

NSIC

THE NATIONAL SMALL INDUSTRIES CORPORATION LTD

(A Government of India Enterprise)

NSIC-TECHNICAL SERVICES CENTRE

Kushaiguda, ECIL(PO),

HYDERABAD-500 062.

Phone Nos. 27121422, 27126646 Fax. No.27122303

Tender Serial No: SIC/TSC/HYD/ELE/13-14/01

TENDER SCHEDULE

2013-2014

for

Purchase of

POWER ANALYZER /LOAD MANAGER

Name of the Firm :

Address

Contact Person Name :

Phone No.

Fax No.

This Tender is invited on behalf of

The Chairman Cum Managing Director,
The National Small Industries Corporation Limited,
NSIC Bhavan, New Delhi-110020

The Persons and firms intending to offer rate for supply of **POWER ANALYZER / LOAD MANAGER - 01 no.** to our Corporation should observe the Terms & Conditions given below:-

TERMS & CONDITIONS

GENERAL

1. Sealed tenders should be addressed to:
The DGM & Centre Head,
NSIC-Technical Services Centre,
The National Small Industries Corporation Limited,
Kushaiguda, ECIL (PO)
HYDERABAD - 500 062.
2. The envelop should be properly sealed and super-scribed as “**TENDER FOR Supply of(POWER ANALYZER / LOAD MANAGER) - 01 no Enquiry No._ NSIC/TSC/HYD/ELE/13-14/01 Dt: 22-04-2013, Closing Date 01-05-2013.**”
3. Last date for **submission of quotations is 01-05-2013 by 15.30 HRS.**
4. Please quote strictly as per the specifications mentioned in **Annexure.**
5. Incomplete tender/deviations are liable to be rejected.
6. Conformity to International/National quality standards should be supported by relevant test certificates from recognized laboratories Such as NABL.
7. List of user for this item to be enclosed.
8. Tenders received after the due date and time will not be considered.
9. Separate Quotations are required for **Technical Bid** in one sealed cover and **Financial Bid** in another sealed cover
10. NSIC-TSC will not be responsible for any postal delays.

11. The tender will be **opened on 01-05-2013, 16.00 Hrs** in the DGM's office, NSIC-Technical Services Centre, Kushaiguda, ECIL(PO), Hyderabad-62, in the presence of DGM & Centre Head, NSIC-Technical Services Centre, Hyderabad.
12. The Corporation reserves the right to accept or reject any or all quotations without assigning any reasons. The decision of the Corporation in all matters relating to this tender shall be final and conclusive. In case any dispute, Hyderabad shall be legal jurisdiction.

PRICES

13. The Price quoted should be clearly mentioned both in figures and words. Any correction in rates shall be attested by the person signing the tender.
14. The prices quoted should be indicated separately as, Basic cost, VAT, central Sales tax (against from C), Octroi Charges, Excise Duty, Packaging Forwarding, Freight, Insurance and other charges if any.
15. No other charges will be paid by the Corporation other than the quoted prices.
16. The supply should be made at the supplier's own risk. Damages and breakages, if found in transit, the software there of should be replaced with new one.

DELIVERY

17. The supplier has to clearly mention as to within how many days the delivery of the software will be done after placing supply order.
18. The delivery of the Equipments with Accessories shall be done at NSIC-Technical Services Centre, Kushaiguda, ECIL(PO), Hyderabad-62, premises.

INSTALLATION, COMISSIONING & TRAINING

19. The price quoted is inclusive of Training (for 3 days) of our employees at our premises.
20. It is the responsibility of the tenderer to provide all facilities to the officials employed by him to carry out the training and the organization will not pay any amount.

GUARANTEE & WARRANTY

21. Guarantee & warranty period of one year from the date of satisfactory installation and commencement.

VALIDITY

22. The tender should have minimum validity period of 30 days from the closing date of submission of tender i.e., 01-05-2013

PAYMENT

23. Payment shall be made after execution of the order to the entire satisfaction of the Corporation.
24. 90% payment will be released on supply of equipments with accessories at our centre and balance 10% after expire of the warranty period or against submission of Bank Guarantee for balance of amount.
25. TIN/CST & PAN Numbers should be mentioned in the tender, failing which the tender is liable to be rejected.

If the above terms and conditions are acceptable to you, pleased quote your competitive price on or before **01-05-2013 by 15.30 hrs**. Please enclose a copy of this letter duly signed stating acceptance to the terms and conditions mentioned.

