

BRIHANMUMBAI MUNICIPAL CORPORATION
AIR QUALITY MONITORING & RESEARCH LABORATORY

SUB. :- DSIT & C of 05 Nos. Of Continuous Ambient Air Quality Monitoring System (CAAQMS) at different location in BMC jurisdiction including all allied works with five years Comprehensive Operation & Maintenance (O & M) contract after completion of three years warranty.

REF.:- E-Tender No. 2025_MCGM_1243216_1 due date 29.12.2025.

Pre- Bid Meeting for the above subject was held under the chairmanship of Hon. Dy. Municipal Commissioner (Env & C.C.) on 16.12.2025 at 17.00 P.M.

In this meeting, representative of following firms were present.

Sr. No.	Name of the Bidders
1	Swan Technical Services Pvt. Ltd.,
2	Envea India Pvt. Ltd.
3	Thermo fisher Scientific India Pvt. Ltd.
4	Analyser Instruments Co. Pvt. Ltd.
5	Engineering & Environmental Solutions Pvt. Ltd.

The point discussed in the meeting and raised by bidders orally are as follows :-

Sr. No.	Tender Clause/ Page No.	Existing Specification	Point raised by Vendors	Department Remarks
Swan Technical Services Pvt. Ltd.,				
1	Section 07, Pg. No. 41 Scope of Work Subclause: Details of the project Structure.	Scope of Works : The successful Bidder would bear the initial installation cost for these facilities and after commissioning the monthly/ recurring cost pertaining to their usage (electricity bill) would be borne by the BMC.	As per the NIT, Electrical supply and monthly electricity bills are BMC scope, so kindly confirm and clarify the scope of Electricity connection at installed location.	Tender Condition Prevails. Electrical connection at the time of installation and other required accessories are in the scope of vendor.
2	Section 09, Pg. No. 75 General condition of the contract Subclause: 65 - Payments	Payment terms : iii) BOQ part A of DSITC of CAAQMS : 70% payment will be made against supply, installation & testing. Balance 30% payments will be released after successful commissioning of the	Kindly consider BOQ Part A DSITC of CAAQMS : 70% payment will be made against supply, installation and testing. Balance 30% payments will be released after successful commissioning of the	Tender Condition Prevails. Payment terms are as per Tender document.

		complete work. Within 30 days from submission of bill. iv) BOQ Part B Comprehensive Operation & Maintenance Contract (O&M) of CAAQMS : After completion of warranty period (03 years) comprehensive Operation & Maintenance Contract (O&M) payment will be made on yearly basis; (within 30 days from submission of bill) for a period of five years.	complete work. Within 30% days from submission of bill (or) 45 days from the date of supply, because sometimes site is not ready for the installation and we need to wait for the long time for the installation and commissioning of equipment's, so, kindly consider balance payment will be released with in 45 days from the date of supply or installation and commissioning i.e. which ever is earlier.	
3	Section 10, Pg. No. , 89,99&111 Scope of Services & Details of Project Strucure	Minimum Requirements for a CAAQMS station :	As per the technical specification, THC analyzer specifications are mentioned, Where as in the list of items (Page no 89) THC analyzer item is not mentioned, So kindly confirm the supply and requirement of THC analyzer.	Refer, Corrigendum No. II Pg. no. C- 151 Sr. no. - 01.

ENVEA India Pvt. Ltd.

1	Section 06 Pg. No. 34/35 Instruction to Applicants Subclause: Security deposit and performance guarantee,	The successful tenderer, here after referred to as the contractor shall pay an amount in the form of BANK GUARANTEE equal to five(5) percent of the contract sum shall be paid within thirty days (30 days) from the date of issue of letter of acceptance.	We request MCGM to specify the validity period of security deposit..	Refer, Corrigendum No. II Pg. no. C- 152 Sr. no. - 02.
2	Section 07 Pg no. 41 Scope of work Subclause: Details of the Project Structure: A.	Design, Supply, Installation, Testing and Commissioning of 05 CAAQMS Equipments at each of the defined locations including one (03) years warranty.	We consider Three (03) years warranty. Please confirm	Refer, Corrigendum No. II Pg. no. C- 151 Sr. no. - 03.
3	Section 07	One (1) Day light & Night	For live data and status	Refer,

