clause 1.1.1.2.5. Drainage, in Section VI-2B-27-Specifications-Civil & Structural Works 2. Refer to the drawing no. MSEZ-2022-SS-C-018.
17.	Volume II of VII-PART 2	Section VI. Employer's Requirements 1B-Specification-01-General_r1	.17 Compliance with Regulations:	1.17 Compliance with Regulations: All apparatus and materials supplied and all work carried out shall comply in all respects with such of the requirements of the Regulations and Acts in force in the State of KENYA as are applicable to the Contract Works and with other applicable Regulations to which Employer is subject. Kindly confirm whether the winning bidder is required to comply with the Rules gazetted on May 18, 2022, under Legal Notice No. 20 of 2022. This includes the mandatory temporary registration of foreign engineers involved in project implementation and the associated costs as outlined in the EBK guidelines.	Bidders to undertake due diligence and comply with regulations that govern construction works in Kenya.

Sl no.	Vol/Clause/ Reference	Description	Seq. Page No	Inquiry	Replies / Responses
18.	Tender Addendum & Clarification TAC 6 SEZ DONGO KUNDU & Section VI. Employer's Requirements 1B - Specification Transmission Line - 04 Insulators & Fittings	Tender Clarification & Description as per Section VI - 04 Insulators & Fittings Mismatch	Page No 23/28 Clarification No 59	As per Tender Clarification TAC6, Page 23/28 Clarification No 59, minimum creepage distance is 31mm/kV is Confirmed for 220kV Voltage, which corresponds to Overall Creepage Distance of 7595mm. However, as per Section VI. Employer's Requirements 1B - Specification Transmission Line - 04 Insulators & Fittings, 4.3 Technical Schedule, Overall Creepage Distance for Suspension & Tension Insulators is specified as 10160 mm. Hence, kindly confirm the value of minimum creepage to be considered.	Minimum creepage distance of 31mm/kV is confirmed for 220kV Voltage.
19.	Volume II of VII-PART 2 & 22-Section-VI-1E-Drawings-Transmission Line	05-MSEZ-2022-TL-C-004_Standard Type of Towers_1		As per the Outlines diagram of Suspension & Tension Towers, It's observed that swing angles for Suspension Insulator, Jumper Loop & Jumper Suspension Insulator are identical & are up to 65 deg. We feel that, the swing angles for Jumper Loop & Jumper Suspension Insulator are incorrect & shall be lesser than 65 deg. Hence, we request to kindly confirm the swing angle values for Jumper Loop & Jumper Suspension Insulator sets along with required electrical clearances & provide the revised tower outlines depicting the correct swing angles.	Swing angles and electrical clearance in drawing no. MSEZ-2022-TL-C-004 to be applied.

Sl no.	Vol/Clause/ Reference	Description	Seq. Page No	Inquiry	Replies / Responses
20.	Volume II of VII-PART 2 & 07-Section VI-1B_04_Insulators and Fittings-20230704 & 07-MSEZ-2022-TL-E-005_Outline Drawing for Insulator Stringing Set_r1 4.2.6 Clamps and fittings	Mismatch in Insulator Hardware Drawings between outline of Insulator Strings & 07-Section VI-Insulator & Fitting Requirement		As per the Outlines diagram of Insulator Hardware & Fittings, Double Tension Insulator is shown with Shackle & with Single Point attachment to Tower Cross arm. However, as per Section VI-Insulator & Fittings requirement, clause 4.2.6, it is mentioned that attachments of suspension and tension insulator sets to the cross arm of towers shall be of 'hinge' type. Hence, there seems to be mismatch between Insulator Drawings & Specification requirement. We are considering Hinge Type connection (for suspension/tension string) & with Double Point Attachment on Tower Cross arm for tension string. Kindly confirm whether our understanding is correct.	Confirmed. Attachments of suspension and tension insulator sets to the cross arm of towers shall be of 'hinge' type.
21.	Addendum No. 2	Section VI – 2B Clause 3.3 3.3. Software	Page 24 of 42	Please provide us below details related to ETAP software Modules, features capabilities: 1. Modules of the software 2. Type of license Configuration i.e. STAND Alone, LAN or RWAN license Number of buses i. e 500, 1000, 2000, 5000, 10000, Unlimited	1. Modules of the Software should cover 'Analysis &Simulation' and 'Electrical Network Design'. 2. The license should be network server based as clarified in Tender Addendum and Clarification no.2, RWAN License would be appropriate. 3. Unlimited number of Buses.

