

Subject: Pre-Bid Clarification

Tender No.:TPCODL/P&S/1000000129/21-22

Tender Name: Rate contract for supply of Cable Fault Locator and Testing Equipment

Sr. No.	Clause description	Description as per Bid Document	Bidder Query	TPCODL Response
1	ONLINE ULTRASOUND DETECTION EQUIPMENT POINT NO 8	The unit shall be equipped with an internal camera to be able to directly make images and integrate them into the test report.	This feature is useless for PD detection by electrical method as this would be useful only for thermography or thermal method of detecting PD.	As per technical specification
2	ONLINE ULTRASOUND DETECTION EQUIPMENT POINT NO 14.e	The unit shall be capable of performing Temperature & Humidity measurements. This data shall be saved on the unit itself and will automatically be taken over in the report	As mentioned IEC standard 62478, partial discharge is independent of temperature & humidity.	As per technical specification
3	ONLINE ULTRASOUND DETECTION EQUIPMENT POINT NO 13.d	For Ultrasonic Measurements: a. Transducer Centre frequency : 30, 40 and 80 kHz (selectable).	For ultrasonic partial discharge measurements as per IEC 62478 the genuine required frequency is 40 kHz, Frequencies other than 40 KHz may introduce dubious measurements from the near by environment	As per technical specification
4	LT CABLE FAULT LOCATOR	The unit should operate on power supply and should also run based on 12 V internal rechargeable batteries (internal batteries to be provided)	We are providing with Mains operated system	As per technical specification
5		Automatic fault locating procedure starting with a Hi pot testing, continuing with the pre-location and pinpointing.	It is standard practice of Manual operation with step by step from Hi pot to pin pointing .	As per technical specification
6		Operating of unit via Graphical User Interface and rotary control knob, which should guide the operator step by step through fault locating procedure.	Manual operation with knob as well voltage tap changing for rated voltages.	As per technical specification
7		a.Control : via rotary control knob	Voltage increase via variac control to voltage control .	

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8		a. Internal Battery supply: Internal 24 V NiMH Rechargeable Battery 5 AH Approximately. a.b. AC Line: 100 – 230 VAC ±50/60 Hz	We are providing with Only 230VAC +/- 50hz	As per technical specification
9		a.Weight : Max 35 kG	Our system Weight Approx 70kg	As per technical specification
10	PINPOINTER	The cable fault locator should include supply of portable cable fault pin pointing instrument which should pinpoint Fault location by the magnetic field and sound signal coincidence method w consisting of a receiver and ground sensor with accessories, headphones, connection cables and transport box, instrumen should have High performance electronic suppression of exter noise and interference.The communication between sensor & display unit shall be wi & Bluetooth.	Pin pointing by the magnetic & Sound coincidence method with ground sensor connected with the wired . It is very sufficient to pin point the fault .	As per technical specification
11		Bidder's may be called for demonstration of the offered equipment as a part of technical evaluation	We can do the demonstration as a part of technical evaluation but need some time for manufacturing the system from our end	As per technical specification
12	HT CABLE FAULT LOCATOR	The kit shall be used for cable types namely XLPE, PVC, PILC with Al / Cu conductor. The most essential requirement is that the unit should be easily portable and must not weight higher than 125kg. All the features explained below should be inbuilt into one unit except the pinpointing set.	Yes all the features were inbuilt expect the pin pointer . Weight is approx. 350 kg .	As per technical specification
13		The set shall be capable to identify and locate faults for all types of cable faults including high resistance, low resistance or intermittent / flashing faults using a microcontroller based	It can able to locate all type of fault but not a single controlled knob with different controlled switches for all modes .	As per technical specification