	Pg. No. 42 Scope of work Subclause: Details of the Project Structure.	visible data display system 8 ft x 12 ft to be protected by rain & all-weather conditions from the top is to be supplied, installed and maintained for Eight (08) years Near to BMC AQMR lab, for the continuous live data and status monitoring of all Five CAAQMS (Continuous Ambient Air Quality Monitoring Stations) and Existing Five CAAQM stations under the BMC AQMR lab.	monitoring, all 10 CAAQMS stations (5 new and 5 existing) will transmit data to the central server, which will then feed the display board. Please specify the distance between the 5 new CAAQMS Stations and the central server, as well as between the central server and the BMC AQMR Lab. The transmission of data from the existing 5 CAAQMS stations up to the central server will fall under MCGM's scope.	Corrigendum No. II Pg. no. C- 152, Sr. no. - 04 Yes.
4	Section 11 Pg. No. 111 Technical Specification Subclause :6.4 Continuous Total Hydrocarbon Monitoring Analyser.	Electrochemical analyzers measure the current generated by the ionization of carbon atoms within a flame furred by a hydrogen/air mixture. To distinguish between total Hydrocarbons (THC) and Non-Methane Hydrocarbons (NMHC), a converter is employed to selectively oxidize all of the Non-Methane Hydrocarbons.	Instead of electrochemical analyzer—it should be FID based. Continuous Total Hydrocarbons Monitoring Analyser. The values for Methane, Non-Methane hydrocarbons and Total hydrocarbons reading should be appear separately. The condition of USEPA approval is not mandatory in this case.	Tender Condition Prevails. Principle : Based on the Gas Chromatography separation and Flame Ionization Detector.(FID) USEPA approval is not mandatory in this case.
5	Section 11. Pg.No. 113 Technical Specification Subclause : (7.1).	7.1 Multipoint Gas Calibrator System : (v) Calibration using permeation tubes for which at least two chambers-based Permeation system has to be provided.	Multipoint Gas calibration system : 1.The Gas Calibration System shall be done through Standard gas cylinder & shall be capable to do the following : Multipoint calibration using automatic dilution system for the calibration of SO ₂ , NO, CO, NH ₃ , and BTEX analyzer. Calibrator : Calibrator should be of analyzer OEM make. Auto Calibration (Userselectable) Generate zero air of 99.9% purity (High Performance Zero	Refer, Corrigendum No. II Pg. no. C- 152, Sr. no. - 05.

			Air Generator to be provided). Having facility for O3 Generator for stable repeatability calibration. Gas Phase Titration (GPT) with O3 generator having 100% converter efficiency for conversion of NO to NO2.	
6	Section 11. Pg.No. 110 Technical Specification Subclause : Continuous Ambient Air Quality Monitoring Analysers (Particulates 6.3)	(6.3) AMBIENT PARTICULATE ANALYSER (PM10 & PM 2.5) Based On the principle tapered element oscillating microbalance (TEOM).	Please note that separate analyzers are required for PM10/PM2.5 measurement. A distance of around 1.5mts should be maintained between two sampling heads of PM10 & pm2.5.	Refer, Corrigendum No. II Pg. no. C- 153, Sr. no. - 07.
7	Section 11. Pg.No. 125 Technical Specification Subclause :9.11 Connectivity for data transfer. A) Leased line circuit	2 MBPS Leased line connectivity with 99% uptime service level agreement to be provided by the firm at each location. The leased line may be provided on copper or optical fibre or through RF depending on location.	2 MBPS Leased line/ broadband connectivity with 99% uptime service level agreement to be provided by the firm at each location. The leased line may be provided on copper or optical fibre or through RF depending on location.	Refer, Corrigendum No. II Pg. no. C- 153, Sr. no. - 08.
Thermo Fisher Scientific India Pvt. Ltd.				
1	Section 01, Pg. No. 07 E-Tender notice Subclause: Header Data	e- Tender notice_1 – Section 1 Opening of Packet A & B.	Please check the bid opening dates and confirm.	Tender Condition Prevails.
2.	Section 02, Pg. No. 09 Eligibility Criteria Subclause : (1.1)	– Section 1 (Eligibility Criteria)	Please note that in the said clause at one place you have asked for 1 yr satisfactory O&M of the supplied system but in the clause below you have asked for Performance Certificate for 2 yrs. Please	Tender Condition Prevails. Bidder should have an experience of one year of satisfactory Operation &

