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KAA/OT/MIA/0087/2024-2025

13th March, 2025

To: All Bidders

RE: SUPPLY, DELIVERY, AND INSTALLATION 33KV/11KV ELECTRICAL POWER SUBSTATION COMPLETE WITH STRUCTURES AND ASSOCIATED SWITCHGEAR AT MOI INTERNATIONAL AIRPORT

TENDER NO. KAA/OT/MIA/0087/2024-2025

ADDENDUM NO. 3

The following are tender clarifications/addendum issued regarding the above tender in accordance to instructions to tenderers clause 10.1 of the bidding document.

No.	Clarification	Response
1.	2.5MVA, 33/11KV Power Transformer (Vector Group) As per Scope of work (Clause No. 4.5.7.6) Transformers in Coastal region- shall be of vector group: YNyn0d1 (with stabilizing winding). Kindly confirm whether the vector group is YNyn0d1 or YNyn0	Bidders are hereby informed to use the specified vector group in the specifications in the document
2.	Auxiliary Transformer (power rating) As per Plain View Drawing (Page 583) Auxiliary Transformer rating is 50kVA & as per Section View Drawing (Page 583) Auxiliary Transformer rating is 33kVA. As per Price Schedule (Page 246, Item No. 2.23) Auxiliary Transformer rating is 100 kVA. Kindly confirm the Auxiliary Transformer rating	Bidders are hereby informed to use 100KVA 33kV/0.420kV
3.	Auto-recloser or Disconnecter or Circuit breaker. As per Particular Technical Specifications (Page No.449, Clause No. 8.10) Auto-reclosers are used on less important 33/11kV lines outside the substations on lines instead of circuit breakers. The Auto reclosers are not acceptable for line bay use inside the substation. 1) As per Section View Drawing (Page 583) Auto-reclosers & Air Break Switches are shown	Bidders are hereby informed to use Individual Disconnectors & Circuit Breakers Philosophy

No.	Clarification	Response
	<p>2) As per Price Schedule (Page 246) Disconnectors & Circuit Breakers are shown</p> <p>3) Guaranteed Technical Particulars are given for Both Disconnector & Auto-recloser (Page 498 & 539)</p> <p>Kindly confirm which philosophy is to be followed for SLD & Plan Layout. Is it Individual Disconnectors & Circuit Breakers Philosophy or Auto Recloser with Air Break Switch</p>	
4.	<p>Price Schedule- Page 246</p> <p>As per Price Schedule Item No. 2.02, quantity of 33KV Circuit breaker is 6 Set. However, the required quantity as per Plan Layout (Page 583) is 3 set (2 set for Transformer + 1 set for Line). Kindly confirm the requirement</p>	Bidders are hereby notified to Provide for 6Pcs
5.	<p>Price Schedule. Page 246.</p> <p>As per Price Schedule Item No. 2.09, quantity of 33KV Surge Arrester is 8 Nos, however the required quantity as per Plan Layout (Page 583) is 9 Nos (6 Nos for Transformer + 3 Nos for Line). Kindly confirm the requirement</p>	Bidders are hereby informed to Provide for 12 Pcs
6.	<p>Price Schedule. Page 246.</p> <p>Quantity of 33KV & 11KV does not contain Surge Arrestor which is mounted on 33kV & 11KV Pole which is beyond switchyard boundary, we understand that those Surge Arrestors are in KPLC Scope. Kindly confirm</p>	Bidders are hereby informed that they are within KAA's Scope
7.	<p>Price Schedule. Page 246.</p> <p>As per Price Schedule Item No. 2.10, quantity of 33kV OH line protection and Control panel with BCU is 2 Nos. However, we have only one 33KV line bay thus only 1 No Panel is required. Kindly confirm</p>	Bidders are hereby informed to Provide for 2 pcs
8.	<p>Price Schedule. Page 246.</p> <p>As per Price Schedule Item No. 2.03 & 2.04, quantity of 33KV Disconnector with & without Earth Switch is 4 set. However, the required quantity as per Engineering Practice is 5 set (2 sets for Transformer + 2 set for Line + 1 set for Bus Sectionalizer) Kindly confirm</p>	Bidders are hereby informed to Provide for 7 pcs
9	<p>Price Schedule. Page 246.</p> <p>As per Price Schedule Item No. 2.14, quantity of 11KV Circuit breaker is 6 Set. However, the required quantity as per Plan Layout (Page 583) is 3 set (2 set for Transformer + 1 set for U/G Feeder). Kindly confirm</p>	Bidders are hereby informed to Provide for 6Pcs

