

**ANDREW YULE AND COMPANY LIMITED
(A Government of India Enterprise)
ELECTRICAL DIVISION.
5/346, OLD MAHABALIPURAM ROAD, PERUNGUDI,
CHENNAI: 600 096.**

TELEPHONE: 24960595 (5 LINES)
E-mail:kcprasad@andrewyule.com
FAX: 91-044-24960903

TENDER NO. T-13/14-15

**RATE CONTRACT FOR OUTSOURCING OF THE FOLLOWING
TESTING**

- (A) TAN DELTA AND CAPACITANCE TEST AT 10 KV
(B) SWEEP FREQUENCY RESPONSE ANALYSIS- SFRA**

**Last Date of submission of Tender : 24.12.2014 up to 10.45 A.M.
OFFER WILL BE OPENED ON : 24.12.2014 at 11.00 A.M.**

Cost of Tender documents: 200/-

(RUPEES TWO HUNDRED ONLY)

**EMD : RS.8000/-
(RUPEES EIGHT THOUSAND ONLY)**

Bidders are requested to present during the tender opening.

GENERAL INSTRUCTION FOR GUIDANCE OF APPLICANTS

The offer should be submitted as follows:

SUBMISSION OF OFFER

Tender should be submitted in **TWO Separate Parts in three separate sealed envelopes** as given hereunder:

Part 1. TECHNO COMMERCIAL BID in a SEPARATE SEALED COVER super scribing "RATE CONTRACT FOR TAN DELTA & SFRA TESTING ON POWER TRANSFORMERS" DUE ON 24.12.2014 (TECHNO COMMERCIAL BID)".

Part 2. PRICE BID in a SEPARATE SEALED COVER Super scribing "RATE CONTRACT FOR TAN DELTA & SFRA TESTING ON POWER TRANSFORMERS " DUE ON 24.12.2014 2012 (PRICE BID)".

NOTE : PLEASE FILL UP THE BIDS AS PER OUR FORMAT (BOTH TECHNO-COMMERCIAL BID AND PRICE BID).

Both the Techno Commercial Bid and Price Bids should be put in one cover Superscribing " RATE CONTRACT FOR TAN DELTA & SFRA TESTING ON POWER TRANSFORMERS ", DUE ON 24.12.2014 (TECHNO COMMERCIAL BID AND PRICE BID)".

Offers sent thro' E-mail, fax and envelopes without superscribing the tender reference and due date on the envelope will not considered.

TECHNO COMMERCIAL BID / QUALIFICATION

SEALED TENDERS ARE INVITED FOR OUTSOURCING OF TESTING

- (a) TAN DELTA AND CAPACITANCE TEST AT 10 -KV
- (b) SWEEP FREQUENCY RESPONSE ANALYSIS- SFRA

The tests are to be carried at our Chennai works as given below.

**ANDREW YULE AND COMPANY LIMITED
(A Government of India Enterprise)
ELECTRICAL DIVN./TRANSFORMER & SWITCHGEAR UNIT
5/346, OLD MAHABALIPURAM ROAD, PERUNGUDI,
CHENNAI: 600 096.**

1. VALDITY OF OFFER

The rate quoted should be valid for testing up to 30.01.2016 with a provision to extend it by one more year based on mutual agreement. This should be confirmed by you in the Techno-Commercial Bid.

2. **EMD:** Rs.8,000/- (Rupees Eight Thousand only) by way of Cash Receipt/ Demand Draft drawn in favour of M/S ANDREW YULE & CO.LTD Payable at CHENNAI from any Nationalized / Scheduled / Multinational Bank for the following value

Bidders who are MSMED units may apply for exemption from furnishing EMD in lieu of EMD by making a specific request in writing and enclosing the necessary Document in support of the same. If non-submission of EMD, the tender will be Summarily rejected.

Price Bid of tenders who have not submitted EMD will not be opened. EMD amount of the unsuccessful bidder will be released after the finalization of the contract.

3. Bidders who have down loaded this tender document from our web site should enclose a DD for Rs: 200 /= in favour of ANDREW YULE & CO.LTD, Payable at Chennai towards cost of tender document

Techno-commercial bid will be opened on 24.12.14 at 11.00 A.M

**** OFFERS RECEIVED WITHOUT ANY OF THE ABOVE WILL BE REJECTED.**

4. SECURITY DEPOSIT :

The EMD amount of the successful bidder will be retained as Security Deposit towards the execution of the order and the same will be released after completion of the order.

5. Payment Terms :

100% Payment in 90 days from the date of completion of test.

6. **VALIDITY PERIOD OF THE OFFER.** Your offer should be valid for acceptance for a minimum period of 60 days from the date of tender opening.

7. LEGAL CONDITION:

It is recorded that this purchase order / contract / agreement is executed and concluded by and between the parties hereto at premises No.5/346, Old Mahabalipuram Road, Perungudi, Chennai 600 096 and in the event any dispute arises out of this agreement between the parties only the appropriate Civil Court in the City of Kolkata shall have the exclusive jurisdiction to entertain, try and determine the said proceedings in exclusion of all other courts.

