



**NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL**

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**INVITATION FOR QUOTATION**

**TEQIP-III/2017/ntis/Shopping/6**

**12-Jan-2018**

To,

**Sub: Invitation for Quotations for supply of Goods**

Dear Sir,

1. You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications given at Annexure I,

Sr. No	Brief Description	Quantity	Delivery Period(In days)	Place of Delivery	Installation Requirement (if any)
1	Power Analyzer	1Nos	90 Days	Dept. of E&E Engineering NITK Surathkal Post Srinivasnagar Mangalore	Demo and Installation required

2. Government of India has received a credit from the International Development Association (IDA) towards the cost of the **Technical Education Quality Improvement Programme [TEQIP]-Phase III** Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.

3. Quotation,

3.1 The contract shall be for the full quantity as described above.

3.2 Corrections, if any, shall be made by crossing out, initialing, dating and re writing.

3.3 All duties and other levies payable by the supplier under the contract shall be included in the unit price.

3.4 Applicable taxes shall be quoted separately for all items.

3.5 The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.

**3.6 The Prices should be quoted in Indian Rupees only.**

4. Each bidder shall submit only one quotation.

5. Quotation shall remain valid for a period not less than **45 days** after the last date of quotation submission.

6. Evaluation of Quotations,

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

6.1 are properly signed ; and

6.2 confirm to the terms and conditions, and specifications.

7. The Quotations would be evaluated for all items together.

8. Award of contract:

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

8.1 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.

8.2 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.

9. Payment shall be made in Indian Rupees as follows:

**Delivery and Installation - 0% of total cost**

**Satisfactory Acceptance - 100% of total cost**

10. All supplied items are under warranty of **36** months from the date of successful acceptance of items.
11. You are requested to provide your offer latest by **15:00** hours on **05-Feb-2018**.
12. Detailed specifications of the items are at Annexure I.
13. Training Clause **NA**
14. Testing/Installation Clause **Demo and Installation required**
15. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
16. Please mention the item name on the envelop containing the quotation.
17. Sealed quotation to be submitted/ delivered at the address mentioned below,


**Office of the TEQIP-III**

**National Institute Of Technology Karnataka, Surathkal**

**Post Srinivasnagar**

**Mangalore - 575025**

18. We look forward to receiving your quotation and thank you for your interest in this project.

  
Nodal Officer, Procurement Jan 15, 2018



## Annexure I

Item Name: **Power Analyzer**

Sr. No		Specification of Power Analyzer with accuracy 0.02%	
1	<b>Range</b>	Basic power accuracy (50/60 Hz)	0.02% of reading + 0.04% of range
		Measurement power bandwidth	DC, 0.1 Hz to 1 MHz
		Input elements	4
		Voltage range	15/30/60/100/150/300/600/1000[V] (when crest factor is 3)
		Direct input Current range	Select from 0.5/1/2/5/10/20/30[A] or 5m/10m/20m/50m/100m/200m/500m/1/2 [A] (when crest factor is 3) Select from 0.25/0.5/1/2.5/5/10/15[A] or 2.5/5m/10m/25m/50m/100m/250m/500m /1 [A] (when crest factor is 6)
		External sensor input Current range	50m/100m/200m/500m/1/2/5/10[V] (when crest factor is 3) 25m/50m/100m/250m/500m/1/2.5/5[V] (when crest factor is 6)
		Guaranteed accuracy range for voltage and current ranges	1% to 130%
2	<b>Measurement parameters</b>	Main measurement parameters	Voltage, current, active power, reactive power, apparent power, power factor, phase angle, peak voltage, peak current, crest factor
		Peak hold (instantaneous maximum value hold)	yes
		MAX hold	yes
		Voltage RMS/MEAN simultaneous measurement	yes
		RMS/MEAN/AC/DC simultaneous	yes



		measurement	
		Mean active power	yes
		Active power amount (WP)	yes
		Apparent power amount (WS)	yes
		Reactive power amount (WQ)	yes
		Frequency	yes
		Efficiency	yes
		Phase angle between phases (fundamental wave)	yes
		Motor evaluation	yes
		FFT spectral analysis	
		User-defined functions	
3	<b>Display resolution</b>	Voltage, current, power	600,000
		Power amount, current amount	999,999
		Frequency	99,999
4	<b>Display</b>	Display	8.4-inch TFT color LCD
		Display format	Numerical values, waveforms, trends, bar graphs, vectors
		Sampling frequency	Approximately 200 kS/s
5	<b>Measurement/ functions</b>	Harmonic measurement	yes
		Harmonic measurement in normal measurement mode	yes
		IEC standards-compliant harmonic	yes

		measurement	
		Flicker measurement	yes
		Cycle by cycle measurement	yes
		Compensation function	yes
		Delta calculation function	yes
		DA output	yes
		Synchronized operation	yes
		Storage (internal memory for storing data)	approximately 30MB
6	<b>Other features</b>	Interfaces	GP-IB; RS-232 ; USB; VGA output ; Ethernet
		Communication command standards	Commands in IEEE488.2 standard
		Data updating interval	50m/100m/250m/500m/1/2/5/10/20[S]
		Removable storage	PC card interface; USB
		Printer	Built-in printer (front side)

**FORMAT FOR QUOTATION SUBMISSION**

(In letterhead of the supplier with seal)

Date: \_\_\_\_\_

To:

\_\_\_\_\_

\_\_\_\_\_

Sl. No.	Description of goods (with full Specifications )	Qty.	Unit	Quoted Unit rate in Rs. (Including Ex Factory price, excise duty, packing and forwarding, transportation, insurance, other local costs incidental to delivery and warranty/ guaranty commitments)	Total Price (A)	Sales tax and other taxes payable	
						In %	In figures (B)
<b>Total Cost</b>							

Gross Total Cost (A+B): Rs. \_\_\_\_\_



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

We confirm that the normal commercial warranty/ guarantee of \_\_\_\_\_ months shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the Invitation Letter.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact No: \_\_\_\_\_