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Sl no.	Vol/Clause/ Reference	Description	Seq. Page No	Inquiry	Replies / Responses
22.	Volume II of VII-PART 2 & 22-Section-VI-1E-Drawings-Transmission Line 5.7 Applied Loads, Broken Wire Conditions	08-Section VI-1B_05_Steel Tower Design-20231124	VI-1B-05-7	As per description in the clause 5.7 Applied Loads, Broken Wire Conditions, kindly clarify whether Broken Wire Condition shall be considered with full wind or without wind.	Please refer the item No. 3. Design Span of the Technical Schedule. Calculation shall be considered with full wind inclusive of all scenarios of wind directions e.g. perpendicular and oblique, reversed etc.
23.	Volume II of VII-PART 2 & 22-Section-VI-1E-Drawings-Transmission Line 5.7 Applied Loads, Broken Wire Conditions	08-Section VI-1B_05_Steel Tower Design-20231124	VI-1B-05-7	As per description in the clause 5.7 Applied Loads, Broken Wire Conditions, At the conductor attachment points not affected by the broken-wire loads, all loads shall be the normal transverse, the normal, minimum (or uplift) values for vertical loads and the longitudinal loads specified in Clause 4.6 of this Technical Specification. However, the clauses such as 4.2, 4.6 are not furnished in the Technical Specification & likewise, Technical Schedule related Tower Loadings as per Clause 5.7.2 & 5.8 is missing. We request you to kindly furnish the above-mentioned details for clarity.	Disregard 4.2, 4.6 and refer to sub-clause 5.2 and 5.6. Tower loadings shall be calculated by the Contractor incorporating all the specified parameters as part of the design process and the same shall be subject to Employer / Employer's Representative's review/approval.
24.	Volume II of VII-PART 2 & 22-Section-VI-1E-Drawings-Transmission Line 5.7.2 Angle and terminal towers	08-Section VI-1B_05_Steel Tower Design-20231124	VI-1B-05-8	As per description in the clause 5.7.2 Angle & Terminal Towers, The angle towers and terminal towers shall be designed for the full unbalanced longitudinal forces at maximum working tension due to the simultaneous breakage of two points of any combination among phase conductors and earth conductors on the same side of the tower, we	Not correct. Breakage of two points of any combination among phase conductors and earth conductors on the same side of the tower is expected which can include your proposal and consideration of any two (2) phases as well.

<table>
<tr><th>Sl no.</th><th>Vol/Clause/ Reference</th><th>Description</th><th>Seq. Page No</th><th>Inquiry</th><th>Replies / Responses</th></tr>
<tr><td></td><td></td><td></td><td></td><td>are considering One Ground Wire & Any One Phase broken on same side same span.
We are not considering Any Two phases broken on same side same span.

Kindly clarify whether our consideration is correct?</td><td>This is to be evaluated during the design stage towards ensuring that the most onerous governs design.</td></tr>
<tr><td>25.</td><td>Volume II of VII-PART 2
&
22-Section-VI-1E-Drawings-Transmission Line</td><td>10-MSEZ-2022-TL-E-007_Tower Accessories / Step Bolt Drawing</td><td></td><td>Kindly specify the length, grade & diameter of step bolts to be considered for the design purposes.</td><td>To be proposed in the design stage.</td></tr>
<tr><td>26.</td><td>Type Test</td><td></td><td></td><td>Please advise the list of Type tests to be performed on the following OHTL items
➢ Lattice Steel Towers
➢ LL-ACSR Conductor
➢ Long Rod Insulators
Hardware Fittings</td><td>For tests to be carried out, refer to Section VI-1B:Transmission Line Specifications -13- Tests</td></tr>
<tr><td>27.</td><td>C1 - Transmission Line Price Schedules issued with TAC 2

C1-TL. Schedule No.3 SCHEDULE NO.3: Supply of Plant (Off-Site)

C1-TL.Schedule No.4</td><td>Discrepancy in quantity of Towers and Foundation for Towers in Schedule No-3 and Schedule No-4</td><td></td><td>As per the referred Schedules in C1 - Transmission Line Price Schedules we have observed discrepancies in quantity of Towers and Foundation for Towers which are as follows
<table>
<tr><th>Tower Type</th><th>Qty in Sch 3</th><th>Qty in Sch 4</th></tr>
<tr><td>220S</td><td>115</td><td>116</td></tr>
<tr><td>220T 10</td><td>10</td><td>11</td></tr>
<tr><td>220T 30</td><td>10</td><td>11</td></tr>
<tr><td>220T 60</td><td>6</td><td>8</td></tr>
</table></td><td>Quantities in the price schedule are estimated quantities and bidders are required to quote for the quantities as provided for. The contractor will be paid for actual quantities at the unit rate provided in the price schedule.</td></tr>
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Sl no.	Vol/Clause/ Reference	Description	Seq. Page No	Inquiry	Replies / Responses
	Schedule No. 4: Construction, Installation and Testing (On-Site)			<table><tr><td>220T 90</td><td>3</td><td>8</td></tr><tr><td>220 Trm</td><td>2</td><td>8</td></tr></table> Please confirm exact quantities of Tower to be supplied and the corresponding Foundation for towers. Also, please provide revised price schedule with the corrected quantities of Towers to be supplied and the corresponding Foundations for those Towers.	
28.	C2_SUBSTATION PRICE SCHEDULES - SCHEDULE NO.4 - Schedule No. 4: Construction, Installation and Testing (On-Site) Item No. 433 & 434	433 - 110 V DC Batteries, Chargers, and DC Distribution Equipment 434 - 48 V DC Batteries, Chargers, and DC Distribution Equipment Unit – Set Quantity – 21		We presume that Quantity should be 2 sets for both Item No. 433 & 434. Please confirm.	Unit - Lot, Quantity -1 <u>Item 433</u> 1 Lot – 2 Sets of 110 VDC battery banks, 2 sets of 415 V AC/110 V DC chargers, DC distribution equipment and and 2 sets of Inverter. Unit - Lot, Quantity -1 <u>Item 434</u> 1 Lot – 2 Sets of 48 V DC battery banks, 2 sets of 415 V AC/ 48 V DC chargers, DC distribution equipment.