			clarify if Performance Certificates with 1yr Performance is acceptable.	Maintanance of real time monitoring system. During last 7 years ending of the date of opening of this bid. The analyser model proposed must have a valid performance certificate for a period of two years issued by a reputed SPCB/PSU.
3.	Section 07 Pg. No.41 Scope of work,	Section 7 (Scope of Work)	The tender calls for “Scope of work: To establish an integrated air quality data management platform, coupled with a monitoring network of Ten CAAQMS and an air quality monitoring system, capable of disseminating air quality information for the Brihanmumbai Mahanagarpalika region in order to achieve following objective of the project”. However, the tender requirement is for 5 nos. and not ten nos. AAQMS. Please clarify this clause.	Refer, Corrigendum No. II Pg. no. C- 154, Sr. no. - 09.
4.	Section 07 Pg. No.41, Scope of work, Subclause : Details of the project Structure.	Details of the Project Structure (O&M Period)	Please note that the title of the tender calls for “five-year comprehensive Operation & Maintenance Contract (O&M) after completion of three years Warranty” but as per Details of Project Structure – Cl. (B) – it calls for Comprehensive Operation and Maintenance of those CAAQMS for a period of five (5) years from the date of Commissioning of all CAAQMS. Please clarify the exact scope of service to be considered.	Refer, Corrigendum No. II Pg. no. C- 154, Sr. no. - 10.
5.	Section 07	Details of the Project	In this clause, regarding	Tender Condition

	Pg. No. 42 Scope of work, Subclause : Details of the project Structure.	Structure (Display Board near BMC)	data to be shown on Display Board near BMC, it is mentioned that details of 5 nos. New AAQMS and existing 5 nos. AAQMS. Please note that MCGM has to provide data of vendor of existing AAQMS station, so that we can check the compatibility of our Display Board and DAS software with the software for existing AAQMS. Further, if possible, we would request you to remove this requirement as integrating different vendors' data into the Display Board supplied by another vendor is difficult. Please clarify.	Prevails. The details of file format of existing five (05) CAAQMS data will be shared with the successful vendor.
6	Section 09 Pg. No.60 General Conditions of contract. Subclause : 31. Liquidated Damages.	Section 9 (GENERAL CONDITIONS OF CONTRACT) 31. Liquidated Damages.	Please confirm that Liquidated Damages shall be 0.5% per week of supply value to maximum 5% of supply value.	Tender Condition Prevails.
7.	Section 09 Pg. No. 75 General Conditions of contract. Subclause : 65 (iii) Payment Terms.	65 (iii)Payment Terms	We request that Payment Terms shall be as follows: Payment For BOQ PART A of DSITC OF CAAQMS : 90% payment will be made against delivery of material at site (maximum within 730 days), and Balance 100% payments will be released after successful commissioning of the complete work within 30 days from submission of bill. If there is delay in commissioning of the supplied system beyond 90 days from the date of	Tender Condition Prevails. Payment Terms and Conditions are per SBD.