No.	Clarification	Response
10.	Price Schedule. Page 246. As per Price Schedule Item No. 2.16 & 2.17, quantity of 11KV Disconnector with & without Earth Switch is 4 set, However, the required quantity as per Engineering Practice is 5 set (2 set for Transformer + 2 set for Line + 1 set for Bus Sectionalizer). Kindly confirm	Bidders are hereby informed to Provide for 7 pcs
11.	Particular Technical Specifications for Civil Works. Page 378 Control /Switchgear building (minimum floor area of 120m ²) as per Particular specifications on control building complete with Water supply and harvesting system. However as per plan Layout (Page 583) is 6.3mx10.500m= 66.15 sq.mm. Kindly confirm which area is to be followed	Bidders are hereby informed to Provide for 120m ²
12.	Plan Layout. Page 583. As per Plan Layout overall Plot area is 35mx45m. Is this area fixed or can it be increase based on requirement? Especially if Individual Circuit Breaker and Disconnector philosophy is to be used. Kindly confirm	Bidders are hereby informed that the area is fixed for now. IF, there is need further assessment will be conducted on site during construction period.
13.	In section 4.5.14.2, the scope mentions 4 mobile phones, while the Price Schedule lists only 3. 1. Specifications for the mobile phones are not provided.	Bidders are hereby informed to Provide as per price schedule. 64gb 512gb,
14.	In section 4.5.14.3, the scope mentions 5 laptops, but the Price Schedule lists only 3.	Bidders are hereby informed to Provide as per price schedule.
15.	In section 4.5.14.4, the scope describes 1 vehicle, while the Price Schedule requires 2.	Bidders are hereby informed to Provide as per price schedule.
16.	In section 4.7.1, the scope mentions 1 x 2.5 MVA substation, but the Price Schedule and drawings shows 2 x 2.5 MVA transformers.	Bidders are hereby informed to Provide as per price schedule and the drawing i.e. 2no.
17.	The BOQ in section 4.7.1.1 does not match the details in the Price Schedule.	Bidders are hereby informed to Provide as per price schedule.
18.	GTPs for 95mm ² copper cable are not provided.	Bidders are hereby informed that GTPs for 95mm ² copper cable is Provided.
19.	Ancillary equipment described in section 4.5.7 are not included in the price schedules	Bidders are hereby informed to Provide for them within the related items on the BOQs i.e. i) Station equipment within item 2.37

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		ii) Earthing device within item 2.30 iii) Cable accessories, racks, conduits, ducts within item 2.34
20.	<p>CT & VTs:</p> <ul style="list-style-type: none"> • Ratio for each secondary for CTs & VTs • Burden of each secondary for CTs & VTs: (VA) • Class of each secondary for CTs & VTs • For Epoxy Resin CTs & VTs, please also advise following: <ol style="list-style-type: none"> 1. Indoor/Outdoor? 2. Epoxy/oil? 3. If outdoor epoxy or oil, creepage distance? 4. Short Time Current? <p>DS:</p> <ul style="list-style-type: none"> • Disconnecting switch rated current? • Motor Control Voltage or DS: AC or DC? Level? 	<p>Bidders are hereby informed to use the specifications and GTPs provided for guidance.</p> <p>Maximum load capacity on the provided transformer is expected at 2.5MVA</p> <p>Primary Voltage is 33kV while secondary Voltage is 11kV</p>
21.	Bid security 1.5m or 1.2m	Bidders are hereby informed to use 1.5 M

The closing/opening date remains to **20th March, 2025 at 11:00 a.m.**

Kindly ensure your tender is valid for a period of **186 days** and your tender security is valid for a period of **216 days** from **New closing/opening date of 20th March, 2025 at 11.00. a. m.**

This addendum forms part of the bidding document and is binding on all bidders. All other conditions remain the same.

Vincent Korir
GM (PROCUREMENT AND LOGISTICS)
For: MANAGING DIRECTOR/CEO

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