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14		<p>b. Integrated Insulation resistance testing It shall have facility to perform insulation test with up to 20kV with same set of cables.</p>	External unit will be supplied 0-20kv	As per technical specification
15		<p>c. Integrated Surge Generator: It shall produce single short surge as well as repetitive surge; this frequency can be varied using a timer. The single short surges are meant for breaking down a fault for analysis with the digital fault locator and repetitive surges for pin pointing the faults with surge wave receiver. 7. Impulse: 0-32KV in suitable steps 4/8/16/32KV 8. Minimum Surge Energy at 8/16/32KV: 2000 Joules 9. Minimum Surge Energy at 4kV range: 1100 Joules 10. DC output 0 to 40kV 11. Surge Rate: 3.....10sec, Single shot Safety Protection: The instruments should be operational through separate control unit and should have protective PCBs for auto discharge, capacitor discharge, earth monitoring etc.</p>	<p>Complied with 0-4,8,16,32 0-4 kv /1000J 0-8,16,32/2000J . For LT cables 1000J is very sufficient to find the faults in underground cables.</p>	Agreed, 0-4 kV 1000J, 0-8 kV, 0-16 kV, 0-32 kV 2000J each
16		It should have automatic end detection feature in ARM & TDR mode and should also automatically mark fault position in all mode.	Manual adjustment of curves in faulty ranges through touch screen or encoder	As per technical specification

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17		Display: minimum 10" industrial grade Colour TFT with automatic backlight LED adjustment. It should provide minimum luminance of 1000cd/m2 and directly bonded anti glare screen	8.4 inches, 640x480dots, Touch screen and Color LCD	As per technical specification
18		Memory: Automatic storage of data and a min of 3 GB data storage facility in the kit to store more than 100,000 measurements with automatic storage of all test data.	To store a particular waveform we can able to store internally as well manually to USB	As per technical specification
19		In Arc reflection mode, unit should capture 15 fault traces on one single surge pulse. User should be able to select the best out of all the traces using the control knob. The test report of same feature shall be submitted for verification.	It will produce best 3 fault traces wave form and it is sufficient to pre locate the distance in ARC reflection method	As per technical specification
20		4. Control and operation: Unit shall be controlled and operated via a single control knob and touch screen menu. User should be able to select mode and apply high voltage via control knob itself. Manual control of voltage via variac shall not be accepted.	Manual controlled variac will be provided . Need confirmation for accepting our manual varaic shall be accepted .	As per technical specification
21		6. DIMENSIONS : Cable fault locator unit should be portable and should weight up to a maximum of 125 Kg.	Approx 350kg	As per technical specification

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22		<p>ACCESSORIES.</p> <p>1) Fault Pinpointing Set:</p> <p>Pinpointing set shall have following features:</p> <ul style="list-style-type: none"> •Battery operated surge wave receiver should be portable & rugged for field operation. •It shall consists of a display, a sensor unit and a headphone •Automatic adjustment of gains for Acoustic & Electro Magnetic channels. It should also have selectable electromagnetic trigger lever for acoustic reading. •Unit should indicate the acoustic signal detection on display. •Unit should indicate electro-magnetic field strength in figures and bar-graph. •Unit should also indicate the cable orientation on the display (left or right). It should also show orientation of cable angle in visual form. •Unit should be supplied with rugged industrial head phones with external noise filtering which shall have wired connection to display unit. Optionally Bluetooth headphone facility shall also be available. Unit should have optional facility for simultaneous pinpointing by both wired as well as Bluetooth headphones so that two operator can perform pinpointing on same fault. •Unit should have the feature of automatically sensing the touch of pickup and muting of headphones 	<p>Complied head phones will be wired only . No Bluetooth facility for 2nd operator head phone .</p>	<p>As per technical specification</p>
23	High Voltage Bridge	Interface	USB Port-We don't have the USB port for interface	As per technical specification
24		Memory	Min 2GB-No	As per technical specification
25		Operation	Through Single knob-Not through single control knob separate knob for operation	As per technical specification

