



**TENDER SPECIFICATION No: 12/2018-19 of SUPERINTENDING ENGINEER (CTI & ENQUIRIES), Dt. 08 .01.2019**

Specification for Supply of Standard Calibration Gas Mixture in the ranges of 5PPM and 100PPM filled in 10 Litre water capacity cylinders on rental basis for transformer oil testing Lab at Corporate Training Institute, GTS Colony, Hyderabad-500045.

Sd/-

Superintending Engineer (CTI & Enquiries)

**TRANSMISSION CORPORATION OF TELANGANA LIMITED**

***SUMMARY SHEET***

**TENDER SPECIFICATION No: 12/2018-19 OF SUPERINTENDING  
ENGINEER (CTI & ENQUIRIES), Dt.08.01.2019**

|           |   |   |
|-----------|---|---|
| <b>1.</b> | <b>Name of the work</b>                                 | Supply of Standard Calibration Gas Mixture in the ranges of 5 PPM and 100 PPM filled in 10 Litre water capacity cylinders on rental basis for transformer oil testing lab at CTI. |
| <b>2.</b> | <b>Officer to whom the Tenders shall be submitted</b>   | Superintending Engineer (CTI & Enquiries)/ TSTRANSCO, Corporate Training Institute, GTS Colony, Hyderabad-500045  |
| <b>3.</b> | <b>Superscription on the Tender Cover</b>               | i) Specification No.<br>ii) Name of Work<br>iii) Tender Opening date and time<br>iv) Validity.  |
| <b>4.</b> | <b>Last date and time for receipt of sealed tenders</b> | <b>Up to 15.00 Hrs on 12.02.2019</b>  |
| <b>5.</b> | <b>Date &amp; Time of opening of sealed tenders</b>     | <b>At 15.30 Hrs on 12.02.2019</b><br>If the above date is declared as holiday the receipt and opening of quotations will be done on the next working day                          |
| <b>6.</b> | <b>Place of opening</b>                                 | O/o Superintending Engineer (CTI & Enquiries)/TSTRANSCO, GTS Colony, Hyderabad-500045   |

**SIGNATURE OF THE TENDERER :**

**NAME :**  
**(IN BLOCK LETTERS)**  
**SEAL :**  
**DATE :**

Sd/-

Superintending Engineer (CTI & Enquiries)

**TRANSMISSION CORPORATION OF TELANGANA LIMITED****TENDER SPECIFICATION No: 12 /2018-19 of SUPERINTENDING ENGINEER (CTI & ENQUIRIES), Dt. 08.01.2019****TERMS AND CONDITIONS**

1. **Scope of Work:** This specification covers the supply of standard calibration gas mixture of 5PPM & 100PPM in 10 litre water capacity cylinder on rental basis and to deliver the cylinders at R&D lab, CTI, TSTRANSCO, Erragadda, Hyderabad as detailed in the schedule attached to the specification.
2. **Schedule of Material:** - Schedule of material and technical particulars of gas mixture are detailed in Annexure –I & Annexure – II of the tender specification. Tenderer should sign on all the important documents including price schedule. Tenders without signature on tender documents will be rejected.
3. **Filling up of Schedules:** All the schedules should be duly filled. Unless full details required in the schedules are furnished, tender offers will not be considered.
4. **Validity of Quotations:-** Tender should be kept valid and open for acceptance for a period of 90 days counted from the date of opening of the Tenders. The period of validity cannot be counted from any due date other than the date of opening of Tenders.
5. **Prices:** - Prices shall be on firm basis and the quotations should be FADS price and other legally permissible duties and levies wherever applicable, handling charges etc.  
It is the responsibility of Tenderer to inform himself of the correct rates of duties and taxes applicable on the materials at the time of tendering.
6. **Acceptance:** - It is not binding on the TSTRANSCO to accept the lowest or any tender. The TSTRANSCO also reserves the right not to intimate any reasons for acceptance or rejection of any particular quotation.
7. **Payment Terms:** - 100% payment will be made within 45 days on receipt of materials and upon receipt of your bills in triplicate along with the advance stamped receipt duly supported by the duplicate copy of delivery challan duly acknowledged by the Divisional Engineer (T&D) or his authorized representative, in token of having received the materials in good condition. The date of delivery will be the date on which the consignee or his authorized representative acknowledges the receipt of materials and certifies the receipt of goods in good condition.

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**8. Statutory variation:**

Any variation up or down in statutory levies or new levies introduced at the time of delivery will be to the account of TSTRANSCO.

