

MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LIMITED
CIN No. : U40109MH2005SGC153646

Name of Office: Central Purchase Agency,
Office Address: Prakashgad, 1st Floor, Plot No G-9, Anant Kanekar Marg, Bandra (East),
Mumbai-51
Contact No.: 022-26474211/26472131
Email Id: cecpa@mahatransco.in

SP/T-0621/0824

Date: 12.08.2024

CLARIFICATION

Sub:- Procurement of BCU-based Control & Relay Panels against LE scheme at various Substations under Pune Zone and Karad Zone in MSETCL [2nd call] against e-Tender No.SP/T-0621/0824 (Rfx No.5000001282) submission due on 13.08.2024.-
-- **Reply to queries thereof.**

Please refer e-Tender No. SP/T-0621/0824 (Rfx No. 5000001282) advertised for subject works.

Bidders are requested to take a note that the **Reply to the Queries** is attached herewith as “ANNEXURE-A” .

The Due dates of Submission and Opening of Tender are as under:

- i) Due date and time of Submission of bid : 13.08.2024 upto 17:00 Hrs.
- ii) Due date and time of Opening of bid : 13.08.2024 at 17:15 Hrs.

All participants bidders are requested to take note of above and submit their bids accordingly. All other terms & conditions of the Tender Specifications remain unchanged.

Sd/-
Executive Engineer (St-VI)

"ANNEXURE-A"

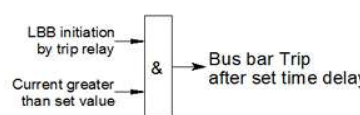
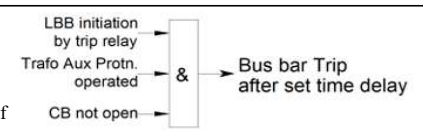
Reply to Queries of M/s. Avana Electrosystems Pvt. Ltd.

Sr. No.	M/s. Avana Query	MSETCL Reply
1	Instruction to bidder is not mentioned properly in the tender documents	Refer srmetender.mahatransco.in "Guidelines to submit e Tender" and "General Guidelines to bidders".
2	Payment terms is not mentioned in tender docuements	Refer Clause No.24.0 of Section-II.
3	Warranty period is not mentioned in tender documents	Refer Clause No.31.0 of Technical Specification and Clause No.5.0 of Section-III.
4	As we are MSME we are exempted from EMD payement.But regarding tender fee, is not mentioned in tender.Kindly confirm whether we are exempted from tender fee as we are MSME company and if not kindly confirm how to submit tender fee i.e.in the form of DD/NEFT?	Bidder has to pay Tender fee online.
5	Whether hard copies of techno-commercial document to be submitted or not?	Techno-commercial documents can be submitted online or in physical.
6	Whether we have to submit price bid with prices in the form of hard copy?	Price bids are to be submitted online.Bidder should not submit Price bid in Hard copy.
7	As we do not know the existing SCADA & Busbar make we can not provide the prices for the same	Scope is limited for BCU based CRP supply only. NO SCADA & Busbar in the scope.
8	As the Relays and BCU make and type is not mentioned, we will provide Siemens make BCU type :7SJ66 and Numerical relays with GE T&D/Schneider/ABB make	MSETCL approved make IED's are acceptable.
9	As the 4-20mA Analog input are not required in132kV Feeder,100kV Feeder & 33kV Feeder we will not provide the same.	As per Specification.

10	We will provide 4-20mA Analog inputs only for 132kV Transformer /100kV transformer HV side C&R panel either in Transformer differential relay or in BCU.	As per Specification. BCU needs to be provided with 4-20 mA inputs.
11	We will provide 32DI +16 DO for 132kV Transformer and 132kV Feeder panels	32 DI, 16 DO per bay per BCU.
12	As we provide dedicated BCU's for feeder -1 & Feeder-2 , we will provide 16 DI+08 DO for 33kV, 11kV Double feeder CRP, 33kV & 22kV LV side transformer CRP	Each BCU to be provided with 32 DI & 16 DO

ANNEXURE-A

Reply to Queries of M/s. CTR Manufacturing Industries Pvt.Ltd.,Nashik

Sr. No.	Reference	Specification	M/s. CTR Query	MSETCL Reply
1	Clause 5.1 (iii)	The control and relay board up to 220kV minimum two nos of panels to be provided for each line and Transformer /ICT. (HV and IV side separation in case of ICT/Transformer)	CTR ROCON relays are very compact. In past CTR supplied to MSETCL with single panel of size 2312(H)X800(W)X800(D). Being the width 900 mm as specified, CTR can accommodate all devices spaciouly in case of 220kv Feeders. In case of Transformers CTR will provide two panels for HV and LV separately. As such shall CTR provide single panel accommodating all devices for 220KV/132KV feeders? Please confirm.	For transformer, 02 no. of BCU based CRP are required. In case of 132kV/110kV/100kV line, single BCU -CRP panel with 900mm can be accepted. However, the Final panel width shall be confirmed as per actual site space availability and consideration of sufficient working space within the panel.
2	Clause 21.1C(ii)	Independent configurable four stage O/C & E/F protection function may be provided which can be normally used for i) directional/non-directional IDMT, ii) definite time High set, iii) over load Alarm & iv) load trimming scheme.	CTR ROCON backup protection (Dir. O/C and E/F relay) is having one IDMT function with option of Forward, Reverse & Non directions and further additional four Stages of Definite Time Over Current functions. All the four stages are having the option of Forward and Reverse & NON-directions which can be configured for DT high set, over load alarm and Load trimming schemes independently. Further as per clause 21.3C, for LV bus faults NON-Directional Definite time is specified. CTR backup protection is suitable for suitable for MSETCL requirements and commissioned at various substations in MSETCL Whether CTR back up protection is acceptable? Please Confirm.	As per Tender
3	Clause 21.1D & 20.1D	The LBB protection should be configured such that LBB trip timer bypassing LBB current function should also be activated from Transformer Auxiliary trip also.	CTR ROCON Standalone LBB protection is having two stages LBB Functions. Each stage can be configurable independently. Stage 1: It can be configured for operation on LBB Initiation by Trip relay and Current criterion.  Stage 2 : It can be configured for operation on LBB initiation by Trip relay, Aux relay of Transformer and CB Status 	Acceptable however as per specification Re-trip to own CB is required in both cases and final trip to Busbar trip.
4	Clause 21.6	The relay meant for Under Frequency protection shall be an Under Frequency cum Frequency Trend relay. This relay is to be provided on Bus section and inbuilt function of BCU shall also be acceptable.	This function is inbuilt in CTR ROCON Back up protection instead of BCU. Is it acceptable? Please confirm	Standalone UFR relay is also acceptable.
5	Section III	Scope of Panel Erection and Cable termination not emphasized.	Please confirm the same.	Panel erection & cable termination is not in scope of this tender.