			receipt of material at site, the remaining payment to be released immediately against submission of PBG valid till warranty period + 3 months claim period. Kindly confirm your acceptance.	
8.	Section 09 Pg. No. 75 & 79 General Conditions of contract. Subclause : 65 (iv) & 69 (A). Payment Terms.	65 (iv) And Cl. 69 (A)Payment Terms	Payment for BOQ PART B Comprehensive Operation & Maintenance Contract (O&M) of CAAQMS – We request that payment shall be made on quarterly basis against completion of services related to O&M for that quarter and submission of bills. Please confirm your acceptance.	Refer, Corrigendum No. II Pg. no. C- 154, Sr. no. - 11.
9	Section 10 Pg. No. 83 Scope of Service And Detail of Project Structure. Subclause : Details of Project Work	Section 10 (Scope of service and detail of project structure) C (2)Details of Project Work	Please confirm the scope of O&M and warranty as this clause also mentions O&M as 3 yrs from commissioning. Kindly correct the same.	Refer, Corrigendum No. II Pg. no. C- 154, Sr. no. - 12.
10	Section 11, Pg. No.88- 89 Technical Specificatio n Subclause : Minimum Requirement for a CAAQMS Station (BOM).	Section 11 (TECHNICAL SPECIFICATION) MINIMUM REQUIREMENTS FOR A CAAQMS STATION (BOM)	Please confirm if combined analyzer for measurement of NH3-NO-NO2-NOx can be quoted. This model shall provide simultaneous readings of these 4 parameters. Please confirm your acceptance.	Tender Condition prevails. As per the SBD, Continuous Ambient Oxides of Nitrogen (NO/NO2/Nox) analyser and Continuous Ambient Ammonia (NH3) analyser should be provided seperatly.
11	Section 11 Pg. No.99 Technical Specificatio n Subclause :	4.1.7 and 4.1.8 Permeation Tubes and benches	1) Please note that it is recommended to calibrate the analyzers using cylinders instead of Permeation tubes as cylinders provide 3-point	Refer, Corrigendum No. II Pg. no. C- 153, Sr. no. - 06.

	4.1.7 and 4.1.8 Permeation Tubes and benches		<p>calibration which helps to perform linearity checks also whereas with permeation tubes, it only provides single point calibration. Further maintenance of permeation tubes is more difficult compared to cylinders due to leakage issues. So we request you remove the requirement of permeation tubes from analyzers and calibrators. Please confirm your acceptance.</p> <p>2) Further in the tender HC analyzer is not required, so permeation tube for the same shall not be provided. Please confirm your acceptance.</p> <p>3) Please note that NH3 analyzers do not have calibration option using permeation tubes. So, we request you to remove the requirement of Permeation Tubes for NH3 analyzers.</p>	
12	Section 11 Pg. No. 103 Technical Specification Subclause :5.1 (11) and (12)	5.1 (11) and(12) Calibration through Permeation Bench for SO2 analyzer	Please refer to our query raised above regarding Permeation Tubes and we request you to accept calibration using cylinders instead of Permeation Tubes.	Refer, Corrigendum No. II Pg. no. C- 136, Sr. no. - 05.
13	Section 11 Pg. No. 104 Technical Specification Subclause : 5.2 (11) and (12)	5.2 (11) and (12) Calibration through Permeation Bench for NO-NO2-NOx analyzer	Please refer to our query raised above regarding Permeation Tubes and we request you to accept calibration using cylinders instead of Permeation Tubes.	Refer, Corrigendum No. II Pg. no. C- 152, Sr. no. - 05.
14	Section 11 Pg. No. 105 Technical Specification Subclause :5.3 (11) and	5.3 (11) and (12) Response Time and Rise and Fall Time for NH3 analyzer	Please note that for analyzer the Response Time and Rise and Fall Time is same, so we request you to accept 180 seconds for both.	<p>Tender Condition Prevails.</p> <p>Response time and Rise / Fall time of NH3 Analyser</p>

