

Tender Enquiry No- TPSODL/OT/2021-22/017				
Package Name:-Rate Contract for SITC of addressable type fire detection and alarm system in sub stations of TPSODL				
Reply to Technical and 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 14 of 221 of tender document clause 7.2 Delivery timelines	Delivery of equipment	Please confirm locations of sub stations.	Locations will be in various Circles like City , Berhampur,Aska, Bhanjanagar, Rayagada and Jeypore Circle
2	Page 35 of 221 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. Please amend the clause to 38 °C.	OK acceptable ( in both conditions)
3	Page 35 of 221 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	Please consider as per specs
4	Page 37 of 221 of tender document clause 5.5.6 GENERAL FEATURES OF FIRE ALARM SYSTEM (FAS)	MCPs shall have LED indication which	As per UL/NFPA guidelines there is no mandate of MCP's LED indication. This is OEM specific feature, Please remove this specification.	OK acceptable ( in both conditions)
5	Page 37 of 221 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	Consider as per requirement in Sr. 1 BOQ item as it is a SITC job
6	Page 40 of 221 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.	OK acceptable ( in both conditions)
7	Page 40 of 221 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	OK acceptable
8	Page 42 of 221 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. Please amend the clause to 38 °C.	OK acceptable ( in both conditions)
9	Page 44 of 221 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	Consider as per specifications
10	Page 39 of 221 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.	Provide as per specs
11	Page 19 of 221 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 electronicsmeans 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.	OK acceptable ( in both conditions)

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
12	Page 21 of 221 of tender document Annexure-I	SITC of 2 Pair X 1.5 sq.mm copper conductor, armored, RED colour FRLS,	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	OK acceptable ( in both conditions)
13	Page 50 of 221 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/ Masterflex	OK acceptable- Masterflex also acceptable
14	Page 45 of 221 of 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.	Please consider as per specs
15	Annexure 1/Pg no-19/20 of 30 (SI no- 2&3 )	SITC of Intelligent Addressable multi sensor Detector- (Smoke + Fixed Tempt. + Rate of rise tempt.) For ceiling (UL /FM /ULC/Vds Approved) inclusive base and other installation accessories. (must have inbuilt short circuit isolator)	As per the BOQ, Inbuilt isolator module is must but our <b>MAKE</b> provides separate isolator module. Please Clarify	<b>OK.Acceptable (in both ways)</b>
16	Annexure 1/Pg no-21 of 30 (SI no - 7)	SITC of 2 Pair X 1.5 sq.mm copper conductor, armored, RED colour FRLS, PVC sheathed signal Cable confirming to IS standards and specifications	It is mentioned 2 pair X 1.5 sq. mm which exactly means 4 core wire. As per NEPA/UL listed guidelines,it requires 1 pair X 1.5 sq.mm i.e - 2 core wire.Since we have earthing in our panel itself.	<b>OK.Acceptable (in both ways)</b>
17	Annexure 1/Pg no-20 of 30 (SI no - 6)	SITC of Electronic Hooter/Multi tone sounder (must have inbuilt short circuit isolator,) (UL /FM /ULC/Vds Approved) Indoor type	As per NEPA and UL listed guidelines, wiring of hooter cum flasher has to be separate wiring and can't be intergrated within the loop. Hence, the same doesn't come with inbuilt short circuit isolator. Please clarify	<b>OK.Acceptable (in both ways)</b>
18	Annexure 1/Pg no-20 of 30 (SI no - 6)	SITC of Electronic Hooter/Multi tone sounder (must have inbuilt short circuit isolator,) (UL /FM /ULC/Vds Approved) Indoor type	As mentioned indoor type Electronic Hooter is required but as per our expirience, Outdoor type Hooter cum flasher is used so as to alert the person sitting outside premises.Since, the sub station will be fully automated. Please clarify.	Indoor type required
19	Annexure 1/SI no - 1(F)/Pg no-19 of 30	The panel must provide MODBUS/ RS485 port for integration with SCADA	An extra Monitor Module is required for silencing of systems from your SCADA centre.Please clarify	As per specs only
20	Annexure 1/SI no - 1(F)/Pg no-19 of 30	The panel must provide MODBUS/ RS485 port for integration with SCADA	Extra 2 core shielded cable required from the Fire Panel to RTU panel for SCADA integration.	Consider as per requirement in Sr. 1 BOQ item as it is a SITC job
21	Annexure 1 (Schedule of Items)	Extra equipments required	MCB is required near the Fire Panel to control the AC supply	Consider as per requirement in Sr. 1 BOQ item as it is a SITC job
22	Annexure 1 (Schedule of Items)	Extra equipments required	Extra Power Cable i.e 4 core X 2.5 sq mmm copper armoured FRLS cable confirming to IS standard with accessories ( Gland,Lug,Saddle etc) is required for supplying of power from ACDB to Fire Panel	Consider as per requirement in Sr. 1 BOQ item as it is a SITC job
23	ANNEXURE-VII-TECHNICAL SPECIFICATION (5.5.18)	Auto Dialer to be provided to call the concerned persons/Fire office in the event of Fire. The Dialing facility shall be available to at least 4 persons at a time.	In the Technical Specifcations, there is mentioned the Auto Dialer is <b>OPTIONAL</b> . And as per our expirience, Auto Dialer is not required since the FDAS system will be integrated with SCADA.	OK.
24	Annexure 1 (Schedule of Items)	Extra equipments required	GI flexible pipe of 20 mm dia required for laying the RS485 cable inside the pipe to prevent any damages from FDAS panel to RTU panel.	Consider as per requirement in Sr. 1 BOQ item as it is a SITC job