

Tender No-TPSODL/OT/2023-24/037				
Package Name:-Rate Contract for SITC of addressable type fire detection and alarm system in sub stations of TPSODL				
Reply to Techno Commercial Pre Bid Queries				
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	Page 22 of 277 of tender document clause ANNEXURE II SCOPE OF WORK AND SERVICE LEVEL AGREEMENT	1. Supply, installation, testing & commissioning (SITC) of addressable type fire detection and alarm system in 45 nos of sub stations under City, Berhampur, Aska, Bhanjanagar, Rayagada and Jeypore circles of TPSODL.	Please shar the locations of sub stations and circles name.	May Please refer the corrigendum in this regards.
2	Page 34 of 277 of tender document clause 5.2 SYSTEM DESCRIPTION AND OPERATION	Temperature Range: 0 to 50°C for detectors, control panel, electronics, MCP, sounder, cables etc.	As per UL guidelines thermal sensor should have a alarm temperature 14-25 °C higher than normal operating temperature. Thermal sersor actvalte at a temperature of 57°C , hence normal working temperature should be 38°C. Also same is installed across TPSODL locations. Please amend the clause to 38 °C.	Noted
3	Page 34 of 277 of tender document clause 5.2 SYSTEM DESCRIPTION AND OPERATION	service life of 30 years.	Please amaend service life to 10 years as this is normal life any safety equipment	Specification to be complied
4	Page 36 of 277 of tender document clause 5.5.11 Reporting	The software running on the Fire Alarm PC shall be capable of producing alarm reports, diagnostic check reports, fault occurrence reports, layout graphics of the individual detectors, routing and location, especially when there is any alarm or occurrence of fault.	This clause is not applicable as reporting software is not part of BoQ	BA should provide the Software. Price of software should be included in ITC part
5	Page 39 of 277 of tender document clause 5.6 FIRE ALARM CONTROL PANEL	The fire alarm control panel shall include a PC interface for full programming of the fire alarm system. A security lock (DONGLE) to be provided by the supplier to ensure that programming is done / altered by only authorized personnel	Our system can be connected to PC through ethernet for programming and Our panel password protected , hence dongle is not required.	Noted. BA should ensure the protection of Data.
6	Page 39 of 277 of tender document clause 5.6 FIRE ALARM CONTROL PANEL	Either inbuilt or external printer shall be provided to print the events.	Printer is not part of BOQ , please remove this specification	Noted
7	Page 41 of 277 of tender document clause 5.7 INTELLIGENT ADDRESSABLE FIRE DETECTORS	Operating Temperature: -20 deg C to 50 deg C	As per UL guidelines thermal sensor should have a alarm temperature 14-25 °C higher than normal operating temperature. Thermal sersor actvalte at a temperature of 57°C , hence normal working temperature should be 38°C. Also same is installed across TPSODL locations. Please amend the clause to 38 °C.	Noted
8	Page 43 of 277 of tender document clause 5.7 INTELLIGENT ADDRESSABLE FIRE DETECTORS	Response temperature 79 -88 deg C @ 1 deg C/min	As per UL guidelines response temperature should be at 57 °C (fixed type) or at 8 °C per minutes (rate of rise) for Multixriteria/heat detector. 79-88 is higher temperature which is unsafe for environment condition mentioned. Please clarify	Noted
9	Page 38 of 277 of tender document clause 5.6 FIRE ALARM CONTROL PANEL	Main fire Alarm panel shall have floor mounting with IP55 Enclosure.	As the panel is going to be use in indoor environment , hence please amend clause to IP55/NEMA 1 enclosure as same is installed across TPSODL locations.	Specification to be complied

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
10	Page 18 of 277 of tender document Annexure-I	The panel should be modular, decentralized, with CPU /master control unit, loop cards, relay and interface card by means of duplicated electronics means hardware redundancy with full functionality.	We recomend to amend clause The panel should be modular, decentralized, with CPU /master control unit, loop cards, relay and two circuits for connecting loop cable. Ther will be two class B circuits in fire panel. In case of failure of one another can be used. Same panel in installed across TPSODL also. Please accept panel with dual class B circuit .	Accepted & Noted
11	Page 20 of 277 of tender document Annexure-I	SITC of 2 Pair X 1.5 sq.mm copper conductor, armored, RED colour FRLS,	We need 2 core cable for Fire Alarm system , Please amend this clause to 2 Pair/ 2 Core 1.5 Sqmm copper conductor, armored, RED colour FRLS, as it may vary OEM to OEM based on panel configuration.	Specification to be complied
12	Page 49 of 277 of LIST OF PREFERRED MAKES	FA cable Delton / Vindhya Telelink / Ravicab / Finolex/Polycab	Please amend makes to FA cable Delton / Vindhya Telelink / Ravicab / Finolex/Polycab/ Masterflexo as same is already supplied across TPSODL.	Specification to be complied
13	Page 43 of 277 of 5.9 ADDRESSABLE MANUAL CALL POINTS	Manual call point with outdoor mounting should be of IP65 rating.	Manual call point only 1 no per site will be indoor type only. Please clarify.	Manual call point shall be of outdoor type
14	22 of 277 Cl. of Tender Doc.1	Supply, installation, testing & commissioning (SITC) of addressable type fire detection and alarm system in 45 nos of sub stations under City, Berhampur, Aska, Bhanjanagar, Rayagada and Jeypore circles of TPSODL.	Request to kindly furnish the distances between each station and also the schedule of execution for our considerations.	May Please refer the corrigendum in this regards.