Sl no.	Vol/Clause/ Reference	Description	Seq. Page No	Inquiry	Replies / Responses
29.	Tender Addendum and Clarification No. 15 (TAC 15) KETRACO/PT/045/2023 30th July 2024	Clarification Item No. 1 (TAC 15) Pdf Pg. 3/11	 As per IEC standard there is no reference for cumulative ampere rating. Hence, kindly provide the relevant IEC clause reference enabling us to consider.	Manufacturer's own reference data to be submitted. If not available, mentions that "not applicable".
30.	General	Type Test	Please note that all offered Equipment design for this project is already Type Tested. Hence, we will submit the Type Test report for review and approval as per standard practice. Also, note that Type test will not be repeated for the offered equipment in this project. This is applicable to the following Equipment: a) 220kV Circuit Breaker b) 220kV Disconnector & Earth Switch c) 220kV Capacitive Voltage Transformer d) 220kV Current Transformer e) 220kV Surge Arrester f) 33kV Capacitor Bank & Relevant Equipment's	Type test reports to be provided as per the specifications in the Employer's requirements.
31.	General	Routine Test & FAT	As per standard practice, 100% of the offered equipment will be tested during Routine Test and 10% of the offered equipment will be tested during FAT. This is applicable to the following Equipment: a) 220kV Circuit Breaker b) 220kV Disconnector & Earth Switch c) 220kV Capacitive Voltage Transformer d) 220kV Current Transformer e) 220kV Surge Arrester	100% of the following equipment shall be tested and certified in the FAT: a) 220kV Circuit Breaker b) 220kV Disconnector & Earth Switch c) 220kV Capacitive Voltage Transformer d) 220kV Current Transformer

Sl no.	Vol/Clause/ Reference	Description	Seq. Page No	Inquiry	Replies / Responses
				f) 33kV Capacitor unit & Relevant Equipment's Please confirm your acceptance.	e) 220kV Surge Arrester f) 33kV Capacitor unit & Relevant Equipment's
32.	05-Section VI-2B-01-Specifications-Circuit Breakers-20230704	1.1.2. Standards Pdf Pg. 3/22		**1.1.2. Standards** Unless otherwise stated in this specification, the delivery shall fulfil all requirements of the relevant IEC standards. The latest revision of the standards shall be applicable as they are valid on the date of both the Bidding and the Contract. Full type test reports certified by an approved laboratory affiliated with international organizations who is a member of the Short-Circuit Testing Liaison (STL) proving the successful passing of such tests shall be provided. Please note that the offered Equipment design have successfully passed Type Test as per IEC 62271-100 from International accredited laboratory (member of STL) and some tests are successfully passed from laboratory who is having an accreditation from National Accreditation Board Testing & calibration Laboratory (NABL). Also, similar design products are supplied to Kenya and globally. Please confirm your acceptance. This comment is applicable also for Disconnector/Earth Switch. Please accept.	All data concerned with Type Tests and testing laboratories to be submitted for the Employer's review and approval/concurrence.
33.	Technical Data Sheet for Circuit Breaker	Clause 1.34 b) Pdf Pg. 22/22 Electrical contact life in number of operations at: Fault current - 40 kA		Please clarify the technical reasoning behind the specific requirement of 15-20 operations. This requirement is not defined in the IEC standard.	This is KETRACO's standard, to be maintained.

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Sl no.	Vol/Clause/ Reference	Description	Seq. Page No	Inquiry	Replies / Responses
34.	10-Section VI-2B-06-Specifications-Power Transformer-20230704	Clause 6.22.3.2 Short-circuit Pdf Pg. 27/101		Short-circuit: In-lieu evidence from demonstrably similar units and/or mechanical and thermal calculations shall be provided to demonstrate clear margins of short-circuit current withstand at system fault levels for all transformers. All tests and calculations shall be fully in accordance with IEC 60076-5. We presume that only short circuit calculation will be submitted for review and approval, Short Circuit test is not required. Please confirm your acceptance.	Confirmed. Only short circuit calculations shall be provided for review and approval, Short Circuit test is not required to be performed
35.	10-Section VI-2B-06-Specifications-Power Transformer-20230704	6.22.7.1 Type Test 6.22.7.1.1 Vacuum & 6.22.7.1.2 Pressure Pdf Pg. 32/101		6.22.7.1.1 Vacuum One transformer tank, tap changing compartment, radiator and cooler of each size shall be subjected when empty of oil to the vacuum test level specified in the Schedules. There shall be no permanent deflection of the stiffeners, nor shall the permanent deflection of the panels exceed the value specified in the following table: **Major dimension of panel between stiffeners** / **Maximum permanent vertical or horizontal deflection** Up to 1.5 m – 3mm 1.5 m – 3.0 m – 8mm Above 3.0 m – 13mm A further test at a vacuum equivalent to 3 M bar absolute pressure for a period of 8 hours shall be made for the purpose of checking the mechanical withstand capability of the tank; during this test no damage or fractures shall occur. This test is only applicable to units of 220kV and above and may be combined with other tests or made during the processing of the unit. 6.22.7.1.2 Pressure One transformer tank of each size shall be subjected to a pressure corresponding to the normal pressure plus 35 kN/m2. After the release of the excess pressure there shall be no permanent deflection of the stiffeners nor shall the permanent deflection of panels between stiffeners exceed the value specified in the above table. This test may be combined with a routine oil leakage test. The tap changer barrier shall be shown to withstand an over pressure test of normal pressure plus 35 kN/m2 for 12 hours. Please note that Vacuum & Pressure test are not performed during FAT with complete assembled Transformer because these tests should be conducted on transformer main tank before assembly as per standard practice. However, Vacuum & Pressure test will be witnessed by manufacturer and Test report will be submitted for customer review during FAT. Please confirm your acceptance.	Not acceptable. Vacuum & Pressure test to be done during FAT.