8. LIQUIDATED DAMAGE:

If the delivery is delayed beyond the date of scheduled date of despatch in the purchase order, penalty will be levied @ 1/2% per week subject to a maximum of 5%

9. Andrew Yule reserve the right to increase the quantity by 25% **-PI confirm your acceptance.**

10) RISK PURCHASE CLAUSE:

The company reserves the right to impose risk purchase clause as "For delay in execution / supply we shall have every right to procure the same through Some other agency/s which shall deemed fit and the additional cost of the same (Incidental/Consequential) shall be to your account which with respect to our intimation or observation whatsoever.

11) The service provider shall ensure proper safety of all the workmen and equipment belonging to them at the site. In case any accident occurs during the testing or other associated activities undertaken by the service provider, thereby causing any minor or major or fatal injury to its employees due to any reason whatsoever, it shall be the responsibility of the contractor to compensate as per the relevant act.

TECHNO-COMMERCIAL TERMS & CONDITIONS

TESTING REQUIREMENTS FOR CARRYING OUT THE TEST

**Rating of the test object:- 6.6 kV to 132 kV class, up to 50 MVA
Power Transformers**

Test Qty required:- Approx.24 jobs

Validity :- up to January'16 with a provision to extend it by one more year based on mutual agreement.

Conditions :-

a)The date for testing will be intimated within 3 – 7 days notice. The Bidder Should agree to provide the service at Chennai works. This is the pre condition to open the price bid.

b) Well trained person (s) to be deputed to be responsible for safe handling of the test equipment, to carry out the testing and to clarify technical queries, if any at the time of testing.

c) All the necessary test equipment shall be brought to our works by your own transportation. Necessary trolleys / man power will be provided for shifting the test equipment inside our works.

d) All the test equipments used shall have valid calibration traceable to NPL and test report shall be given on completion of the testing.

e) If the test equipment are not available with the L1 bidder on the day of our testing. We reserve the right to engage next higher bidder then L1 bidder who agrees to match the L1 price.

A) MEASUREMENT OF CAPACITANCE & TAN DELTA

Equipment to be used :- Schering bridge with 0 – 10 kV variable power supply.

Make of the meter :- Megger / Eltel / Doble / Sivananda

Terminals to be tested :- Condenser bushings – 3 nos, LV-G, HV-G, HV-LV & additional terminals/mode

Number of testing :- Two times – once before dielectric tests and repeat tests after dielectric tests, on the same day (or) next day (if the dielectric tests could not be completed on the same day)

b) SWEEP FREQUENCY RESPONSE ANALYSIS - SFRA

Equipment to be used :- SFRA kit with 20 to 20 Mega hertz

Make of the meter :- Megger / Eltel / Doble / Sivananda

Terminals to be tested : - Supply to
each phases of HV with LV shorted
each phases of HV with LV open
each phases of LV with HV kept open.

These shall be repeated at minimum, normal and maximum taps. Records with additional terminals / mode may be done if insist by the customer. The test report (hard or soft) along with waveforms shall be given immediately after completion of the test.

TECHNO-COMMERCIAL BID

1. **Agreement for the terms and Conditions specified in for testing At Andrew Yule & co. ltd. Chennai works.** : **Agreed / If not agreed, details**

2. **EMD RS.8000/-** :

3. **TENDER DOCUMENTS FEES RS: 200/-** : **DD/ CASH RECEIPT**
4. **CAPACITANCE AND TAN DELTA**
 - A. **Make of the test equipment** :
 - B. **Range of the test equipment** :

5. **SWEEP FREQUENCY RESPONSE ANALYSIS - SFRA**
 - A. **Make of the test equipment** :
 - B. **Range of the test equipment** :

6. **VALIDITY PERIOD OF THE OFFER.** Our offer should be valid for acceptance for a minimum period of 60 days from the date of tender opening.

7. The rate quoted should be valid for testing up to 30.01.2016 with a Provision to extend it by one more year based on mutual agreement.

DATE:

SIGNATURE :
DESIGNATION & COMPANY SEAL

PRICE BID

CAPACITANCE AND TAN DELTA

- A. Test charge including
Transportation to carry out
Test at Andrew Yule & co. ltd.
Chennai works. (per job) :

- B. Additional test charge to
Carry out on the some day
At Andrew Yule & co. ltd.
Chennai works (per extra job) :

SWEEP FREQUENCY RESPONSE ANALYSIS - SFRA

- A. Test charge including
Transportation to carry out
Test at Andrew Yule & co. ltd.
Chennai works (per job) :

- B. Additional test charge to
Carry out on the same day
At Andrew Yule & co. ltd.
Chennai works (per extra job) :

DATE:

**SIGNATURE :
DESIGNATION & COMPANY SEAL**