15	38 of 277 Cl. of Tender Doc.5.6	Intelligent controller shall be considered for data exchange with SCADA System. The controller shall support MODBUS (Serial) protocol and RS485 port for communication with Substation RTU. The cable requirement for communication with Substation RTU, laying, termination, and necessary support for configuration and testing with SCADA System will be in the scope of the bidder. The proposed system shall support all the specified zone considered in the scheme for SCADA reporting. Controller shall have adequate internal health monitoring features for reporting to SCADA System.	Modbus communication shall be demonstrated with the universal Modbus protocols for all the inetended use. Request to also provide us the location of RTU & SCADA for our considerations.	With existing RTU and SCADA unit in shared PSS list
16	48 of 277 Cl. of Tender Doc.5.2	LIST OF PREFERRED MAKES	We reuquest to add OEM M/s Autonica make Fire Alarm system as same meets all the criteria as per the specification, Moreover, we have executed completed and commisionined TPWODL 170 stations in the current financial year.	Noted
17	Page 38 of 277 of tender document clause 5.6 FIRE ALARM CONTROL PANEL	The panel should be modular, decentralized,with CPU /master control unit, loop cards, relay and interface card by means of duplicated electronics means hardware redundancy with full functionality.	We recomend to amend clause The panel should be modular, decentralized, withCPU /master controlunit, loop cards, relay and twocircuits for connecting loopcable. There will be two class B circuits in fire panel. In case of failure of one another can be used. As most (only except Honeywell-ESSAR) of the make/ OEM mentioned in your make list has no redundancy features which indicate single make dependent specification..	Noted

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
18	As per BOQ(Schedule of Items) Point 7 of tender document	SITC of 2 Pair X 1.5 sq.mm copperconductor, armored, RED colour FRLS	Please amend this clause from 2 Pair to 2 Core 1.5 Sqmm copperconductor, armored, RED colourFRLS, as 2 core is sufficient for FDA system.	Specification to be complied
19	As per Page Page 45 of Tender Document, clause5.12 under ADDRESSABLE LOOP POWEREDSOUNDER (HOOTER CUM FLASHER)	The addressable loop powered sounders provided shall be such that it gives discontinuous/intermittent audible alarm automatically whenever automatic/manualdetector operates and is distinct from the background noise in every part of the premises. All sounders shall produce a similar sound and shall maintain the same during their operation. Flasher shall be red andvisible enough to be noticed even during day time for quick identification by the concern authority.	UL/FM hooter does not comes with loop powered,but comes withpower from panel, so can weconsider this? As specification also applicable for UL/FM products	Yes
20	As per Pg 26 Tender document Technical Specification Clause 2.0, Pg 29 Clause 4.1	Standard of FACP should be UL/FM/ULC/VDS approved as per BOQ, but Clause 2.0 says the standard of FACP should be UL/VDS/LPCB	Please clarify the standard of the system requirement whetehr it should be Ullisted only or any one of the following: UL/FM/VDS/LPCB/ULC, i.e. is LPCB product is also acceptable. And if yes then can we chose product having LPCB certificate but the same not listed in your make list?	Specification to be complied
21	As per Technical Specifications of Tender Document, Pg 46 Clause 5.14	The cable shall withstand a voltage of 1500 V rms AC when applied for one minute between the two conductors of the pair.	Pls clarify whether 1100 Vrms Ac can be applied as the FDA system is a extra low voltage system and runs with operating current 18-29V DC	Yes
22	Clause No. - 5.20 LIST OF PREFERRED MAKES	Main Fire Control Panel (UL /FM /ULC Approved) - Apollo/ Edwards / Siemens (XLS) Honeywell/Notifier/ System Sensor	Some of OEM, mentioned in the preferred make list, is not complying as per specification. Kindly include " any reputed make", like mentioned in the make list for Response indicator	Specification should be complied
23	Clause No. - 5.20 LIST OF PREFERRED MAKES	Repeater panel - Cerberus (Siemens) / Siemens/ Edwards/Honeywell / Notifier	Some of OEM, mentioned in the preferred make list, is not complying as per specification. Kindly include " any reputed make", like mentioned in the make list for Response indicator	Specification should be complied
24	Clause No. - 5.20 LIST OF PREFERRED MAKES	intelligent addressable type Smoke detector (UL /FM /ULC Approved) - Cerberus (Siemens) / Edwards /Honeywell / Metasys / Pyrotronics/Siemens	Some of OEM, mentioned in the preferred make list, is not complying as per specification. Kindly include " any reputed make", like mentioned in the make list for Response indicator	specification should be complied
