



United Nations Development Programme

ITB-501/17 – Supply and Installation of 25MVA Mobile Substation for Ifraz Water Treatment Plant - Erbil Governorate, Iraq

Questions and Answers

No	Question	Answer
1	In the Technical Compliance Sheet, please clarify the word (or equivalent) what is Engineering interpretation?	Engineering interpretation of the term (or equivalent) : Equivalent in technical specs and comprehensive Quality standards to International brands mentioned in the Compliance sheet
2	Does the requirements involve and include reconnecting the Existing Feeder lines with the new Substation ?	Yes, the required works per the ITB requirements and BOQs include (removal and re-connecting all the existing 4 feeder lines with the new Substation once installed with all required connection and accessories
3	Is the Factory Test (FAT) required to be done during the contract duration (180 days) or to be done separately?	FAT Test to be done within project duration as outlined in the ITB requirement, that need to be done before launching the shipment.
4	Please confirm what's suggested by end-user's technicians, as recommending to shift the location of the new Substation 20 meters East of the existed Sub-station to maintain and ensure continues electricity service provided to the Water Plant and to other villages and residential complexes during the installation and connection of the New Substation.	Although shifting the location by 20 meters will not affect the required works, quantities and specification, however we still need to check and confirm this in line with UNDP's tendering rules and producers.
5	Section 7: Price Schedule Form / BOQ (Provision of 33 kV Medium Voltage Switchgear and transformers) items (2&5): (1) As shown in the SLD that the requested panel is matching item No. 2 "33 kV Disconnecting Switch and Earthling Switch(air insulated vertical single throw ,	(1) Correction, the requested Panel in SLD is compatible with item No.5 "33KV Incoming and Transfer Feeder (Feeder Air-Insulated Metal Clad) 33 KV 1250A"

	<p>manual operation) Details of required specs in Annexes A,B,C, and D”</p> <p>(2) While item No. 5 “33kV transformer /incoming feeder (Feeder Air-insulated metal clad) 33KV 1250A” not exist in the single line diagram or it should match item No2.</p> <p>So please clarify this issue.</p>	<p>(2) Correction, item No.2 “33 KV Disconnecting Switch and Earthling Switch(air insulated vertical single throw , manual operation) Details of required specs not exciting in the SLD, but available in annexes A, B and C</p> <p>End-user client’s requirement is in line with item No.2 as specified in the BOQs and required specs (annexes A, B and C)</p>
6	The MV cable between the 33 kV line feeder and 33 kV incoming switchgear, is it under the bidder responsibility and if yes please advise what is the requested length of it.	30 m is the distance between 33KV Overhead line and 33 KV Incoming Switchgear
7	Will the location of the new Mobile Substation be outside the current location across the paved road?	No, kindly note the location of the new substation will remain inside the same current site of the Plant as indicated in the ITB. Although some bidders during the site visits have requested to shift the location of the Substation by 30 meters cross the road, this is not approved due to land ownership of the suggested location, which is confirmed not owned by end-user Government but owned by private owners.
8	If yes, please advise the type and length of the new fence.	Not applicable, the boundary walls remain the same as per described under item #8 Civil works of price schedule in the ITB.
9	Will there be additional 33kV Take-Off Tower installed in the new location?	Not applicable, the location will be the same current location of ITB.
10	Please advise if we have to price FAT according to the attached Schedule.	The total offered price of FAT by manufacturer shall be quoted as Lump Sum (L.S.) under the unit price item E-1 (FAT) considering to complete all item required works including inspection of new Substation and commissioning certificates.
11	C.T ratio discrepancy between SLD and specifications	Please note the Current ratio is not required in the ITB. However, Appendix A Technical Compliance Sheet only includes the required specs of CT (without ratio) for both 33KV and 11KV Switchgear.
12	V.T ratio discrepancy between SLD and specifications	The V.T ratio is not required in the ITB. However, Appendix A only required specs of V.T (without ratio) for both 33KV and 11KV Switchgear.

13	Short circuit current	<p>See below the Short Circuit Current required for each of the supplied equipment?</p> <ul style="list-style-type: none"> a) For 11KV 11 kV Disconnecting switches we have Rated short circuit current at time duration of 3sec.for contacts 31.5KA b) For 11KV circuit breaker 31.5 kA for 1 seconds c) For 33 kV Medium Voltage Switchgear 31.5 kA for 1 seconds d) For 33 kV Disconnecting Switch and Earthing Switch 31.5 kA e) For 33 kV Circuit Breakers 31.5 kA – 3 seconds f) For 33 kV Current Transformers 31.5 kA RMS <p>Please refer to Appendix A Technical Compliance Sheet</p>
14	Aux transformer in 11 KV side shown as SLD but specifications mentioned in 33 KV side	<p>Please refer to page 37 of Appendix A shows the required specs under B3- Auxiliary and Earthing Transformer, clause # 8 the required voltage ratio is 11/0.416 KV, please discard the title which is mentioned 33/0.416 KV as this is a typo. Also, the Nominal High Voltage of winding will be 11 KV instead of 33 KV for item 11.a of the same.</p> <p>The required Aux Tr is 11 KV for the UNDP tender requirement in accordance to the SLD.</p>
15	There is no Aux tr feeder shown in SLD but specifications and BOQ request 11 KV side aux tr feeder	<p>The Aux Transformer Feeder is required in the ITB as mentioned under item # A.4 of the BOQs also detailed required specs in (annexes A, B and C), However the Aux tr Feeder is not shown in the SLD which was developed by end-user</p>
16	There is 1 incoming and 6 outgoing in SLD 11 KV but BOQ mentioned 1 incoming 6 outgoing and 1 aux tr feeder	<p>Please refer to item No. 4 BOQs in line with required specs described (Annexes A, B and C) for the Aux Tr Feeder</p>
17	Cable cross section are different in SLD and Specification ex: Are 36 KV cable 1x400 as SLD or 1x150 as specifications?	<p>Please consider 1 *400mm² according in to Appendix -D- for SLD</p>
18	Specs mentioned 11 kv 1x150 mm ² epr outgoing cable but it is not in BOQ or anywhere and it is not mentioned outgoing cable length	<p>1*150mm² or 3*150mm² for 4 existing Outgoing Feeders between 25 -30m length for each.</p>
19	Requested trailer type, number of axles and tires and capacity not suitable for such project in the specifications	<p>The required specification for each Trailer and type of UNDP's tender are shown in Appendix A which are sufficient and meet the requirements.</p>

20	Appendix B and C is very general and not specifically for 5 MVA	Both appendix B and C includes the overall general and particular specs for 25MVA, while the detailed required specs for this project are indicated in Annex A -Technical Compliance Sheet
21	Can we submit two options of the power transformers in our proposal under the same of the manufacturer of the mobile substation	Please take note, with reference to clause 7, C20 Datasheet page 18 of ITB, as mentioned Condition for submitting Alternative bid, Shall not be considered.