

FORMAT B.1**Format for Technical Pre-Bid Queries**Tender No **TPSODL/---/---/---**Package Name **Rate Contract for -----**Bidder : **M/s -----**

Note : The said format to be used only for Technical Pre-Bid Query. Any Commercial Query has to be strictly in Format B2 Format for Commercial Pre-Bid Query and sent separately
Format to be used for query regarding Technical Pre-Qualification Requirement, Safety Pre-Qualification Requirement, Technical Set of Document

Pre-Bid Query has to be sent in editable Excel file format only**Pre-Bid Query has to be sent through e-mail in TPSODL E-Tender System**

Sr. No.	Detailed Reference to TPSODL Technical Document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	TPSODL Response
1	2	3	4	5
1	TPSODL/OT/2023-24/48 // Annexure 1/ Page 18 of 25	Schedule for Items E Miscellaneous: SI NO 1: Supply and installation of one UPS DB, 3C x 6 Sq. mm (100m max), Armored Copper cable of XLPE insulated, including laying & termination	UPS DB need details design and specifications	Make: Delta Electronics INC Model: GES603HH Part No: GES603HH330035
2	TPSODL/OT/2023-24/48 // Annexure 1/ Page 18 of 25	Schedule for Items D : SI No 1: Supply and Laying of Armoured Communication Cable :SI No 1: Armoured 4P X 0.36 sq mm twisted pair Sheilded communication cable	We assume this is required for modbus communication. In such case Cable should be 4Core.Please clarify	Yes this is required for Modbus Communication and cable should be 4core.
3	TPSODL/OT/2023-24/48 // Annexure 1/ Page 18 of 25	All Cables Armoured type	Armoured cabled intend tension on the TBs glands etc. and difficult to bend. We suggest use of braided type of cables with Al. Mylar tape. Which provides better strength and flexibility and is more flexible. Please clarify	All Cables should be Armoured type
4	Page 2 of 5: Substation Automation works at 33kV/ 11kV SS at TPSODL: SI No (iv) d,e,f	Configuration of IEDs/ MFM/RTU/Router e. Data base modification for RTU and submit the finalized data base to TPSODL after successful testing. f. Settings and configuration changes in Relays/IEDs and submit final configuration to TPSODL after successful testing. g. Point to point testing of RTUs and IEDs with SCADA at Control Centre	These ar highly skilled jobs. BoM lime items are not found for these works.Whether software connecting cables will be provided by TPSODL. Make model protocol and accessibility of IEDs and DCs/ RTUs to be provided. Equipment mounting on C&R Panels will require Metal cutting?	TPSODL has four types of RTU. 1. Schneider make HU_A with HU_BI 2. Schneider make C264 3. Synergy make E70-CPU-010 4. Siemens make SICAM A8000 Total no of RTU: 100nos. Communication protocol: IEC 61850, IEC-104, Modbus RTU, Modbus TCP/IP. TPSODL has ten types of IED. 1. Schneider make VAMP300 2. Schneider make Easergy P3 3. Siemens make 7SR2244 4. Siemens make 7SR220 5. Siemens make 7SR12 6. Siemens make 7SR5421 7. Siemens make 7SR5111 8. ABB make REF620 9. ABB amke REF615 10. Micom P142/P643 Total no of IED: Approx 1100 nos. Communication protocol: IEC 61850. MFM communication protocol: Modbus RTU, Modbus TCP/IP Software and connecting cable: On supplier scope. Equipment mounting on C&R Panels will require Metal cutting?: No
5		Cable Core and insulation specs would be helpful		Cable core as mentioned in the tender specification
6				
7				
8				