25	Clause No. - 5.20 LIST OF PREFERRED MAKES	Addressable type Manual Call Point (UL /FM /ULC Approved) - Cerberus (Siemens) / Edwards / Honeywell / Metasys / Pyrotronics / Apollo	Some of OEM, mentioned in the preferred make list, is not complying as per specification. Kindly include " any reputed make", like mentioned in the make list for Response indicator	specification should be complied
26	Clause No. - 5.20 LIST OF PREFERRED MAKES	Electronic Hooter - Siemens/Honeywell/Simplex/Any Reputed Make	Some of OEM, mentioned in the preferred make list, is not complying as per specification. Kindly include " any reputed make", like mentioned in the make list for Response indicator	specification should be complied

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
27	Clause No. - 5.5 GENERAL FEATURES OF FIRE ALARM SYSTEM (FAS)	All types of detectors mentioned below shall be intelligent individually addressable type (microprocessor controlled). Each detector, MCP, loop sounder and input/output modules shall have built in isolator.	UL is accepted as per specification. As per UL, we can consider Isolator module after 30 detector & devices. On the other hand, as per specification, inbuilt isolator is required with every detector & devices. Kindly remove the same & include that " bidder can consider isolator module after 30 detector & devices."	specification should be complied
28	ANNEXURE I Schedule of Items Line item - 1	The panel should be modular, decentralized, with CPU /master control unit, loop cards, relay and interface card by means of duplicated electronics means hardware redundancy with full functionality.	UL is accepted as per specification. As per UL, Panel will be worked on CPU degrade mode. Kindly remove the clause redundancy & MODBUS from the specification.	specification should be complied
29	General		Kindly extend the due date for 7 working days.	Please refer corrigendum
30	Page 34 of 277 of tender document clause 5.2 SYSTEM DESCRIPTION AND OPERATION	Temperature Range: 0 to 50°C for detectors, control panel, electronics, MCP, sounder, cables etc.	As per UL guidelines thermal sensor should have a alarm temperature 14-25 °C higher than normal operating temperature. Thermal sensor activate at a temperature of 57°C , hence normal working temperature should be 38°C. Please amend the clause to 38 °C.	Noted
31	Page 36 of 277 of tender document clause 5.5.11 Reporting	The software running on the Fire Alarm PC shall be capable of producing alarm reports, diagnostic check reports, fault occurrence reports, layout graphics of the individual detectors, routing and location, especially when there is any alarm or occurrence of fault.	This clause is not applicable as reporting (graphics) software is not part of BoQ	BA should provide the software. Price of software shall be included in ITC part
32	Page 38 of 277 of tender document clause 5.6 FIRE ALARM CONTROL PANEL	Main fire Alarm panel shall have floor mounting with IP55 Enclosure.	As per requirement ,UL listed FACP is to be provided. However, UL Listed product does not support IP rating since, the devices are used in indoor environment as mentioned in NFPA norms.	Specification should be complied
33	Page 43 of 227 of 5.9 Clause	Manual call point with outdoor mounting should be of IP65 rating.	As per requirement ,UL listed FACP is to be provided. However, UL Listed product does not support IP rating since, the devices are used in indoor environment as mentioned in NFPA norms.	Specification should be complied
34	BOQ(Schedule of Items) Point 1 as per tender document	D. min.240 character LCD display	Tender document states - "The FACP display shall have minimum of 4-line x 40-character alpha numeric LCD type (160 characters). Kindly clarify the display size required	Specification should be complied. We required total 240 characters
35	As per Technical Specifications of Tender Document, Pg 46 Clause 5.14	The cable shall withstand a voltage of 1500 V rms AC when applied for one minute between the two conductors of the pair.	Pls clarify whether 1100 Vrms Ac can be applied as the FDA system is a extra low voltage system and runs with operating current 18-29V DC	NO
36	NA	GENERAL QUERY	Please let us know the project completion time which will be linked with LD clause	Tender clause prevails
37	7.2 Payment Terms page 14 of 277	Payment shall be made after completion of the installation work at site and acceptance by TPSODL for at least 05 no. sub stations. BA shall submit the certified bills / invoices to the concerned department. Payment shall be released within 45 days of the receipt of the invoices complete in all respects.	As per GENERAL CONDITIONS OF CONTRACT-COMPOSITE ORDERS page 129 clause 6.0 TERMS OF PAYMENT 5 % advance and 10% against drawing is mentioned and hence requesting you to approve atleast 10% advance payment here. Also please reduce the credit period to 30 days. Please amend the clause.	Tender clause prevails i.e Payment shall be made after completion of the installation work at site and acceptance by TPSODL for at least 05 no. sub stations. BA shall submit the certified bills / invoices to the concerned department. Payment shall be released within 45 days of the receipt of the invoices complete in all respects.