

MINUTES OF PRE-BID MEETING FOR Tender ID: 2024_MPCB_1034305_1

**Supply, Installation, Commissioning and Providing O & M Service of Continuous Ambient Air Quality Monitoring Station (CAAQMS) to be installed in the State of Maharashtra - 50 Nos. (Tender Ref. No: MPCB/JD(APC)/CAAQMS/2023-24)
(Tender ID: 2024_MPCB_1034305_1)**

The pre-bid meeting was held offline/ online/ through VC on 27/03/2024 at 11.15 AM to resolve the queries raised by the different bidders, following bidder were present in the pre-bid meeting:

1. M/s. Thermo Fisher Scientific India Pvt Ltd. Powai, Mumbai (Physically present)
2. M/s. Chemtrols Industries Private Limited, Powai, Mumbai (Online present)
3. M/s. Acoem Ecotech Industries Pvt. Ltd., Mumbai (Online present)

The Committee clarified the queries received in writing / raised by the bidders and same are recorded. The Queries raised by above bidder with tender committee remarks are placed at **Annexure – I**.

The committee has also decided that, pre-bid minutes of the meeting should be treated as part of the Tender Conditions of e-tender and shall be binding to both, MPCB and Bidders.

The committee has also decided that, the queries received after the deadline as per the tender condition / and after pre-BID meeting, shall not be considered for reply & e-tender bidding.

The meeting ended with vote of thanks to the chair.


28/3/2024

Request For Proposal for "Supply, Installation, Commissioning and Comprehensive Operation & Maintenance Services of 50 Continuous Ambient Air Quality Monitoring Stations (CAAQMS) in Maharashtra"


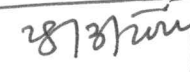
Ref: RFP Notification number: MPCB/JD (APC)/2023-24

Minutes of Pre-Meeting for Tender Id : 2024_MPCB_1034305_1 dated 27-03-2024

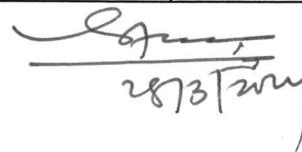
Sr.No.	Bidder Name	Clause No.	Page No.	Content of RFP Requiring clarification	Change Requested/ Clarification required	MPCB Response
1	ACOEM ECOTECH	5. - Earnest Money Deposit	10	This payment will not be accepted by the department through any offline modes such as Cash, Cheque or Demand Draft.	Please note that payment of EMD for high value amount of Rs. 1.50 Cr. through online is not approved in any of the banks for corporates. Requested to please allow for remittance of EMD through NEFT/RTGS mode alongwith PBG option from any banks listed under RBI schedule. Kindly also allow/provide the provision of transferring EMD through NEFT/RTGS mode or uploading of PBG in your eprocurement website.	RFP condition prevails
2	ACOEM ECOTECH	4.6 - Pre-Qualification Evaluation. PQ 4- Project Experience 1:	21	The Bidder must have experience in "similar works"* during last seven (07) years as on last date of submission of bid as per following details One (01) project worth at least INR. 60 Cr. OR Two (02) projects each costing not less than the amount equal to INR. 40 Cr. OR Three (03) projects each costing not less than the amount equal to INR. 30 Cr.	We understand that the each PQ experience requirement of Purchase Order/Work Order values specified under Cl. 4.6 of respective PQ4 - Project experience 1 criteria shall be specifically towards supply, installation, commissioning and Operation & Maintenance of Continuous Ambient Air Quality Monitoring Stations (CAAQMS) undertaken by bidder and its O&M associate/partner under a single & same tender reference no. / project reference no. in India complying to Cl.4.6 requirement. Please confirm.	RFP condition prevails
3	ACOEM ECOTECH	4.6 - Pre-Qualification Evaluation. PQ 4- Project Experience 1: Documents to be submitted	21	b) Completion Certificate from the client	We understand that the each of the said completion certificate or Installation & commissioning certificate should be signed by the respective client specifically towards supply, installation, commissioning and of Continuous Ambient Air Quality Monitoring Stations (CAAQMS). Please confirm.	RFP condition prevails
4	ACOEM ECOTECH	4.6 - Pre-Qualification Evaluation. PQ 8- Project Experience 1: Minimum Eligibility Criteria Pre-Qualification Criteria and IFB Cl. 5 & 6 - bidders O&M Associates as O&M Partner in India.	23	Manpower Strength The Bidder should have at least 30 Service Engineers experienced in Comprehensive O & M of CAAQMS, with either permanent PF account or professional tax account on bidder's payroll as on bid submission date.	We understand this requirement is towards the requirement of resources / manpower for carrying your O&M services in event of award of contract on bidder or on its O&M Associates. Hence as per tender IFB Cl. 5& 6 the document relating to manpower requirement of bidders or its O&M Associates as O&M Partner in India to carry out O&M can be furnished to comply to this requirement in compliance to PQ 8 criteria. Please confirm.	RFP condition prevails