Sl no.	Vol/Clause/ Reference	Description	Seq. Page No	Inquiry	Replies / Responses
36.	10-Section VI-2B-06-Specifications-Power Transformer-20230704	Clause 6.22.2 Routine Tests Clause 6.22.11 Structures Clause 6.22.12 Galvanizing Clause 6.22.12 Galvanizing Pdf Pg. 26, 35/101		• Mounting diagram check; • Performance check. 6.22.11 Structures • A representative sample of each type of support structure being provided shall be assembled prior to dispatch to site, and loads applied which simulate the specified design parameters. 6.22.12 Galvanizing • Samples selected by the Employer of all galvanized material shall be subjected to the galvanizing tests set out in BS EN 10244-2 (Testing of Zinc Coating on Galvanized Wires) or BS EN ISO 1461 (Testing of Zinc Coating on Galvanized Articles other than Wire) whichever is applicable. The above tests are not in IEC standards and detailed requirements about testing are not mentioned in the specification. Hence it shall be conducted based on manufactures standards, please confirm our understanding.	The manufacturer will submit the Quality Control manual for the Employer's review and approval.
37.	09-Section VI-2B-05-Specifications-Surge Arresters-20230704	5.15. Testing and Inspection Clause 5.15.3. Standard Factory Acceptance Tests Pdf Pg. 8/12		**5.15.3. Standard Factory Acceptance Tests** Please note that the Thermal Stability Test being a special Test it will be performed before FAT and is not performed on complete surge arrester. FAT will be carried out separately in a different schedule after completion of thermal stability test.	Acceptable. Thermal Stability Test will be performed before FAT and is not performed on complete surge arrester. However, the test results of the thermal stability will be required to be submitted to the Employer for review and approval.

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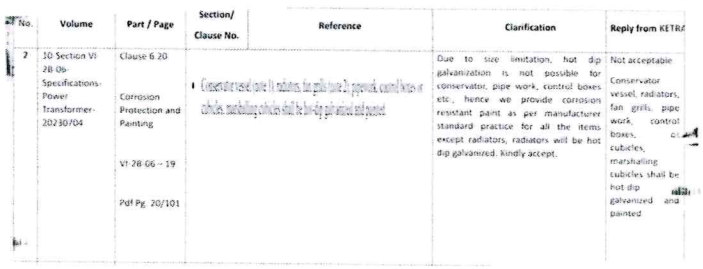
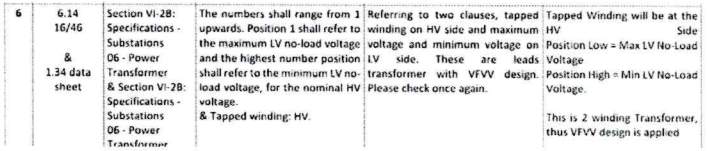
Sl no.	Vol/Clause/ Reference	Description	Seq. Page No	Inquiry	Replies / Responses
			Also note that Lightning Impulse Test (Acceptance test) & Thermal Stability Test (Special Test) will be carried out in 1 unit of Surge Arrester. Please confirm your acceptance.		Not acceptable. Lightning Impulse Test (Acceptance test) & Thermal Stability Test (Special Test) will be carried out on all Surge Arrestors.
38.	09-Section VI-2B-05-Specifications-Surge Arresters-20230704	Clause 5.3: General Pdf Pg. 4/12	The power frequency spark-over voltage, residual voltage and the impulse spark-over-voltage of the arresters shall be lower than the corresponding voltages of the equipment in the system, which they are installed. The data shall be stated in the performance and guarantee sheets. Proposed surge arrester is gapless design, hence Power frequency spark-over voltage and impulse spark-over voltage is not applicable for gapless design of surge arresters. Please confirm your acceptance.		Confirmed.
39.	09-Section VI-2B-05-Specifications-Surge Arresters-20230704	Clause 5.14 Corrosion protection Pdf Pg 7 of 12	**5.14. Corrosion protection** Steel parts shall at the outside be protected against corrosion by means of hot dip or spray galvanizing and additional painting. Aluminium parts shall be protected at the outside by painting and may be made gastight by lacquering at the inside. The offered surge arresters with standard materials and components have been installed in different environments including coastal areas with high salinity and industrial areas with high humidity and aggressive atmosphere without any negative effects that led to a degradation in functionality. Therefore, unless we are advised by the user of defined negative experience in their specific environment with metals of aluminium, A2 grade stainless steel, ISO 10684 galvanized fasteners, Hence, we do not foresee the need to apply any additional corrosion protection measures.		The proposal to be reviewed and confirmed during the detail design stage.

Sl no.	Vol/Clause/ Reference	Description	Seq. Page No	Inquiry	Replies / Responses
40.	09-Section VI-2B-05-Specifications-Surge Arresters-20230704	Clause 5.15.3. Standard Factory Acceptance Tests		• Minimum Current Operation Tests Mombasa SEZ (Electricity) VI-2B-01 - 7 Section VI. Employer's Requirements 2B-Specification- Sub 05-Surge Arresters. R • Maximum Current Withstand Tests • Residual voltage test on the complete Arrester; • Measurement of resistive and capacitive components of the leakage current on the complete Arrester at power frequency voltage; A. Please note that the below specified Tests are not part of IEC. Our offer LA will be tested during FAT inline with IEC. a) Minimum Current Operation Tests b) Maximum Current Withstand Tests c) Measurement of resistive and capacitive components of the leakage current on the complete Arrester at power frequency voltage In case if the above test is required, please provide the specifcation for the stipulated test enabling us to review. B. Please note that "Residual voltage test on the complete Arrester" is already covered under "Lightning impulse residual voltage test on the complete arrester" clause 5.15.3. Standard Factory Acceptance Tests. Hence, the same will not be repeated during FAT.	A. Confirmed. B. Confirmed
41.	Tender Addendum and Clarification No. 13 (TAC 13) KETRACO/PT/045/2023	Clarification Item No. 41 (TAC 13) Pdf Pg. 22/22		41 | 10-Section VI-2B-06 Specifications Power Transformer-20230704 | Clause 6.11 Transformer oil Pdf Pg. 11/101 | | | We use factory standard Ergon make oil for FAT purpose and new insulating oil as per specification will be sent directly to site location. Kindly accept | Not accepted. Oil used for FAT purpose shall be the same type as the oil to be used in the transformer on site and the oil shall comply with the specifications.	Acceptable.

