

LAST DATE FOR SUBMISSION OF TENDER EXTENDED UPTO 3.00 P.M. ON 4-3-2019 – TENDER OPENING 4.00PM

Tender No: Tender No.CIE/SMSH/007/2019

Name of the Item: Air Quality Analyzer

Minutes of the pre-Bid meeting held on 11-2-2019 for the above subject is appended below

Sl.No	Tender Page No	Clause	Vendor Query	IITM Clarifications
1	General	No of equipments	Request for including number of equipments	One set
2	P2	Terms of delivery	kindly confirm the Delivery location (IIT Chennai or JNPT Mumbai)with detailed address	The supply includes packing, transportation, insurance, custom clearance, port clearance and handling, inland transportation, inland transit insurance and delivery to Jawaharlal Nehru Port Turst (JNPT), IITMadrass-Environmental Laboratory, JNPT, Building No A85, Room No 5 & 6, Sector, JNPT Township, Uran, Navi Mumbai, Pin-400 707
3	P2	Prices	Submission of quote Please clarify on the BOQ, whether item-wise prices are required only for main Analysers	Quotation can be submitted in any currency. Foreign currency value will be considered equivalent INR on the day of opening the price bid. Include item wise cost for all major items listed in the tender document
4		Payment	Request 90% Payment against dispatch documents through bank. Import items we request 100% against LC.	Payment terms is 90% against shipping documents (thru bank) and balance 10% after installation only.
5		Analyzers cost	Item wise cost required?	Yes. Submit item wise cost for all major items listed in the tender document
6	P17	General Terms and Conditions	we request kindly confirm the LD 0.25% minimum and maximum 5% of the value of purchase order	Penalty clause may be accepted as per committee's decision as 0.5% to 5% per of the value of Purchase Order
7	P4	Delivery Schedule	We request the delivery period 16 weeks form the opening of the letter of credit or form the date of issue of purchase order, whichever is later.	Committee agreed for 16 weeks from the opening of the letter of credit or form the date of issue of purchase order, whichever is later
8	P17	Reference: Performance certificates	Kindly note that we will provided the details of the Organization, Contact person and other details etc.,	In absence of performance certificate, provide latest PO issued from the central (CPCB) or state pollution control boards (SPCBs) and installation certificate and contact person details.

9	P4	Warranty/Guarantee	<p>a . kindly note our standard warranty is 1 year from the date of commissioning of the equipment. ,If required we can offer AMC ,CAMC or O&M, no of visits kindly clarify.</p> <p>b.Please note Tender documents says warranty should be for four years from the date of commissioning of the equipment</p> <p>we request please confirm the warranty and AMC duration</p>	<p>Warranty requirement: The cost should include for two options: (i) 3 year warranty period from the date of complete installation and commissioning of the system and (ii) 2 years warranty with additional quote for one year extended warranty.</p> <p>Warranty should cover periodic servicing of the equipment</p>
10	P8, P9, P10, P11, P12, P13, P14	Technical Specification	<p>Supply of Single NH3 analyzer or Dual NOx and NH3 analyzer?</p> <p>Minimum detection limit 0.02 ppm is acceptable</p> <p>Please note that USEPA do not have any certification programme for NH₃& BTEX Analyser being a non-criteria pollutant.</p> <p>Requirement of portable compressed air source.</p> <p>Instrument for the use of stationary or mobile application</p> <p>Please advise the communication medium between Local Station and Central Station</p> <p>The specification requires 3 analogue output ranges for the voltage on each gas analyser, please confirm the application of the same</p> <p>Please confirm the acceptance of 2</p>	<p>NOx analyzers with NH3 convertor (NH3) and parameter measured by the analyzers are NO, NO2, NOx and NH3.</p> <p>As per the technical specification or lesser detection limit is preferable.</p> <p>Analyzer should meet the requirement of Federal Equivalent Method (FEM)/ Federal Reference Method (FRM)</p> <p>Yes</p> <p>Analyzers should support both the requirements</p> <p>No changes to tender specification</p> <p>No changes to tender specification</p> <p>No changes to tender specification</p>

			analogue output ranges for PM dust monitor i.e. (4–20 mA & 0–16 mA) for the current, please confirm	
			Kindly confirm if earth pits, Metmast for Metrological Sensors with associated with materials shall be in the scope of IITM or bidder	Not in the scope of the tender
			Please advise for the availability of electricity as well as Broad Band Internet Connection at an Air-conditioned room/ Pre-Fabricated Shelter at Jawarharlal Nehru Port Trust (JNPT), Navi Mumbai for CAAQMS installation along with data connectivity.	Electricity as well as Broad Band Internet Connection facilities are available at JNPT site

11	General	General Information	As per USEPA, the temperature limit for Analysers under operation @ 24 deg C. Kindly clarify on this point.	Yes, EPA/CPCB recommended operating temperature is accepted.
			Internal calibration of the air quality analyzers	Committee decided to retain the original specification
			Display whether LCD with touch screen on mouse screen	Mouse screen preferred
			Temperature and humidity corrections for the analyzers	As per USEPA/CPCB norms/guidelines
			Do we need to supply shelter	No
			Whether UPS to be supplied?	No
			Installation of racks falls under the scope of the tender	Details of racks and cost for three racks should be included in the quote
			Please provide floor location for installation of analyzers	Second Floor
			Are there any drawing for which analyzers has to be installed	As per CPCB-CAAQMS norms/guidelines
			PC need to be supplied?	No
			Please confirm regarding requirement of UPS along with detailed specifications and preferred make and backup period	Not Applicable
			Please advice regarding the availability of Air-conditioned room/ Pre-Fabricated shelter at Jawarharlal Nehru Port Trust (JNPT), Navi Mumbai for CAAQMS Installation.	Analyzers will be installed in AC room
			Tender Document specifies, calibration cylinder for Zero. Confirm if N ₂ Cylinder is required, since, tender specification also states for Zero Air Generator.	Required Zero Generator for dilation of span gas to have multipoint calibration. Zero gas as N ₂ cylinder for calibrating CO analyzers
As per CPCB/ MoEF, Real Time Monitoring & Analysis Guidelines 2011 volume-II, Span Gas calibration can be performed by either of span Gas cylinder or permeation tubes.	Required zero gas generator and span gas cylinders, traceable to certified standard or equivalent National Institute of Standards and Technology (NIST) For other details as per CPCB-CAAQMS norms/guidelines			

			<p>Request for your review & advice for selection of either of them to offer. However, we confirm to provide the AAQMS Analyser with permeation tube/ Calibration Gas Cylinder for Span Calibration. Also note, permeation Tube handling/ storing is a Tedious task and it can only provide span single point.</p> <p>calibration not multi point calibration. Hence, we recommend for Calibration Gas Cylinder as its locally available.</p> <p>Please ensure that multi gas calibrator shall be Gas Analyzer manufactured to have better quality of functional output.</p> <p>Please ensure that Zero Air Generator to be supplied under Sample handling system shall be of 19" Rack mounted and shall be of AnalyserManufacturer make with inbuilt CO reactor and Scrubber to have better quality of functional output.</p>	
--	--	--	--	--