[Signature]
28/3/2024

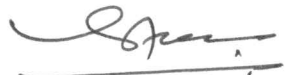
Sr.No.	Bidder Name	Clause No.	Page No.	Content of RFP Requiring clarification	Change Requested/ Clarification required	MPCB Response
9	ACOEM ECOTECH	Vol - I - Section - I - ITB ANNEXURE – I (For one CAAQM Station) Sl.No. 3- Automatic Ambient NOx and NH3 Analyzer	41 173	Annexure - I - Sl. No. 3 -Automatic Ambient NOx and NH3 Analyzer and Technical specification for Ambient Air Quality Monitoring Analysers 7. Ambient Air Quality Monitoring Analysers A) AMBIENT OXIDES OF NITROGEN (NO-NO2-NOx) ANALYSER B) AMBIENT AMMONIA ANALYSER (NH3)	As per Annexure - I - SL. No. 3- Automatic Ambient NOx and NH3 Analyzer (pg 41 of 272) tender calls for single combined Gas Analyser for measurement of NO/NO2/NOx & NH3 Ammonia instead of two separate analysers for NO-NO2-NOx & NH3. Please confirm.	As per RFP Condition
10	ACOEM ECOTECH	Technical Specification I) BTX Monitor 2.5- CALIBRATION UNIT WITH SPAN GAS / IN BUILT CALIBRATION WITH /PERMEATION TUBES AND GAS MIXING / DILUTION FACILITY In Built Calibration/ Permeation Tubes Facility in the analyzer with the certified permeation tubes and span or calibration gas mixture (low conc. in ppb range, stable for at-least 6 months) with S.S. container/ cylinder, regulators with filters should be provided	181	I) BTX Monitor 2.5- CALIBRATION UNIT WITH SPAN GAS / IN BUILT CALIBRATION WITH /PERMEATION TUBES AND GAS MIXING / DILUTION FACILITY In Built Calibration/Permeation Tubes Facility in the analyzer with the certified permeation tubes and span or calibration gas mixture (low conc. in ppb range, stable for at-least 6 months) with S.S. container/cylinder, regulators with filters should be provided	The specified permeation tube facility for calibration of BTEX is generally not available with most of the vendor ,hence requested to generalize the same by deleting the text "Permeation tubes facility" since the CAAQMS system will be calibrated as per NIST standard traceable calibration cylinder. Also please note that as per latest update, CPCB had removed the requirement of permeation tube on account of technical reasons as there is frequent variation in concentration resulting in high span drift.	The committee has reviewed the latest update of Technical specification of CPCB, wherein CPCB has removed the requirement of permeation tube calibration in analyzer. However, the same is required in Multi point calibration system as per the CPCB specification.
11	ACOEM ECOTECH	Vol - I : Section VI 9. Special Conditions to Contract Cl. 6 - Work Schedule 6.2.- Equipment to be supplier from India:	136	All the equipment shall be received at Continuous Ambient Air Quality Monitoring Station Sites within 120 days from the date of notification of award.	The work schedule /delivery period of supplies provided in tender for 120 days may be insufficient considering the project being of large scale turnkey nature with 50 nos of supply & Installation of CAAQMS at 50 different sites within the state of Maharashtra. Hence it is requested to please consider delivery period of supplies as 240 days from date of opening of Letter of credit	RFP condition prevails


