

OIL INDIA LIMITED  
(A Govt. of India Enterprise)  
Udyan Vihar, Narengi, Guwahati,  
Assam

Fax-91 0361 2643686  
Email-oilmatpl@oilindia.in

**Tender No. & Date : GOD2395L12/1H 17.06.2011**

Bid Security Amount : INR 0.00 OR USD 0.00  
(or equivalent Amount in any currency)

**Bidding Type : Single Bid (Composite Bid)**

Bid Closing On : 18.08.2011 at 13:00 hrs. (IST)  
Bid Opening On : 18.08.2011 at 13:00 hrs. (IST)

Performance Guarantee : Not Applicable

OIL INDIA LIMITED invites Limited tenders for items detailed below:

Item No./ Mat. Code	Material Description	Quantity	UOM
<b>10</b> 0C000001	<p><b><u>POWER QUALITY ANALYZER</u></b></p> <p>PORTABLE THREE PHASE POWER QUALITY ANALYZER WITH ACCESSORIES WITH FOLLOWING PARAMETERS.</p> <ol style="list-style-type: none"> <li>1) Voltage Range: 1-1000V, Accuracy: +/- 0.1% of nominal voltage</li> <li>2) Current: 0.5A-3000A, Accuracy: +/- 0.5%</li> <li>3) Frequency: 43 Hz-57 Hz, Accuracy: +/- 0.01 Hz</li> <li>4) Power Factor: 0-1, Accuracy: +/- 0.033</li> <li>5) Transient: Upto 6 kV Min. time duration for 5 micro sec.</li> <li>6) Protection: IP51</li> <li>7) Safety rating:600V Cat-IV/ 1000V Cat-III for both meter and Clamp</li> <li>8) Display resolution: 320X240 pixels or better with user adjustable contrast and brightness</li> <li>9) Built in Real time clock to facilitate time stamped trending and events.</li> <li>10) Operating temp.0 degree cent to + 40 degree cent. with adapter.</li> </ol> <p>Measurement: The analyzer should measure:</p> <ol style="list-style-type: none"> <li>1) Three phase and phase wise voltage, current, power, power factor, cos phi.</li> <li>2) Energy and demand</li> <li>3) Dips, Swells, interruptions, crest factor, cos phi</li> <li>4) Transient detection upto 6 kV, 200K Hz on all phases simultaneously</li> <li>5) Inrush current, Flicker</li> <li>6) Phase diagram and waveforms</li> <li>7) Frequency</li> <li>8) Harmonics for voltage, current and power upto 51st order</li> <li>9) Seven power quality parameter in one screen according to EN 50160</li> <li>10)Minimum, maximum and average value for all RMS measurements.</li> </ol> <p>Other Features: Following other features should be facilitated in the analyzer:</p> <ol style="list-style-type: none"> <li>1) Graphical screen with display of measurement, waveform, trends and harmonic spectrum.</li> <li>2) The instrument should comply to class A standard as per IEC 61000-4-30</li> <li>3) The instrument should have the capability for GPS time synchronization for</li> </ol>	1	NO

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	<p>correct time stamp if required.</p> <p>4) The instrument should comply the latest IEC standard for flicker, Harmonics and power quality.</p> <p>5) Mains signal recording.</p> <p>6) Minimum of 500 samples per cycle</p> <p>7) Analysis of trend in the meter display itself with curser and zoom function.</p> <p>8) Rechargeable battery with at least 7 hours of uninterrupted operation on battery</p> <p>9) Minimum memory of 16 MB to store the data upto 400 parameters, event and waveform.</p> <p>10) Minimum of 50 screen shots to be stored in the memory.</p> <p>11) 4 current probes to measure all the three phases and also neutral current.</p> <p>12) All the measurement should be recorded for trending automatically without any set up.</p> <p>13) Communication part to connect to the PC to download and analyze measurement, waveform, trends and events.</p> <p>14) Software for data downloading and analysis</p> <p>15) The instrument should be compatible for minimum 5A clamp and maximum 3000A flexi clamp. \</p> <p>16) The instrument should have the programming capability for CT/PT ratio upto 10000/1</p> <p>MAKE: MEGGER/ AVO/ FLUKE or equivalent to Megger make model No. PA9PLUS</p>		

**Standard Notes:** 1. Bidder should submit detailed catalogue along with the quotation for technical scrutiny.

2. Material should be guaranteed for a period of 3 years from the date of commissioning and acceptance. Bidder must confirm the same while quoting.

3. Bidder should provide Calibration/Test certificates for the analyzer.

4. Packing should be adequate to avoid any transit damage.

5. Bidder should provide all required accessories with the equipment.

6. Bidder must quote any other accessories required for smooth running of the analyzer. However, procurement of the same will be at OIL's discretion

7. In the event of order, successful bidder should provide operation procedure/training at the time of delivery at our works at Narangi, Guwahati Assam.

Training charges, if any, shall be quoted separately which will be considered for bid evaluation.

Bidder must confirm the same while quoting.

**Special Notes :** 1. Bidders other than OEM, must submit valid authorized dealership/authorization certificate

from OEM along with their offer, failing which offer will be liable for rejection.

2. To evaluate the inter-se ranking of the offers, Assam Entry Tax on purchase value will be loaded as per prevailing government of Assam Guidelines as applicable on bid closing date. Bidders may check this With the appropriate authority, while submitting their bids.

3. Bidder should quote transportation charges on actual separately if not included in basic price. Transportation charges have to be quoted for transportation by mode as below:-

i) For consignments weighing around 50 Kgs, Actual transportation charge to be quoted for transportation by courier service (Air/Road).

ii) For consignment weighing more than the weight mentioned in Sl.No.(i), actual transportation cost shall be quoted for transportation by Road transport.

4. Any sum of money due and payable to the contractor (including Security Deposit refundable to them under this or any other contract may be appropriated by Oil India Limited and set off against any claim of Oil India Limited (or such other person or persons contracting through Oil India Limited) for payment of a sum of money arising out of this contract or under any other contract made by the contractor with Oil India Limited (or such other person or persons contracting through Oil India Limited).

5. Please confirm acceptance of NIT payment terms .

6. Terms and conditions applicable to this tender is enclosed vide Annexure II to VI.

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**Tender issued to following parties only:**

Slno	V_Code	Vendor Name	City/Country
1	201151	TOSHNIWAL ENTERPRISES	KOLKATA
2	202226	PCI LTD	DELHI
3	203021	SPM INSTRUMENT INDIA PVT. LTD.	KOLKATA
4	204114	JOST'S ENGINEERING CO. LTD.	KOLKATA
5	205128	TTL TECHNOLOGIES PVT. LTD.	KOLKATA
6	208240	MEGGER INDIA	MUMBAI