Sl no.	Vol/Clause/ Reference	Description	Seq. Page No	Inquiry	Replies / Responses
	5th June 2024		Please note that Shell Diala B have been obsolated. As a replacement, we will supply Shell Diala S4 ZX. This product is equivalent to Shell Diala B and fully complies with IEC standards. We request your acceptance of this substitution.		
42.	Tender Addendum and Clarification No. 12 (TAC 12) KETRACO/PT/045/2023 20th May 2024	Clarification Item No. 2 (TAC 12) Pdf Pg. 3/12	 - Please note that offered Fan Grills & Pipes will be made of Galvanized Iron with Zinc coated and additional painting will be done same as of the transformer main tank. This is inline with the specification requirements Class 4. - Transformer raditor will be hot dipped galvanized. - Control Cubicles and Marshaling box will be made of Stainless for which Hot-dip galvanization and painting are not required. Kindly confirm.		Confirmed. However, Bidders to note that the galvanization or protection coating thicknesses must conform to specifications.
43.	Tender Addendum and Clarification No. 3 (TAC 3) KETRACO/PT/045/2023 27th March 2024	Clarification Item No. 6 (TAC 3) Pdf Pg. 4/29	 Kindly note that for VFVV design specified voltage ratio will be mainatained only at extreme tap position (maximum and		Confirmed.

Sl no.	Vol/Clause/ Reference	Description	Seq. Page No	Inquiry	Replies / Responses
			minimum tap) at all other tap positions ratio error will be as per design calculated. Same is inline with IEC 60076-1 Cl.no: 6.4.1. Kindly confirm.		
44.	Tender Addendum and Clarification No. 15 (TAC 15) KETRACO/PT/045/2023 30th July 2024	Clarification Item No. 2 (TAC 15) Pdf Pg. 3/11	 2. Tender Addendum and Clarification No. 12 (TAC 12) KETRACO/PT/045/2023 20th May 2024 | Clarification Item No. 9 (TAC 12) Pdf Pg. 8/12 | 1. RMU is supplied by feeders from 33kV GIS (F4, F5, F6, and F7) with a current less than 400 200/1A (02 Section VI 2A-Scope of Work Substations-20230704 PDF Pg 8/47) according to the CT ratings. Hence, we believe that incomer of RMU is not exceeding the 400A. 2. In addition, it is very difficult to find 1250A RMU in the market. Hence, we understand that 630A Busbar is sufficient. Kindly reconfirm the Bus Bar rating | 1. Power purchase agreement between tenant/power users and KETRACO have not yet been done, therefore the feeder current may finally be over 400A. 2. Main busbar rating shall be 1250A. As per requirement we proposed RMU Busbar rating as 1250A, however due to standard product Bus Section rating is 1000A. Kindly accept.	Acceptable
45.	30-Section VI-2B-26-Specifications-Breaker Switch Capacitor Banks	26.21.1 INTERNAL FUSES FOR CAPACITOR BANK Pdf Pg. 9/14	**26.21 BREAKER SWITCH CAPACITOR BANK PROTECTION** 26.21.1 INTERNAL FUSES FOR CAPACITOR BANK Individual fuses shall make it possible to inspect the bank while energised and to determine whether any unit has failed. The criterion to choose the appropriate fuses shall be: Regarding the inspection of individual fuses, please kindly note that; The inspection is possible only in the event of a power outage, without cable disassembly, through a professional device. And the melting condition of the unit fuse can be determined based on the inspection result. Kindly confirm.		Confirmed

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46.	30-Section VI-2B-26-Specifications-Breaker Switch Capacitor Banks	26.21.4 Over Voltage Protection Pdf Pg. 10/14		26.21.4 Over Voltage Protection These three phase relays shall provide a protection of the capacitor banks against over voltage, providing an alarm and a delayed trip for sustained over voltage. The range of setting shall be between 1.0 and 1.6 U_N, whereas the instantaneous limits shall be in the range of 1.4 – 2.1 U_N. The relays shall provide an alarm for the starting as well as the other lamps indicating the trip order, one for the delayed trip and the other for the instantaneous. Time setting shall provide a delay between 0.03 – 2Sec. Reset ratio shall be 95% U_N 1. For unit/bank Set alarm trip at the range of setting between 1.0 and 1.1 Un and set a delayed trip at 1.1Un according to IEC60871-1019.1. 2. For element overvoltage, can be providing as alarm and a delayed trip for element sustained over voltage, set the range from 1Un to 1.6Un. Kindly confirm.	Not confirmed. To be reviewed during the detail design stage.
47.	29-Section VI-2B-25-Specifications-33kV Gas Insulated Switchgear (Indoor)-20230704	Clause 25.7 Inspection and Testing Pdf Pg. 12/16		**25.7 Inspection and Testing** The switchgear is subject to inspection during manufacture. Routine testing shall be performed according to IEC62271-200. Special tests shall be agreed upon between the Bidder and the Employer prior to signing of the Contract. As per standard practise FAT will be offered after completion of manufacturing. In case of any inspection required during manurafacturing, please specifiy the inspection requirement.	The matter to be discussed during detail design stage.