Sr.No.	Bidder Name	Clause No.	Page No.	Content of RFP Requiring clarification	Change Requested/ Clarification required	MPCB Response
12	ACOEM ECOTECH	VOLUME 1 : SECTION IV 7. FORM OF FINANCIAL BID Attachment 1: BID FORM Attachment 2: Summary of Bid Price Attachment 3: Bid Price Breakup for Equipment (CIF) Price Attachment 3A: Bid Price Breakup for O&M of CAAQMS for Five Years	107	7. FORM OF FINANCIAL BID or Item Rate BoQ BOQ_1808492.XLS	Please confirm if Form of Financial Bid under tender document Vol 1 - Sec IV from Attachment 1, Attachment 2 ,Attachment 3 and Attachment3A (Pg 107 to 112 of 272) to be uploaded as financial bid alongwith and in addition to the BOQ provided in BOQ_1808492.XLS Price bid format. If so, please make provision for uploading of "pdf" under financial bid in the eprocurement website.	RFP condition prevails Yes, Bidder shall submit all required forms and attachments.
13	Thermo fisher Scientific India Pvt. Ltd.	Cl. 4 - Invitation to Bids	12	Performance Certificates	Please note that some Govt. Customers may not provide Performance Certificates. In that case, please confirm if commissioning reports are acceptable with proof of Order and Delivery of the system as per the PO's.	Performance certificate is not required. For document to be submitted, bidder shall refer to the RFP eligibility criteria.
14	Thermo fisher Scientific India Pvt. Ltd.	Cl No. PQ 4. Project Experience 1	21	Project Experience 1	We request you to consider Any Gas Analyzer System supplied to Govt. Projects and not limit this to "Similar Works" i.e AAQMS system with below criteria 1) One (01) project worth at least INR. 25 Cr. OR 2) Two (02) projects each costing not less than the amount equal to INR. 10 Cr. OR 3) Three (03) projects each costing not less than the amount equal to INR. 5 Cr.	As per RFP Condition
15	Thermo fisher Scientific India Pvt. Ltd.	Cl. 12.3 (d) - Software SLAs	69	Availability	As per CPCB norms, they ask for uptime of 85%. Please confirm your acceptance on 85% availability.	As per CPCB Protocols
16	Thermo fisher Scientific India Pvt. Ltd.	Cl. 1.4 of II (Technical Specification)	163	Paneling of Shelter	Please confirm your acceptance of the following: 1. Powder coating to any of component will not be applicable, painting shall be done to all the brackets and cages including the base frame. Since outer sheets are required coated 1.2mm thick MS sheets, these shall be further coated with std. epoxy painting not the powder coating. 2. As per your specifications, any of steel part shall not be galvanized @ 275 micron and also any of internal sheet shall not be powder coated.	RFP condition prevails
17	Thermo fisher Scientific India Pvt. Ltd.	Cl. 1.9.1 of II (Technical Specification)	165	Security Cabin	Please confirm if Security cabin is required near every AAQMS.	RFP condition prevails


 28/3/2017

Sr.No.	Bidder Name	Clause No.	Page No.	Content of RFP Requiring clarification	Change Requested/ Clarification required	MPCB Response
18	Thermo fisher Scientific India Pvt. Ltd.	Cl. 4.6 of 4. Air Quality Analysis System of II (Technical Specification)	170	Permeation tube and bench in analyzers and Calibrators	Please note that it is recommended to calibrate analyzers using cylinders instead of permeation tubes, as with cylinders we can get three-point calibration of analyzers which helps in check linearity also. However, with permeation tube we only get single point calibration. Hence, we recommend the removal of requirement of Permeation tube and bench in analyzers and Calibrators. Please confirm your acceptance.	The committee has reviewed the latest update of Technical specification of CPCB, wherein CPCB has removed the requirement of permeation tube calibration in analyzer. However, the same is required in Multi point calibration system as per the CPCB specification.
19	Thermo fisher Scientific India Pvt. Ltd.	Cl. 4.10 of 4. Air Quality Analysis System of II (Technical Specification)	170	Approvals for analyzers	1) As per GPCB specifications, please include MCERTS approval also for analyzer approvals. Please confirm. 2) Please note that USEPA does not give approval for NH3 analyzer, but NH3 analyzer is basically NOx analyzer with NH3 converter, so NOx analyzer approval document shall be provided. Please confirm your acceptance.	Acceptable