- 9. Delivery of materials:** - The supply of material should be completed within 30 days from the date of receipt of purchase order.
- 10. Penalty:** -The Delivery period mentioned above will be deemed to be the essence of the order. In case of delay in delivery of materials beyond the delivery date stipulated in purchase order, TSTRANSCO at its option demand and recover from the supplier, an amount equivalent to Half percent (1/2%) of the value of undelivered goods for every week of delay or part thereof, subject to a maximum of 5% of the total value of the order.
- 11. Dispatch:** - The material mentioned at Sl.No.2 shall be delivered at R&D Lab, CTI, TSTRANSCO, GTS colony, Hyderabad consigned to Assistant Divisional Engineer (R&D), Corporate Training Institute Hyderabad-45.
- 12. Loss Or Damage:** Damaged materials or shortages that are prima-facie, the results of rough handling in transit or due to defective manufacture or defective packing will be intimated to you within 15(fifteen) days of receipt of materials and all the damaged materials and shortages shall be replaced or made good by you at your own cost.
- 13. Jurisdiction:** All or any disputes or differences arising out of or touching this order shall be decided only by courts or tribunals situated in Hyderabad and Secunderabad cities only. No suit or other legal proceedings shall be instituted elsewhere.
- 14. General:** All taxes at source will be recovered from the bill amount, PAN, GST and CST Nos shall invariably be furnished in tender

Signature of the tenderer  
With office seal

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## ANNEXURE – I

**Schedule of material**

| Sl.No. | Description of Goods  | Unit                                    | Qty<br>(Nos) | Rate /<br>Unit | GST | Amount in<br>Rs. |
|--------|---|---|--------------|----------------|-----|------------------|
| 1      | Supply of 5 PPM Calibration Gas Mixture for Dissolved Gas Analysis as per specification given in the enclosed Annexure – II (Item No. 1)<br>HSN CODE: 28042990.   | 10 lit<br>water<br>capacity<br>cylinder | 01           |                |     |                  |
| 2      | Supply of 100 PPM Calibration Gas Mixture for Dissolved Gas Analysis as per specification given in the enclosed Annexure – II (Item No. 2)<br>HSN CODE: 28042990. | 10 lit<br>water<br>capacity<br>cylinder | 01           |                |     |                  |
| 3      | Fright Charges ( i.e. to & fro transportation charges for cylinders)  |   | 02           |                |     |                  |

Note: 1) Please quote all the applicable taxes and duties.

2) The bidder should note all the items and evaluation of the bid will be based on overall prices.

3) There is no rental charges for above cylinders up to one year.

Signature of the tenderer  
With office seal

Sd/-

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## ANNEXURE – II

**Technical Specification 5PPM Calibration Gas Mixture (item No. 1)**

| Description              | Preparation Tolerance | Certification Accuracy |
|--------------------------|-----------------------|------------------------|
| Hydrogen - 5 ppm         | +/- 20%               | +/- 2 % (max)          |
| Methane - 5ppm           |                       |                        |
| Ethylene - 5 ppm         |                       |                        |
| Ethane - 5 ppm           |                       |                        |
| Acetylene - 5 ppm        |                       |                        |
| Carbon Monoxide - 50 ppm |                       |                        |
| Carbon Dioxide - 100 ppm |                       |                        |
| Oxygen - 500 ppm         |                       |                        |
| Nitrogen -2000 ppm       |                       |                        |
| Argon - Balance          |                       |                        |

**Technical Specification for 100 PPM Calibration Gas Mixture (item No: 2)**

| Description               | Preparation Tolerance | Certification Accuracy                   |
|---------------------------|-----------------------|--|
| Hydrogen - 100 ppm        | +/- 20%               | +/- 5 % (For Hydrogen, Acetylene)        |
| Methane - 100 ppm         |                       |  |
| Ethylene - 100 ppm        |                       |  |
| Ethane - 100 ppm          |                       | +/- 3 % (For Methane, Ethylene, Ethane ) |
| Acetylene - 100 ppm       |                       |  |
| Carbon Monoxide - 500 ppm |                       | +/- 2 % (For CO, CO2)                    |
| Carbon Dioxide - 1000 ppm |                       |  |
| Oxygen - 10000 ppm        |                       | +/- 1 % (For O2)                         |
| Nitrogen -35000 ppm       |                       |  |
| Argon - Balance           |                       |  |

- 1 Gas mixture must be supplied in the 10 Litre water capacity cylinder and the filling pressure is 130 kg/sq.cm.
- 2 The calibration Gas Mixture must be supplied with following certificates.
  - a) Calibration Certificate valid for one year and certificate must be traceable to National/ International Standards.
  - b) Explosive certificate issued by Chief Controller of Explosive.
  - c) Cylinder manufacture's test & inspection certificates.

Signature of the tenderer  
With office seal

Sd/-

Superintending Engineer (CTI & Enquiries)