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48.	18-Section VI-2B-15-Substation Automation Control System-20230710 Technical Data Schedules:	15.18 Substation Automation & Control System 1.1 substation computer 1.1.6 Optical storage Pdf Pg.68/100		1.1.6 Optical Storage — Yes/No — Yes Optical storages like CD, DVD, Blu Ray technologies etc. are outdated and not available in Laptop brands. USB ports available for connecting external storage, also inbuilt storage 1 TB is available in the offered Laptop. Kindly confirm.	Confirmed. Bidders to provide USB External DVDRW Drive
49.	18-Section VI-2B-15-Substation Automation Control System-20230710 Technical Data Schedules:	15.18 Substation Automation & control system 1.3 Operator workstations/ HMI 1.3.7 Optical Storage Pdf Pg.70/100		1.3 OPERATOR WORKSTATIONS / HMI Optical storages like CD, DVD, Blu Ray technologies etc. are outdated and not available in Laptop brands. USB ports available for connecting external storage, also inbuilt storage 1 TB is available in the offered Laptop. Kindly confirm.	Confirmed. Bidders to provide USB External DVDRW Drive

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50.	Section VI-2A. Scope of Supply of Plant and Installation Services by the Contractor	Clause 1.8.1 Fiber Optic Terminal Equipment Pdf Pg.13/47		8 Nos. 4 wire E & M ports, each port shall be possible to enable/disable individual for E & M facility (PLTS & Analogue voice trunk) 4W E&M not applicable as the telephony system in Kenya is centralized and all IP based. All offered FOX615s have a PoE switch to connect IP Phones as shown on the Fiber Optical System Layout (12x10/100/1000 BaseT). Therefore, PABX and analogue telephony related requirements are excluded, as not in line/compliance with the existent Kenya telephony network. Kindly confirm.	Confirmed. DT700 Series IP Phones with standard SIP are used.
51.	Section VI-2A. Scope of Supply of Plant and Installation Services by the Contractor	Clause 1.8.1 Fiber Optic Terminal Equipment Pdf Pg.13/47		8 Nos. FXO ports 8 Nos. FXS ports FXO&FXS not applicable as the telephony system in Kenya is centralized and all IP based. All offered FOX615s have a PoE switch to connect IP Phones as shown on the Fiber Optical System Layout (12x10/100/1000 BaseT). Therefore, PABX and analogue telephony related requirements are excluded, as not in line/compliance with the existent Kenya telephony network. Kindly confirm.	Confirmed. The IP Phones are connected to the EPOI card (with PoE) on the FOX615 mux.

Sl no.	Vol/Clause/ Reference	Description	Seq. Page No	Inquiry	Replies / Responses
52.	Section VI-2A. Scope of Supply of Plant and Installation Services by the Contractor	Clause 1.8.1 Fiber Optic Terminal Equipment Pdf Pg.13/47		4 Nos. Data ports for SCADA (V.24, V.28) for IEC 60870 – 5-104 SCADA There is a discrepancy in this item, as V.24 and V.28 are serial interfaces (IEC101) and not IEC104. We are providing IEC 60870-5-104 (4 ports) as per standard interface for the SCADA system in Kenya. Kindly confirm.	Confirmed, IEC 60870-5-104 protocol is used for SCADA.
53.	Section VI-2B: Specifications - Substations - 20. Telecom Systems	Clause 20.17.1 Mandatory pare Parts PDF Pg 83/114		E&M module No of Modules: 1 E&M not applicable as the telephony system in Kenya is centralized and all IP based. 1xPoE switch module is offered instead. Kindly confirm.	Equivalent Module for IP based telephony system is to be provided.
54.	Section VI-2B: Specifications - Substations - 20. Telecom Systems	Clause 20.17.1 Mandatory pare Parts PDF Pg 83/114		FXS module No of Modules: 1 FXS not applicable as the telephony system in Kenya is centralized and all IP based. 1xPoE switch module is offered instead. Kindly confirm.	Equivalent module for IP based Telephony system is to be provided.
55.	Section II: Bid Data Sheet ITB22.1	BDS-6		The answers regarding the above questions will be given impacts on our price bid. Furthermore, we would like to have a clear statement for the tax exemption, especially for withholding tax can be exempted (or not).	Refer to Tender Addendum No. 19.

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			For the purpose of making a competitive price bid, we sincerely request you to consider 2 months extension for a deadline of bid submission.		
56.			We have received multiple clarifications and amendments to the technical specifications. Consequently, we need additional time to incorporate the impact of these changes into our submission. Therefore, we request an extension of at least two months from the current bid submission due date.		Refer to Tender Addendum & Clarification No. 19 for the revised bid submission deadline.
57.	Volume II of VII-PART 2 1.38 Employer and Engineer's Transport and Communications Equipment 1.38.1 Transport Vehicle Type 1	04-Section VI-1B_01_ General-20231114 Page no.36	"The vehicles shall remain property of the Contractor at the end of the specified maintenance Defect Notification period." Can we confirm that the vehicles will remain the property of the Contractor even after the Defect Liability Period, and will not be handed over to the Employer?		Confirmed.
58.	Volume II of VII-PART 2 1.38 Employer and Engineer's Transport and Communications Equipment 1.38.1 Transport Vehicle Type 2	04-Section VI-1B_01_ General-20231114 Page no.38	"This vehicle shall be procured and handed over to KETRACO during the commissioning stage of the substation works. This vehicle shall become property of KETRACO and therefore the Contractor shall settle all taxes and duties necessary for the complete handover to KETRACO. Please confirm if bidders should include the cost of all taxes and applicable levies i.e. VAT, Duty in the unit prices of vehicles 2A and 2B". Considering the ITB 14.9, this Vehicle Type 2 shall be classified as "No Pay" Category of duties, taxes and levies.		The Employer shall be responsible for settling all taxes and duties necessary for the complete handover of Vehicle Type 2 to KETRACO. The Vehicle will be handed over to Employer at the earliest following contract effectiveness.