28/3/2019

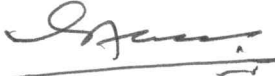
Sr.No.	Bidder Name	Clause No.	Page No.	Content of RFP Requiring clarification	Change Requested/ Clarification required	MPCB Response
20	Thermo fisher Scientific India Pvt. Ltd.	Cl. 7 (A) (09)- Oxides of Nitrogen (NONO2-NOx) Analyser	173	Response Time	Please note that Response for NO-NO2-Nox analyzer by CPCB specifications is '120 seconds or less'. Please accept the same.	RFP condition prevails
21	Thermo fisher Scientific India Pvt. Ltd.	Cl. 7 (B) (11 and 13) - Ammonia Analyser NH3	173	Response Time and Rise & Fall Time	Please note that Response Time and Rise and Fall Time of analyzers shall be same. Please confirm acceptance of 180 seconds for both.	RFP condition prevails
22	Thermo fisher Scientific India Pvt. Ltd.	Analog output for analyzers	173	Analog output for analyzers	Analog output for analyzers are not required as all the connectivity and data transfer can be done using RS232 and Ethernet output available in the analyzers. Please confirm.	Acceptable. (It should comply with the specifications and output as required by the board)
23	Thermo fisher Scientific India Pvt. Ltd.	Cl. (J) (a) Calibration System	182	Calibration System	Please note that it is recommended to calibrate analyzers using cylinders instead of permeation tubes, as with cylinders we can get three-point calibration of analyzers which helps in check linearity also. However, with permeation tube we only get single point calibration. Hence, we recommend the removal of requirement of Permeation tube and bench in analyzers and Calibrators. Please confirm your acceptance.	RFP condition prevails
24	Thermo fisher Scientific India Pvt. Ltd.	Cl. (J) (a) Ozone analyzer	182	The system should also include calibration of Ozone analyzer. Gas analyzer (SO2, NOx, CO, Ozone, Ammonia) and multi gas calibrator shall be of same make. Vendor should supply separate gas cylinder for each gas analyzer.	Please note that as we are providing ozone generator within ozone analyzer itself so calibration of ozone analyzer through calibrator is not applicable. So please remove the requirement of ozone analyzer calibration through calibrator.	Multipoint calibration system required as per CPCB specification. External calibration is must.