	(12)			should be as per technical specification.
15	Section 11 Pg. No. 106 Technical Specification Subclause :5.4 (10)	5.4(10) Response Time of CO analyzer	Please note that Response Time of CO analyzer is 60 seconds instead of 30 seconds. Same has been mentioned in CPCB Guidelines. Please confirm your acceptance.	Tender Condition Prevails. Response time of CO analyser should be as per technical specification.
16	Section 11 Pg. No. 113 Technical Specification Subclause :7.1 (v) and (vi)	7.1 (v) and (vi) Permeation Bench in Calibrator	As per our explanation above in Cl. No., we request you to remove this requirement. Kindly confirm your acceptance.	Refer, Corrigendum No. II Pg. no. C- 152, Sr. no. - 05.
17	Section 11 Pg. No. 113 Technical Specification Subclause :7.1 (iv)	7.1 (4) Calibration of Ozone analyzer using Calibrator	As Ozone analyzers have their own Ozone Generator with which they are calibrated, so calibration of analyzers from calibrator is not required. So, we request you to remove this requirement. Kindly confirm your acceptance.	Refer, Corrigendum No. II Pg. no. C- 152, Sr. no. - 05.
18	Section 11 Pg. No. 118 Technical Specification Subclause :9.2	9.2 PC for DAS	Please note that one common PC for DAS and AQI calculation can be used as it is done in the same software. So, we request you to kindly accept 1 no. common PC instead of separate 2 nos. PCs for DAS and AQI. Kindly confirm your acceptance.	Tender Condition Prevails. Single PC can be used for DAS and AQI calculation.
19	Section 11 Pg. No. 124 Technical Specification Subclause :9.10	9.10 Printers	Please confirm if printers are to be supplied in every AAQMS station or only in the Central Station.	Tender Condition Prevails. Five (05) printers are to be provided at respective CAAQMS and One (01) for central server room at AQMRL. Total 06 nos.

20	Section 11 Pg. No. 136,138 Technical Specification Subclause : 13 (A – 20) & (B – 20)	Cl. 13 (A - 20) and (B – 20) Certification for Display Board	Please note that as per Display Board vendors - BIS, UL/ULC does not give any certification for Display Boards, so we request you to remove this requirement.	Tender Condition Prevails. Certifications are required as per Specification.
21	Section 08 Pg. No. 44 Bill of Quantities.	SCHEDULE (BILL) OF QUANTITIES AND RATES	We humbly request you to please remove this clause, “Quoted cost of O&M of a CAAQMS for each year should be at least 10% of the cost of Supply, Installation, Testing & Commissioning of the CAAQMS. In case the bidder quotes O&M cost lower than 10% of the DSITC cost, the owner will reduce the DSITC cost suitably. So as to make the O&M cost as 10% of such DSITC cost keeping the total quoted cost as unchanged. (Note:- To be filled in C packet on line).”	Tender Condition Prevails.

Analyser Instruments Co. Pvt. Ltd.

1	Section 02 Pg. No. 09 Eligibility Criteria Subclause : 1.1	The analyzer must have a valid performance certificate for a period of two years following the date of its USEPA and TUV (QAL1) certifications, issued by a reputed SPCB/PSU.	This is not required as per CPCB guidelines. Performance certificate of Model quoted should be acceptable without condition of two years following the date of its USEPA and TUV (QAL1) certifications, issued by a reputed SPCB/PSU.	Tender Condition Prevails. The analysers must have at least two years of valid performance certificate after USEPA and TUV (QAL1) certifications by reputed SPCB / PSU.
2	Section 02 Pg. No. 09 Eligibility Criteria Subclause: 1.1	The bidder/Manufacturer (OEM) / Authorized dealer have at least 07 analyzers should be of same make, The analyzers of PM10, PM2.5, CO, O3, SO2 and NO- NO2-	This is not required as per CPCB technical specifications. Either USEPA or TUV approval is required. Vendor confirmation regarding	Tender Condition Prevails. USEPA certification ensures public

