



SIDBI INNOVATION AND INCUBATION CENTRE
INDIAN INSTITUTE OF TECHNOLOGY KANPUR



To,

Ref NO: IIT/SIIC/Mole/CableFault/BV/12-12-2014

INVITATION FOR QUOTATIONS FOR SUPPLY OF CABLE FAULT LOCATOR WITH ITS VARIOUS COMPONENTS

Brief Description of the Goods	Specifications*	Qty.	Delivery Period	Place of Delivery	Installation Requirement if any
CABLE FAULT LOCATOR WITH ITS COMPONENTS	Mentioned below	01	20 Days	Central Store, IIT Kanpur	Yes

TECHNICAL SPECIFICATIONS OF CABLE FAULT LOCATOR WITH ITS VARIOUS MPONENTS

1.	<p><u>HV SURGE WAVE TESTER</u></p> <p>The instrument is to pinpoint the location of all types of underground cable faults up to 11kv networks.</p> <p>Technical Data:</p> <ul style="list-style-type: none">-Surge Voltage Range: 0-4kV, 8kV & 16kV.-Output Capacity: 1000 joules at 0-4kV, 8kV & 16kV (Basic capacity 500 joules and on capacitor bank to increase the joules energy up to 1000 joules)-Surge Sequence: 1.5, 3 & 6 secs., single shot-Power Supply: 230V \pm 10% 50Hz, \pm10%-Volt Meters: Output Voltage Indicator-Accessories: 3 mtrs screened HV cable with clamp,-Protection: The surge generator is of continuous rating and provided with output socket interlock, zero interlock, Over current protection, ON/OFF switch, Thermal over load switching Off. Facility of automatic discharge of capacitors after switching off and in the event of supply failure is incorporated.
2.	<p><u>SURGE WAVE RECEIVER/PICK UP SET</u></p> <p>Surge wave Receiver, for pinpoint location of cable fault by acoustic method in LT/IIT cables. Separate indications, volume/sensitivity controls for magnetic & acoustic signals.</p> <p>Dual Channel LCD display denoting the signal strength of magnetic & acoustic signal,</p>

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	<p>Technical data: -Broad band filter: 70Hz-3000Hz -Power supply: 8x 1.5V dry AA size batteries for 12V operation. -Input Impedance: 500 ohms for ground microphone -Output impedance: 500 ohms for head phones Accessories: a) Ground Micro Phone, (b) Spl. Headphones, Magnetic Channel: 9820Hz \pm 10Hz bandwidth filter</p>
3.	<p><u>PORTABLE CABLE FAULT PRE-LOCATOR</u></p> <p>Portable cable fault locator. Very simple to operate. The unit is capable of pre-locating open/short circuit type of faults in power cables.</p> <p>Technical data: -Mode of Operation: Pulse reflection comparison. -Measuring Range: 50m 100m, 200m, 800m, 1.6Kms, 3Kms & 6Kms -Resolution: 20 cm -Measurement mode: Auto or manual -Fault measurement accuracy: $\pm 1\% \pm 1m$ -Sampling Speed: 500 MS/s -Cable Constant (VOP) range: 50 to 300 m/u sec -Display: LCD 320X240 pixel (Back-IIT) -Memory: To store 20 wave-forms -Interface: PC via RS 232 serial port -Power supply: 7.2V rechargeable battery 2.2 AH capacity Ext. battery charger, 230V/400mA</p>
4.	<p><u>CABLE ROUTE TRACER</u></p> <p>For exact location of underground cable route, depth, measurement & ground survey of all types of U/G cables. The route tracing set consisting of the following units:</p> <p>a) Audio generator: Power output 1-2-4-8 watts selectable. O/p freq.: 480Hz, 1.45KHz & 9.82KHz. Power Supply: 12V 3.2AH rechargeable battery.</p> <p>b) Audio receiver: Receiving freq. 50Hz, 480Hz, 1.45KHz & 9.82Khz Gain: Broad-band 100.....7000Hz</p> <p>Other Accessories: Search coil, Transmitter coil, Identification coil, Headphones, Earth spikes, connection leads & carrying case.</p>



Terms & Condition

1. The scope includes:

- a. Setting up machine in IIT Kanpur.
- b. Initial Installation and configuration.
- c. Training.

Bid Price

- a) The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
- b) All duties, taxes and other levies payable on the raw materials and components shall be included in the total price. **Except Central Excise Duty & CDEC** (custom duty), as IIT Kanpur is exempted from this duty.
- c) Sales tax in connection with the sale shall be shown separately.
- d) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- e) The Prices shall be quoted in Indian Rupees only.

3. Each bidder shall submit only one quotation.

4. Validity of Quotation

Quotation shall remain valid for a period not less than 60 days after the deadline date specified for submission.

5. Evaluation of Quotations

The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

- (a) are properly signed ; and
- (b) Conform to the terms and conditions, and specification

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The Quotations would be evaluated separately for each item

Sales tax in connection with sale of goods shall not be taken into account in evaluation.

6. **Award of contract**

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive (includes technically suitable) and who has offered the lowest evaluated quotation price.

6.1 Notwithstanding the above, **the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.**

6.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.

7. Payment shall be 90% against the delivery and 10% after satisfactory installation & configuration.

8. The items quoted by any firm are accepted only when they meet the relevant Indian Standards specifications and the firm also provides the testing certificates from reputed BIS recognized testing bodies like CPRI, ERDA, IITs, etc.

9. Warranty/ guarantee shall be 60 months to the supplied goods.

10. You are requested to provide your offer latest by 2.30 p.m. hours on **25/12/2014**

11. We look forward to receiving your quotations and thank you for your interest in this pro



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FORMAT OF QUOTATION *

Sl. No.	Description Goods	Specifications	Qty.	Unit	Quoted Unit Rate in Rs.	Total Amount	
						In Figures	In Words
	TOTAL						
	Sales Tax						

Gross Total Cost : Rs.

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs.(amount in figures) (Rs. amount in words) within the period specified in the Invitation for Quotations.

We also confirm that the normal commercial warrantee/guarantee of 60 months shall apply to the offered goods.

Signature of Supplier



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SPECIAL CONDITION

1) Authorization from Manufacturer

In the case of a Bidder offering to supply goods under the contract which the Bidder did not manufacture or otherwise produce, the Bidder has been duly authorized by the goods' Manufacturer or producer to supply the goods in India.

2) Proof of Manufacturing and past performance.

Details of experience and past performance of the bidder on equipment offered and on those of similar nature within the past one year and details of current contracts in hand and other commitments

Dr. B.V Phani

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