 28/3/2017

Sr.No.	Bidder Name	Clause No.	Page No.	Content of RFP Requiring clarification	Change Requested/ Clarification required	MPCB Response
25	Chemtrols Industries Private Limited	Tender documents, Clause no.2.1_Tender Notice Point no. 9	7	Earnest Money Deposit (EMD) to be paid in form of Online payment: Rs. 1.50 Cr (Rupees One Crore Fifty lakhs only)	We request to please provide exemption of EMD as per rule Government Financial Rules :2017 : GFR 170 for Micro and Small Enterprises .Copy attached. GFR 170 clause (i) states To safeguard against a bidder's withdrawing or altering its bid during the bid validity period in the case of advertised or limited tender enquiry, Bid Security (also known as Earnest Money) is to be obtained from the bidders except Micro and Small Enterprises (MSEs) as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) or are registered with the Central attached Purchase Organisation or the concerned Ministry or Department [or Startups as recognized by Department for Promotion of Industry and Internal Trade (DPIIT)]19. The bidders should be asked to furnish bid security along with their bids. GFR 170 clause (iii) states In place of a Bid security, the Ministries/ Departments may require Bidders to sign a Bid securing declaration accepting that if they withdraw or modify their Bids during the period of validity, or if they are awarded the contract and they fail to sign the contract, or to submit a performance security before the deadline defined in the request for bids document,they will be suspended for the period of time specified in the request for bids document from being eligible to submit Bids for contracts with the entity that invited the Bids. Even for bidders outside the MSE category,EMD in form of Bank Gurantee should be allowed as per clause no. Volume – I: Section no. I Clause no. 5_Preparation & Submission of the Bid Clause no. D,pg.33/250	RFP condition prevails
26	Chemtrols Industries Private Limited	Tender documents, Clause no. 2.2 e_Tender Time Schedule	8	Bid Submission :02/04/2024 @17:00 Hrs	We request due date extension by 3 weeks from the scheduled bid due date of 2nd April.	Deicision will be communicated soon.
27	Chemtrols Industries Private Limited	Volume I:Section I:4 Instructions to Bidders, Clause no.4.3: Bid Instructions & Process	16	4.3.1:Eligible equipment and conformity to the bidding documents :(1):All Countries are eligible source Countries for goods and services to be supplied under this Contract	Government of India has put restrictions on sourcing of components from Countries bordering India. Recently ,TNPCB,in a tender for 25 nos CAAQMS has put the condition vide clause no.8:Country of Origin, 8.4: Instrument/ Equipment shall be accepted as per the Notification issued by GOI order in this tender.In the light of this,we request to review of this clause.	As per RFP Condition
28	Chemtrols Industries Private Limited	Tender documents, Clause no. 2_General Instructions (Etendering	9	The Contractors participating first time for e-Tenders on GoM e-tendering portal will have to complete the Online Registration Process for the e-Tendering portal. A link for enrollment of new bidders has been provided on https://maharashtra.etenders.in	We understand there is a typographical error in the tender website details. The correct tender website is https://mahatenders.gov.in . Please confirm on the same.	Modified Clause should be read as: The Contractors participating first time for e-Tenders on GoM e-tendering portal will have to complete the Online Registration Process for the e-Tendering portal. A link for enrollment of new bidders has been provided on https://mahatenders.gov.in

Sr.No.	Bidder Name	Clause No.	Page No.	Content of RFP Requiring clarification	Change Requested/ Clarification required	MPCB Response
29	Chemtrols Industries Private Limited	Volume – I: Section no. I Clause no. 4_ Instruction to the Bidder Sub-clause no. 4.6_Pre-Qualification Evaluation: PQ4_Project Experience	21	The Bidder must have experience in “similar works”* during last seven (07) years as on last date of submission of bid as per following details One (01) project worth at least INR. 60 Cr. OR Two (02) projects each costing not less than the amount equal to INR. 40 Cr. OR Three (03) projects each costing not less than the amount equal to INR. 30 Cr.	As per Tender clause no.4.6 Pre-Qualification Evaluation, PQ-2 Average Annual Turnover is only Rs.25 Crs and completion period of the contract execution is only 180 days. Hence the Rs.60 crs for single contract specified appears too high.Please review .	As per RFP Condition
30	Chemtrols Industries Private Limited	Volume – II Clause no. 10_Technical Specification for Continuous Real Time Ambient Air Quality Monitoring Stations Section II, point no. 1_Monitoring Station	163	Three nos. of 19” rack shall be installed inside the stations so that the analyzers shall be easily assessable from the front and the back for calibration & maintenance. Station furnishing: (i) 19” racks – 02 nos.	Please confirm if three nos. of 19” racks are required or 02 nos. of 19” racks are required.	RFP Condition prevail
31	Chemtrols Industries Private Limited	Volume – I: Section V: Clause no. 8 GCC Point no. 16 & Volume – I: Section VI: Clause no. 9 SCC Point no. 6.2	119 & 136	Equipment to be supplier from India: All the equipment shall be received at Continuous Ambient Air Quality Monitoring Station Sites within 120 days from the date of notification of award and are to be installed and commissioned within sixty (60) days from date of receipt at site	For all the equipment’s shall be received within 180 days from the date of notification of the award and are to be installed and commissioned within 90 days from the date if the receipt of the material at site. Please accept the same.	RFP Condition prevail


28/3/2018