Sl no.	Vol/Clause/ Reference	Description	Seq. Page No	Inquiry	Replies / Responses
59.	Volume I of VII-PART 2 Bid Data Sheet ITB 15.1	Volume I - PART 1_20231227		The currency(ies) of the Bid shall be as described below: the inputs to the Works that the Bidder expects to supply from within the Employer's country shall be quoted in Kenya Shilling (Ksh) referred to as "the local currency", to two decimal place(s); and We understand that over the past 10 years, making payments from the Government of Kenya in KES through the CBK under ODA yen loan projects has been challenging, and that such payments have consistently been converted into hard currencies such as USD. In light of this, we expect that payments from the Employer for supplies procured within the Employer's country shall be permitted in a hard currency, specifically USD, instead of KSH. We would appreciate it if you could kindly confirm whether this arrangement will be acceptable.	Not acceptable.
60.	Addendum no.1 Clarification no.1 "KETRACO's Response" no.5 "RAP Process is ongoing. RAP report will be disclosed by end of May 2024."			The Bidder would like to seek the further update of the RAP (Resettlement Action Plan) status for whole the project and appreciate it if KETRACO could share the status for the Bidder.	RAP implementation is proceeding and projected to be completed promptly.

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61.	Volume I of VII-PART 1	Section II. Bid Data Sheet A. General	ITB 14.9	In accordance with Sub-Clause 14.1 of the Conditions of Contract, Contractor's Equipment, including essential spare parts therefor, imported by the Contractor for the sole purpose of executing the Contract shall be Exempted from the payment of import duties and taxes upon importation. In addition to the above: (a) Duties, taxes and levies listed below shall be exempted. Such exempted duties, taxes and levies are fallen into two categories, namely: (i). "No Pay" category: The Contractor shall be entitled to exemption from duties, taxes and levies falling into this category, without having to make any payment arising from or out of or in connection with such liabilities. (ii). "Pay & Reimburse" category: The Contractor shall be entitled to exemption from duties, taxes and levies, falling into this category, provided that the Contractor first	Refer to Tender Addendum No.19

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				makes all payments arising from or out of or in connection with such liabilities and then apply for their reimbursement from the relevant authority, following the procedure prescribed by such authority. (b) The following exemptions will be applicable in the "No Pay" category: • Import declaration fee is exempted on goods imported for implementation of official aid funded projects under Miscellaneous Levies and Fees Act, 2016 • Customs duties (percent depends on items to be imported) are exempted in accordance with the East African Community Customs Management Act. • The Railway Development Levy is exempted on goods imported for implementation of official aid funded projects under Miscellaneous Levies and Fees Act, 2026. • The Value Added Tax (VAT) for implementation of official aid funded project which has to be approved by the Cabinet Secretary for The National Treasury will be exempted.	

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				(c) KETRACO has duty of collecting withholding tax from contractors on behalf of Kenya Revenue Authority under the Kenyan Income Tax Act. (d) As per the Exchange of Note signed between the government of Kenya and Japan, the government of Kenya is responsible for exempting Japanese companies and Japanese employees in the Japanese ODA projects from taxes, including direct taxes as follows: i. Personal income tax on Japanese employees engaged in the implementation of the Project for their personal income derived from Japanese companies operating as suppliers, contractors and/or consultants for the implementation of the Project ---------- No Pay ii. Corporate income tax on Japanese companies operating as suppliers, contractors and/or consultants with respect to the income accruing from the supply of products and/or services to be provided under the Loan -------- No Pay.	
62.	Volume VII of VII-PART 3	Section VIII. Particular Conditions Part A – Contract Data (CD)	**The Contractor's Liabilities as to the**	a) The following tax exemptions will be applicable in the "No Pay" category • Import declaration fee is exempted on goods imported for implementation of	Refer to Tender Addendum No.19

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			payment taxes and duties: Sub-clause 1.16(A)	official aid funded projects under Miscellaneous Levies and Fees Act, 2016. • Customs duties (percent depends on items to be imported) are exempted in accordance with the East African Community Customs Management Act. • The Railway Development Levy is exempted on goods imported for implementation of official aid funded projects under Miscellaneous Levies and Fees Act, 2026. • The Value Added Tax (VAT) for implementation of official aid funded project which has to be approved by the Cabinet Secretary for The National Treasury will be exempted. b) KETRACO has duty of collecting withholding tax from contractors on behalf of Kenya Revenue Authority under the Kenyan Income Tax Act. c) As per the Exchange of Note signed between the government of Kenya and Japan, the government of Kenya is responsible for exempting Japanese companies and Japanese employees in the Japanese ODA projects from taxes, including direct taxes as follows: i. Personal income tax on Japanese employees engaged in the implementation of the Project for their personal income derived	