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26		Safety Connection Guidance	Required & shall display	As per technical specification
27	Schedule of Items & Technical Specification	Package-2: SWITCHGEAR EQUIPMENT: Item no. 9 AC LEAKAGE CLAMP ON METER Qty 20 no.	Technical Specifications against Pkg-2 BOQ Item no 09. AC LEAKAGE CLAMP ON METER is not available in tender document	mentioned in Sl. No.9 for package-2
28	Technical Specification	Technical Specification of 5KV (HV)Digital Insulation Resistance Test Set	5KV (HV)Digital Insulation Resistance Test Set Technical Specification is mentioned in tender document page no 147-149 but it is not available in Schedule of Items	As per technical specification
Commercial T&Cs				
29	Evaluation Criteria	The bids will be evaluated commercially on over BC	Since the EMD is Package wise; please confirm if the bidder has to quote for both the package. Also please confirm if the bidder wants to participate in single package then he can quote any items or he has to quote all items of that package.	Bidder can quote for any line item for package-2. for package-1, all line items. EMD shall be same as specified in Tender document.
30	1.7. Qualification Criteria	b) Bidder must have successfully executed the supply ofQuantities: Package-1 (CFL Equipment) singel and multipel order Quantities: Package-2 (Switchgear Equipment) singel and multipel order within last 5 Year. Copy of completion certificates to be submitted in this regard.	No One authorized dealer Have much credential for all item package item Hence we sincerely request you kindly consider manufacture credential	Agreed
31	8.0 SECURITY CUM PERFORMANCE DEPOSIT	As per Annexure B of this document from banks acceptable to TPCODL for: (a) 5% of the PO value if purchase order value is more than Rs 5 Crores. (b) 10% of the PO value if purchase order value is less than Rs 5 Crores.	Now a days all central government state government tender paper cost emd amount nill and for More participate the tender and PBG Value maximum 3% . Hence please ammendmen the tender . TPNODL and TPWODL mention in their tender PBG clause 3%	Please refer MSME clause as per annexure-1 attached with this clarification

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32	1.7. Qualification Criteria	b) Bidder must have successfully executed the supply of Quantities: Package-1 (CFL Equipment) single and multiple order Quantities: Package-2 (Switchgear Equipment) single and multiple order within last 5 Year. Copy of completion certificates to be submitted in this regard.	please consider only turn over and supplier have experience to supply Testing Instrument	Bidder shall comply as per clause no. 1.7 (Qualification Criteria) of the tender document.
33	8.0 SECURITY CUM PERFORMANCE DEPOSIT	As per Annexure B of this document from banks acceptable to TPCODL for: (a) 5% of the PO value if purchase order value is more than Rs 5 Crores. (b) 10% of the PO value if purchase order value is less than Rs 5 Crores.	PBG clause 3%	Please refer MSME clause as per annexure-1 attached with this clarification
34	EMD	Package-1: 2 Lakh Package-2: 1.50 Lakh	Please Reduce the EMD value as per current scenario all government and private tender EMD value Nil or Msm vendore EMD and Tender cost 25%	Please refer MSME clause as per annexure-1 attached with this clarification

TP CENTRAL ODISHA DISTRIBUTION LIMITED

Preferential norms for procurement from MSMEs registered in the State of Odisha

1) Earnest Money Deposit (EMD)

EMD shall be exempted for MSME registered in the State of Odisha. However, Bidder shall be barred to participate in the tendering process for a period of 2 years in case it backs out post award of the contract.

2) Qualification Requirement for Open Tenders

Qualification Requirement of Financial Turnover for MSME registered in the State of Odisha shall be reduced to 20% of the existing criteria.

For past experience, instead of relying on the volumes / value of earlier Supplies / Projects, assessment of the Bidder shall be done on the basis of feedback from Customers. Past performance experience at Tata Power and its Group Companies shall supersede feedback from other Customers.

3) Reservation for MSME

It shall be mandatory to procure at least 20% of the total volume of the procurement from MSME registered in the State of Odisha (however, it shall not apply where goods/services are not available with the MSME), subject to matching L1 discovered prices and meeting technical specifications including quality requirements.

4) Performance Bank Guarantees

Performance Bank Guarantee for MSME registered in the State of Odisha shall be 25% of the value normally prescribed.