Accepted above terms and conditions

Yours faithfully,

DGM & Centre Head

Party's Signature with Seal

Date:

Annexure

Tender Document No: NSIC/TSC/HYD/ELE/13-14/01

Date: 22-04-2013

Due Date: 01-05-2013

No. of channels	4 Voltage & 4 Current
Basic Parameters measured	Voltage (RMS AC+DC) Phase-phase 10 V to 1000 V
	Voltage (RMS AC+DC) Phase-neutral 10 V to 1000 V
	Currents AC & DC -5 mA to 6500 Amps
	Frequency
	Neutral Current
	Peak Voltages & Peak Currents
	Inrush Currents (60 secs)
	Powers - kW, kVA, Kvar (Kvar with/without harmonics)
	PF & Displacement PF , Tan Angle
	Energies - kWh, kVAh, kVArh with start & stop counters
	Energy import & export
Power Quality Measurements	Voltage harmonics up to 50 th order
	Current harmonics up to 50 th order
	Display of bar graphs for harmonics
	THD - Voltage & Current
	Crest Factor & K-Factor
	Flicker
	Harmonics generated/received
	Zero, positive & negative sequence harmonics
Sampling rate per cycle	256 samples per cycle, simultaneously in each channel
Waveform display	Real time waveform display - voltage & current

Phasor diagrams	Displayed for voltage & current
Frequency range	40 Hz to 69 Hz
PF working range	0 lag to Unity to 0 lead
Memory size	2 GB internal memory
Screen snapshots	Records max. 50 snapshots
Transient records	Records max. 210 Transient records
Memory features	User settable recording interval, start & end time
	Facility to select parameters for recording
	Data Logging with timestamp
	Display of trends of recorded data
Max no. of alarms	10000
Alarm functions	User settable thresholds, time delay & hysteresis for any parameter
	Capture min & max alarms with timestamp, value & alarm duration
	Real-time transfer of data to PC
Software features	Data analysis as per EN 50160 standard
	Configuration of instrument through software
	Data transfer - all recorded data, alarms, screen shots & transients
	Export to Excel, PDF formats
Multi-tasking	<p>Allows simultaneous functions – real-time monitoring, data logging, alarm recording, transient recording, screen snapshots, data transfer to PC.</p> <p>Facility to view other function modes while data logging in progress.</p>
General features	Automatic recognition of clamps
	Help function for each screen

Display	Color ¼ VGA LCD screen, 320 x 240, diagonal 148 mm
Connection types	1-phase, 2-phase, 3-phase 3-wire, 3-phase 4 wire , 3-phase 5-wire
Electrical Safety	IEC 61010 1000 V CAT III / 600 V CAT IV
Communication Interface	USB Type B
Type of battery	Rechargeable NiMh
Power Supply	External adaptor
Battery backup	up to 8 hours
Dimension	240 x 180 x 55mm
Weight	1.9 kg
Operating temperature	0 – 50 deg C
Accuracy of instrument excluding current probe errors	Voltage : 0.5% + 2 pt
	Current : 0.5% + 2 pt
	Power Factor : 0.01
	kW, kVA : 1.00%
	kVAr : 1.50%
	kWh : 1.00%
	THD : 1% + 5 pt
	Frequency : 0.01

Current probes :	<p>Ampflex Flexible current probe Length : 800mm ; Internal diameter : 250 mm ;</p> <p>Measurement range : 10 Amps to 6500 Amps – Set of 4 Nos</p>
	<p>MN93A Dual Range Current Probe ID 20 mm:</p> <p>Measurement range : 5 mA to 5 Amps & 100 mA and 100 Amps - Set of 4 Nos</p>
Calibration	Local Service and Calibration centre in India
Guarantee	Minimum One Year
Test Certificate	Calibration test certificate to accompany the product, certificate traceable to NABL standards.
Field Training	Training must be offered to the user at the time of delivery
After Sales Service	The company should be having service facility to offer quick after Sales support, covering guarantee and post- guarantee periods
Calibration Support	Factory set calibration services should be available. The supplier should produce letter of authentication from principals or from the original manufacturer for offering authorised service and calibration support.
List of Items to Supply	<p>1.Main Instrument</p> <p>2. 3mtr Voltage Probes with C.Clips - 5nos</p> <p>3.Current Probes – 8 nos (4 Nos – Flexible Probes 250mm -ID) ; 4 Nos –Dual Range MN93A)</p>

	<ul style="list-style-type: none">4. Power Adapter5. Power Analysis Software6. USB Cable7. Carry bag8. Calibration report and user manual
--	---

Note: All the parties are advised to submit your proprietary ship letter of the principal/manufacturer or Authorization letter from the principal /manufacturer.

Date:

Place:

Authorized Signatory