Sl no.	Vol/Clause/ Reference	Description	Seq. Page No	Inquiry	Replies / Responses
				from Japanese companies operating as suppliers, contractors and/or consultants for the implementation of the Project ---------- No Pay ii. Corporate income tax on Japanese companies operating as suppliers, contractors and/or consultants with respect to the income accruing from the supply of products and/or services to be provided under the Loan -------- No Pay	
63.	Custom Duty, Levies and Taxes on imported supplies			1. Please confirm whether the Employer shall pay the customs duties or shall provide exemption certificate at the time of import. 2. Please confirm whether other fees such as inspection fees, customs fees and charges, related levies etc. (if any) at the time of import shall also be borne by the Employer or employer will arrange exemption. 3. We understand Import License for Material imported into the Employer's Country shall be taken by the Employer. Further, we also understand that Employer shall be named as Consignee for clearing of import of goods. Please Confirm 4. Kindly confirm if Railway Development Levy and Import Declaration Fee are exempted since they are covered under exemption for Import taxes under the category 'No Pay'.	Refer to Tender Addendum No.19

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				(Refer Part A - Contract Data - Sub Clause 1.16(A) 5. Kindly confirm if the salary paid in foreign currency, say USD, to the expat employees is exempt from Income Tax in the hands of Expat Employees (Refer 1999 - FIDIC - New Yellow Book - 1999 - GCC, Guidance & Forms Sub Clause 14.1).	
64.	VAT on imported supplies			Please confirm whether the Employer shall pay the VAT and other local taxes on imported supply or Employer shall provide exemption certificate.	Refer to Tender Addendum No.19
65.	VAT for installation/ construction portion.			1 Please confirm whether VAT and other local taxes is applicable on installation/ construction portion. If it is applicable then please confirm our understanding that contractor shall invoice to Employer the price as per price schedule plus VAT at the time of billing and Employer shall pay the same. If it is exempted, Employer shall provide exemption certificate. 2. Please confirm if VAT & other local Taxes is exempted for this project, whether the same exemption can be extended to Subcontractor and local supplier also who will be working in association with Contractor.	Refer to Tender Addendum No.19

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Sl no.	Vol/Clause/ Reference	Description	Seq. Page No	Inquiry	Replies / Responses
66.	Withholding Tax (WHT)			1. Please confirm whether any withholding tax is applicable on payments made by the Employer to contractor towards: a) Offshore portion i.e. imported supply of goods / materials b) Imported Services c) On local supply of goods / material d) Onshore services portion i.e. installation/ construction works. 2. Whether WHT will be exempt for on shore and offshore portion or it will be on employers/Clients account	Refer to Tender Addendum No.19
67.	Section VIII. Particular Conditions (Part A: Contract Data) Clause 1.16 (A) of PCC Part-A	1.16 (A) : b) KETRACO has duty of collecting withholding tax from contractors on behalf of Kenya Revenue Authority under the Kenyan Income Tax Act. c) As per the Exchange of Note signed between the government of Kenya and Japan, the government of Kenya is responsible for exempting Japanese companies and Japanese employees in the	PC-1	Please let us know the applicability of Income Tax for Indian Company and its employees in case bidding individual. Also, please confirm the income Tax applicability in case Indian Company participate in the Bidding process with Joint Venture Partner of Japanese Company.	Refer to Tender Addendum No.19

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Sl no.	Vol/Clause/ Reference	Description	Seq. Page No	Inquiry	Replies / Responses
		Japanese ODA projects from taxes, including direct taxes as follows: i. Personal income tax on Japanese employees ii. Corporate income tax on Japanese companies operating as suppliers, contractors and/or consultants			
68.	Section VIII. Particular Conditions (Part A: Contract Data) GCC & PCC Part-A Cl-13.8	Adjustments for Changes in Cost is for Period "n" applicable to the adjustment multiplier "Pn": **eighteen (18) months.** **As per GCC 13.8: "Pn"** is the adjustment multiplier to be applied to the estimated contract value in the relevant currency of the work carried out in period "n", this period being a month unless otherwise stated in the Appendix to Tender;	PC-3	As per GCC & PCC Part-A Cl-13.8, we understand that "Pn" is 18 months and the Price Adjustment shall be applicable from 18th Months of work from commencement, please confirm. Please specify the period of Indices for calculation of Price Adjustment. In addition to the above, we request to Clarify about Price Adjustment Eligibility after during the Project Extended Period if the established delay is not due to the Contractor.	'n' is 18 months and price adjustment shall be applicable from 18th month as prescribed in Bid Data Sheet ITB 14.7, Specific Provision Sub-Clause 13.8 (Adjustments for Changes in Cost). Refer to FIDIC Clause 13.8, the description of 'Ln', 'En' and 'Mn'. Price adjustment in this scenario shall only be applicable when the delays are attributable to Employer.

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	Section IV. Bidding Forms ITB 14.7 & GCC Cl.13.8	GCC 13.8: If the Contractor fails to complete the Works within the Time for Completion, adjustment of prices thereafter shall be made using either (i) each index or price applicable on the date 49 days prior to the expiry of the Time for Completion of the Works, or (ii) the current index or price: whichever is more favourable to the Employer.	BF-9 to 12	GCC 13.8: If the Contractor fails to complete the Works within the Time for Completion, adjustment of prices thereafter shall be made using either (i) each index or price applicable on the date 49 days prior to the expiry of the Time for Completion of the Works, or (ii) the current index or price: whichever is more favourable to the Employer. In view of the above Statement in GCC 13.8, we understood that Price Adjustment should be applicable during the Extended Period of Contract. Please Confirm.	Price adjustment in this scenario shall only be applicable when the delays are attributable to Employer.