

**CORRIGENDUM -01**

28<sup>th</sup> August 2023

**E- TENDER EXTENSION NOTICE - 01**

**Sub: Supply, Installation, Testing & Commissioning of Carbon / Sulfur Analyzer.**

**Ref: CMTI/PUR/0403/2023-24/BS/MMG**

With reference to the above E-Tender, The following changes are being made to the tender document titled “Supply, Installation, Testing & Commissioning of Carbon / Sulfur Analyzer”, Tender No. CMTI/PUR/0403/2023-24/BS/MMG. The price bid may be read in conjunction with the corrigendum and may please be quoted accordingly. Kindly go through the same before submission of the bid.

The due date for submitting the bid has been **extended upto 14.09.2023 by 12.00PM**

| S. No. | Tender document Ref.                    | Existing  | To be read as   |
|--------|---|---|---|
| 1.     | Pg.37,<br>2.g. Automatic sample loading | No. of samples loading feasibility  | Sample loading positions to support for minimum 30 no. of samples   |
| 2.     | Pg.37,<br>3. a. NDIR Detector           | Non-dispersive IR absorption using NDIR cells supporting individual wide range detection to be provided for analyzing for Carbon and Sulfur calibration as well as analysis for both higher ranges and lower ranges | Non-dispersive IR absorption using NDIR cells supporting individual wide range detection to be provided for calibration and analysis of Carbon and Sulfur for both higher and lower ranges. The no. of detectors supplied with respect each element and range to be specified and vendor to provide a certificate from OEM specifying the above information |

|    |                                       |  |   |
|----|---------------------------------------|--|---|
| 3. | Pg.37,<br>3.<br>d.Measuring<br>Range  | Carbon - 0.6 ppm up to<br>≥ 7 %<br>Sulfur - 0.6 ppm up to ≥<br>6 %   | Carbon - 0.6 ppm to ≥ 6 %<br>@ 1 gram of sample<br>Sulfur - 0.6 ppm to ≥ 1 % @<br>1 gram of sample<br>Vendor to provide a<br>certificate from OEM<br>specifying all of the above<br>information   |
| 4. | Pg.38,<br>5.c. Balance<br>calibration | The calibration<br>certificate for the<br>balance and weights to<br>be provided with<br>metrological<br>traceability to any<br>national / international<br>NMI | The calibration certificates<br>for the balance and<br>weights should have direct<br>traceability to NMIs like<br>NIST-USA, NPL-UK, PTB-<br>Germany, NPL-India etc.<br>to be provided   |
| 5. | Pg.41,<br>10. d.                      | Certified Reference<br>Materials from ISO 17034<br>accredited agencies or<br>organizations to be<br>provided   | Certified Reference<br>Materials from ISO 17034<br>accredited agencies or<br>organizations with<br>certificates having direct<br>traceability to NMIs like<br>NIST-USA, NPL-UK, PTB-<br>Germany, NPL-India etc.<br>to be provided   |
| 6. | Pg.43,<br>14. b.                      | Pre-dispatch<br>acceptance test and<br>application training at<br>OEM for 2 personnel for<br>5 working days  | <b>Pre-dispatch Equipment<br/>Audit:</b> Manufacturer shall<br>arrange for free pre-<br>dispatch equipment audit<br>for two CMTI personnel on<br>hardware & software,<br>operation, maintenance,<br>application and safety at<br>manufacturer place for a<br>period of one week. All<br>the travel expenses<br>including to and fro<br>Airfare, lodging, local<br>travel is to be borne by the<br>supplier. |
| 7. | Pg. 43,<br>14.e.                      | Vendor to provide<br>training for 1 week for 4<br>persons on<br>programming,<br>operation and basic<br>maintenance at CMTI                                     | Following pre-dispatch<br>equipment audit,<br>comprehensive training to<br>ensure the equipment<br>specifications, smooth<br>daily operation and<br>maintenance shall be<br>provided free of cost by<br>the supplier<br><br>• <b>Basic Training:</b> For a<br>batch of CMTI personnel   |

|               |                                |   |   |
|---------------|--------------------------------|---|---|
|               |                                |   | for 5 business days at CMTI immediately after installation<br><ul style="list-style-type: none"> <li><b>Advanced Training:</b> For a batch of CMTI personnel for 5 business days at CMTI after 3 months from installation</li> </ul>  |
| 8.            | Pg. 44, 15.A.                  | Table with 2 suitable chairs for analyzer and computer  | Table with 2 suitable chairs for analyzer and computer (Godrej make)  |
| 9.            | Pg. 44, 15.B.                  | Cupboard with locking provision   | Godrej make Cupboard with locking provision   |
| 10.           | Pg. 47, 17.p.                  | Certified Reference Materials with NIST or equivalent International NMI traceable certificates for Carbon and Sulfur (low, medium & high) analysis ranges as per the standard methods mentioned above | Demonstration of the applicability of above mentioned standard methods with Certified Reference Materials provided by ISO 17034 accredited agencies or organizations with certificates having direct traceability to NMIs like NIST-USA, NPL-UK, PTB-Germany, NPL-India etc. to be carried out. |
| <b>S. No.</b> | <b>Tender document Ref.</b>    | <b>Existing</b>   | <b>Additional specification</b>   |
| 1.            | Pg. 36, 1. System Capabilities | -   | h. System to support Gas dose calibration for carbon analysis and necessary accessories for proving the same including gas cylinders and suitable regulators to be provided   |

**Note: The bidders who are already submitted their bids, they are requested to resubmit their bids as per revised technical specifications mentioned in the corrigendum. Technical evaluation will be made based on the revised technical specifications only.**

For Central Manufacturing Technology Institute

Sd/-  
**GH-Purchase & Stores**