		NOx must be of reputed manufacturers company and must be approved/conform with USEPA automated reference and TUV (QAL1).	TUV (QAL1) should be sufficient.	health grade accuracy in ambient air, also plays role environmental protection assurance. while TUV (QAL1) ensures long term reliability and quality assurance in harsh industrial emission environments.
3	Section 11 Pg. No. 100 Technical specification Subclause : 4.1.12	4.1.12 Ambient gas analysers shall be approved by the USEPA and TUV. However, in case of BTEX and Ammonia Analyser specifications as given will be considered or MCERTS / EN. Method of measurement used shall also comply with the stipulation on National Ambient Air Quality Standards (NAAQS) 2009 (Details of Methods of Measurement is available at MoEF and CPCB websites). All analysers shall be micro – processor controlled with automatic calibration using an external dilution calibrator and calibration standards. All analysers should be fully integrated in the rack cabinet, fully calibrated & tested before supply and ready for start – up at the Page 14 of 43 respective sites. Analyser must exhibit performance equal to or better than values specified in the Calibration & test certificate provided with each analyser.	Either USEPA or TUV approval should be acceptable as per CPCB technical specs. Enclosed is corrigendum issued by Mahanadi Coalfields Limited (MCL) against GEM No. GEM/2025/B/6497626 dtd.01.08.2025 for Continuous Ambient Air Quality Monitoring Station (CAAQMS) to provide either USEPA or TUV approval, issued based on query raised by us. We would like to reiterate USEPA approval is sufficient. As per comparison statement enclosed TUV approval as per EN15267 has many variation parameters such as: SO2/NO/No2/NH3/CO2/ O3/Water/m-xylene interferent Additional influences of ambient temp. supply variation vibration, gas pressure & flow, TUV approval is in no way better than USEPA approval. TUV approval is sought by companies selling their analysers in European market to comply with European	Tender Condition Prevails. USEPA certification ensures public health grade accuracy in ambient air, also plays role environmental protection assurance. while TUV (QAL1) only ensures long term reliability and quality assurance of analyser in harsh industrial emission environments.

			<p>norms. USEPA is supreme.</p> <p>4.1.16 Page 101 Quality Control and Standard</p> <p>Data shall be collected and validated according to US EPA standards, using the methodologies included in 40 Code of Federal Regulations. All analyzers shall have current US EPA reference or equivalent method designation and shall be of the latest design. The supplier shall submit a Standard Operating Procedure for the air quality monitoring stations to the Buyer at the time of bid submission. This Standard Operating Procedure shall be approved by the Buyer prior to award. The Standard Operating Procedure shall contain the following:</p> <ul style="list-style-type: none"> i. Operating procedures for all analyzers and meteorological sensors. ii. Calibration procedures iii. Calibration schedule iv. Maintenance procedures v. Maintenance schedule vi. Data validation procedures. vii. Quality Assurance procedures. viii. Sample quality assurance. documentation ix. Sample Air Quality Report. The calibration procedures for analyzers shall conform to USEPA methodologies and shall include daily calibration checks, by weekly precision checks and linearity checks every six weeks. All analyzers shall undergo full calibration in every three months. Data 	
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			obtained from these calibration checks and copies of associated Quality Assurance and calibration documentation, shall be submitted to the Buyer along with the Air Quality Data.	
4	Section 10 Pg. No. 84 Scope of Service and detail of project structure Subclause : (D) Minimum Technical Specification	The technical specifications given in Minimum Technical Specifications of bid documents are descriptive and Technical Committee can consider technical proposal having similar specifications.	This may please be followed.	Tender Condition Prevails.
5	Section 11 Pg. No. 108 & 109 Technical Specification Subclause : 6.1 & 6.2	Point 6 Detector : Plastic Scintillator/ GM Counter.	As per CPCB guidelines, Detector: Plastic Scintillator / GM Counter /Semi-conductor. So we request you please consider Semi-conductor detector also.	Tender Condition Prevails.
6	Section 11 Pg. no. 99 Technical Specification Subclause 4.1.8 Permeation Tube.	4.1.8 The analyser of SO ₂ , NO-NO ₂ - NO _x , NH ₃ , THC & BTEX should have the permeation bench with NIST certified permeation tube for the span check in the analyser. The date of Calibration Certificate of Permeation Tube should not be older than 30 days on the date of commissioning of the respective analyser. Thus, it is desirable that the consignment of permeation tubes may be dispatched separately.	As per CPCB guidelines, built in permeation tube is not required and calibration is done with help of multipoint calibration & span gas cylinder so please delete this clause.	Refer, Corrigendum No.II Pg. no. C- 153, Sr. no. - 06.
Engineering & Environmental Solutions Pvt. Ltd.				

