

Tender No. TPCODL/P&S/ 222/20-21 for "SCADA & ADMS System for TPCODL Network"

Replies to Pre-Bid Queries_2

Sl .no	Clause no	Page no	Description	Bidders query	Suggested Changes	TPCODL Response
1	1.3. Calendar of Events Pg No. 5 of 955	5	Participating Bidders will get mail intimation from TPCODL E-Tender system (Ariba) when their Technical Bids are opened. Refer Section 4.2 for details	Is ARIBA Registration required for bidders already registered in TATA Power, Mumbai ARIBA Portal		Ariba portal link shall be sent to the email id provided by bidder.
2	BOM A.22 Pg No. 68 of 955	68	Interface for Video Streaming.	Details of existing Video Streaming system interface to be provided		i) Hardware and Software required to meet the functional requirements depends on OEM solutions. ii) The proposed system shall be capable of accepting the feeds from Centralized Visual monitoring system or directly from the Cameras located in each stations. Integration of only Cameras used for Equipment Operation purpose are planned to be integrated with the SCADA System. Details of no. of cameras, interface type and all other information will be discussed during detailed engineering. iii) Control room engineer shall be able to control camera through Scada screen from where it is controlling the equipment.
3	BOM A.27 Pg No. 68 of 955	68	UPS System with Battery in Parallel Redundant Mode (40KVA) with all accessories with Minimum 4 Hours Backup	We anticipate that the load considering the BoQ will be more than 40 kVA. We request TPCODL to share the calculations of the 40 kVA load for our reference. We further request TPCODL for removal of Auxiliary Power System from the current scope as this requires different skillset and Maintenance Cycles.		i) UPS size mentioned is the indicative BoM for MCC & NCC are the minimum requirement. ii) Bidder to calculate the load as per the proposed solution and additional load of Purchaser i.e. 50% iii) Bidder to adhere to the scope as per RFP
4	BOM A.28 Pg No. 68 of 955	68	48 VDC System, Battery, Battery Charger in Redundant Mode with all accessories	We request TPCODL for removal of Auxiliary Power System from the current scope as this requires different skillset and Maintenance Cycles.		Bidder to adhere to the specification. And shall refer the load requirement as per proposed solution and additional load of Purchaser i.e. 50%
5	1.0 Intent of Specification Pg. No. 94 of 955	94	The SCADA and ADMS System will collect field data on IEC 60870-5-104 from Remote Terminal Units (RTUs) / Data Concentrator / FRTUs / Autoreclosers / Sectionalizer / FPIs etc.	We assume that the existing Remote Terminal Units (RTUs) / Data Concentrator / FRTUs / Autoreclosers / Sectionalizer / FPIs / Gateway RTUs and FRTUs are capable of reporting to multiple masters on IEC 60870-5-104 Protocol.		Existing Remote Terminal Units (RTUs) / Data Concentrator / FRTUs / Autoreclosers / Sectionalizer / FPIs / Gateway / RTUs and FRTUs are capable of communicating with multiple masters.
6	3.0 Scope of Work Pg No. 110 of 955	110	xiii. Integration with Purchaser's Large Video Wall	We understand Large Video Wall is part of the new Scope in BOQ Line Item A.26 Page No 747 of 955. Please confirm if there is an existing video wall with purchaser or its in bidders scope?		1. Bidder to supply the LVW matrix as per the Specification. Existing Large Video Wall is not envisaged to be used in MCC and NCC. 2. However the existing LVS will be re-installed in DTS room and for other application.
7	GENERAL CONDITIONS OF CONTRACT- COMPOSITE ORDERS Pg. 852 of 955	852	We understand that in absence of Special Conditions of Contract (SCC), the common clauses of Warranty, Technical Evaluation, Payment Terms etc from GCC will be superseded with the details in Technical Specifications. Please confirm.		Refer Clause 6 Order of Preference / Contradiction.
8	BOM A.5 Pg No 81 of 955	81	RSA Security appliance	Request TPCODL to confirm the number of Operators using RSA tokens in MCC and NCC.		i) Bidder shall consider currently license for minimum 100 Control Room Engineers at MCC and NCC. ii) Bidder shall include the additional applicable slab wise license cost in the BoQ (if any) to meet the additional specific requirement.

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9	Section A: Introduction to TPCODL Pg No 99 of 955	99	The proposed system shall take the power system network data from the existing GIS System of the Purchaser. The current version of GIS is ESRI 10.2.1 and it is CIM compliant. The same will upgrade to CIM compliant version of ESRI 10.6 platform.	Request TPCODL to let us know if there is an existing network model covering the complete MV network till DTR with all the attributes for distribution assets for DMS applications. Please provide us sample data in .gdb format for validation.		i) Existing Network Model is currently covering 12 towns, however the work is in progress to cover the entire distribution network on GIS. ii) GIS version upgrade is in line with execution plan of Phase A and Phase B described in the RFP. iii) However the proposed solution shall be capable of integrating with both existing and upgraded version of GIS. Since the current version is CIM compliant iv) Sample data will be shared during Demo/Detailed Engineering. v) The data not available from GIS system shall be manually configured
10	Section A: Introduction to TPCODL Pg No 110 of 955	110	xi. Integration of IoT devices on protocol such as LORA, NB-IoT etc.	Is it expected to receive data from IoT devices into SCADA/ADMS system directly? In general IoT devices shall send its data to cloud. Post that SCADA/ADMS can be interfaced on standard protocol.		System shall support both type of interfaces 1) It shall be capable to interface with cloud server of IoT service provider 2) It shall be capable to directly interfacing with IoT device on field. The preferred technologies are LoRA and NB-IOT. Bidder has to clearly mention in his offer, all capability built in for using IoT technology
11	Section B: ADMS Pg No 390 of 955	390	Interactive Voice Response	We understand that TPCODL has existing IVR system and bidder's responsible is to only integrate IVR over common industry standard protocol.		Bidder to consider necessary standard interface software and services for integration of IVR system
12	Section B: 7.2 System Integration and Data Exchange Pg No 437	537	It shall be the responsibility of the Bidder to successfully establish the bi-directional connectivity of the offered Secured ICCP system with the existing systems of Purchaser and the other utilities. This includes interaction with their representatives and bidders.	Please provide us the details of import and export ICCP points.		Data Points for Import and Export will be finalized during detailed engineering. Exchange of data points will depend on the integration of each existing system and the other utilities functional requirement.
13	General	General	Tapes for server (pack of 10)	Tape drive with LTO9 is already part of BoQ, this line item is not required. Please confirm so that it can be removed from Price schedule & BoQ		Bidder to consider as per the RFP
14	General	General	Centralized Bio-Metric System for User Authentication & Finger Print Identification System	We request TPCODL to delete Centralised Biometric system & Finger print identification device as RSA user authentication meets the requirement at MCC/NCC in terms of multifactor authentication.		Bidder to consider as per the RFP
15	General	General	Remote support	With the present pandemic situation, we request TPCODL to consider a provision to perform FAT and SAT remotely.		Bidder shall adhere to the specification
16	General	General		Request TPCODL to provide system sizing as following: Analog points, Status points, Accumulators, Calculated values, ICCP, No. of RTUs and FRTUS, Gateway.		1. Please Refer Clause 1.5.1 , System Sizing of Section A Project Specification, Sheet 100/955. 2. Please Refer Data Sheet System Sizing for MCC and NCC I/O requirement, Sheet 791/955. 3. Distribution of Digital I/O and Analog measurement will be finalized during detailed engineering for all the applications