1	<p>Section 02 Pg. No.09 Eligibility Criteria Subclause : 1.1.1</p>	<p>The bidder/ Manufacturer (OEM) / Authorized dealer who must have supplied, tested and commissioned of 02 Nos.of Continuous Ambient Air Quality Monitoring Station (CAAQMS (SO₂,NO/NO₂/NO_x, NH₃, CO, O₃, THC, BTEX, PM₁₀, PM_{2.5} analyzers and Meteorological System) as mentioned in Technical specifications of section 11 of SBD/ Technical specification of CPCB for CAAQMS and with experience of at least one year of satisfactory O&M of real time monitoring system during last 7 years ending the date of opening of this bid. Purchase order and performance certificate of the same to be enclosed.The bidder/Manufacturer (OEM) / Authorized dealer have at least 07 analyzers should be of same make, The analyzers of PM₁₀, PM_{2.5}, CO, O₃, SO₂ and NO- NO₂-Nox must be of reputed manufacturers company and must be approved/conform with USEPA automated reference and TUV (QAL1). All USEPA Analyzers country of origin should be same as manufacturing address appearing in USEPA website. The analyzer must have a valid performance certificate for a period of two years following the date of its USEPA and TUV (QAL1) certifications, issued by a reputed SPCB/PSU.</p>	<p>1. Experience Criteria – Number of Parameters We respectfully request that experience of past work orders covering minimum 05 parameters may be considered as eligible experience, instead of mandating all parameters as per the current clause. Justification: Many capable bidders have successfully executed CAAQMS projects with fewer parameters but with reliable performance and O&M experience. Allowing experience with 5 parameters will encourage wider participation without compromising technical quality. 2. Same Make Analyzer Requirement We request a minor relaxation in the condition requiring minimum 07 analyzers of the same make. Justification: At present in India, only one or two manufacturers offer analyzers of the same make covering all parameters. Allowing analyzers of different reputed makes will: <ul style="list-style-type: none"> • Increase bidder participation • Avoid monopolistic conditions • Promote healthy and fair competition • Still ensure technical compliance and system performance. 3. Analyzer Certification Requirement We request that the analyzer compliance requirement may be amended as</p>	<p>Tender Condition Prevails.</p> <p>The specified criteria are based on the minimum requirements set forth by the NAAQS guidelines 2009, ensuring compliance with regulatory standards. Additionally, the limitation to 7 units of the same make is intended to facilitate smooth maintenance, calibration, and availability of spare parts in the future. This approach is designed to maintain system consistency and operational reliability.</p>
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			<p>follows: All analyzers must be approved / confirm to USEPA Automated Reference Method or TUV (QAL1) or MCERT. Justification: USEPA-certified analysers are globally accepted and widely deployed in air quality monitoring systems.</p>	
2	<p>Section 02 Pg.No. 09 Eligibility Criteria Subcluse : 1.1.2</p>	<p>The bidder(s) in their own name should have satisfactorily executed the work of similar nature or currently executing the work of a similar nature as described below. Three similar completed/ ongoing works (value of completed part of ongoing work) each costing not less than the amount as mentioned below (Rs.) Rs. 5,16,58,144/- Or Two similar completed/ongoing works (value of completed part of ongoing work) each costing not less than amount as mentioned below (Rs.) Rs.7,74,87,216/- Or One similar completed/ ongoing work (value of completed part of ongoing work) costing not less than amount as mentioned below (Rs.) Rs. 10,33,16,288/-.</p>	<p>1. The current eligibility clause evaluates bidder experience solely on the basis of high monetary value of similar work orders. 2. In the case of CAAQMS projects, technical capability and execution strength are more accurately demonstrated by the number of CAAQMS units successfully supplied, installed, commissioned, and operated, rather than by contract value alone. 3. Many technically competent and experienced bidders, especially MSME companies, have executed multiple CAAQMS projects in phased or decentralized orders where individual work order values are comparatively lower. 4. Such bidders possess adequate manufacturing capability, field experience, and satisfactory performance records but may be excluded due to the existing financial threshold. 5. Restricting eligibility based only on contract value may limit healthy competition and does not fully align with the</p>	<p>Tender Condition Prevails. Eligibility criteria as per Tender documents.</p>

			<p>Government of India's MSME participation and inclusive procurement objectives.</p> <p>6. It is therefore requested that the eligibility criterion may be amended to consider experience based on the quantity/number of CAAQMS executed (completed and/or ongoing), supported by performance certificates, instead of minimum monetary value of work orders.</p> <p>7. This amendment would encourage wider participation of capable bidders while maintaining technical and operational standards of the project.</p>	
3	<p>Section 02 Pg. No. 10 Eligibility Criteria Subclause : 1.3 Similar Experience</p>	<p>For Manufacturer: Supply and O&M of analytical based CAAQMS. OR Bidder / Authorized dealer who deals with analytical based CAAQMS. Experience of at least supply of 02 CAAQMS with O&M to Govt./ Semi-Govt /Govt. Undertaking organisation. Work experience of CAAQMS based on Electro-chemical technology shall not be considered. Substantially completed works means those works which are at least 90% completed as on the date of submission (i.e. gross value of work done up to the last date of submission is 90% or more of the original contract price) and continuing satisfactorily. For these, a certificate from the employer shall be submitted along with the application incorporating clearly the name of the work, Contract value, billing amount, date of</p>	<p>1. Acceptance of Electro-Chemical Technology–Based AQMS The current clause permits experience only in analytical-based CAAQMS and excludes Electro-chemical technology–based AQMS. Electro-chemical AQMS are technically proven, widely deployed, for ambient air quality monitoring applications. Exclusion of this technology may disqualify competent bidders with substantial field experience and satisfactory operational performance. Request: Kindly allow Electro-chemical technology–based AQMS experience to be considered as valid similar work experience.</p> <p>2. Acceptance of Experience from Private Limited Organizations The eligibility clause</p>	<p>Tender Condition Prevails.</p> <p>As per Tender documents, all analyser should be analytical based. Work experience of CAAQMS based on Electro-chemical technology shall not be considered.</p>

		<p>commencement of works, satisfactory performance of the Contractor and any other relevant information. The bidder shall have there well established office/ service centre in MMRDA region.</p>	<p>restricts experience to projects executed for Govt./Semi-Govt./Govt. Undertaking organizations only.</p> <p>Several Private Limited organizations, including large industries and infrastructure projects, have implemented AQMS/CAAQMS systems with equivalent technical complexity, compliance requirements, and long-term O&M obligations. Such projects provide comparable technical exposure and performance accountability.</p> <p>Request: Kindly allow experience certificates from Private Limited organizations to be considered, subject to submission of satisfactory completion/performance certificates.</p>	
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The meeting then concluded at 6:00 pm with vote of thanks.

Sd/- 01.01.2026
(Manohar Charje)
Scientist In-Charge
AQMLR

Sd/- 01.01.2026
(Sunil Khairnar)
Ex. Eng. - I
(Env & CC)

Sd/- 01.01.2026
(Ajay Rane)
Dy. Ch. Eng.
(Env & CC)

Sd/- 01.01.2026
Avinash Kate
DMC (Env & CC)