



TELANGANA STATE POLLUTION CONTROL BOARD

ParyavaranaBhavan, A-3, Industrial Estate, Sanathnagar, Hyderabad – 500 018
Ph: 040-23887500

Tender Ref. No.942/TSPCB/LAB/CAAQMS/2020,

date: 24.12.2020

To
The Prospective bidders,

Sir,

Subject:	TSPCB-Air section- Tender call Notice for Identification of Agency for Operation & Maintenance of Continuous Ambient Air Quality Monitoring Station owned by Telangana State Pollution Control Board located in and around Hyderabad– Reg.
<p>Telangana State Pollution Control Board, Hyderabad invites the tender from reputed firms/agencies for Operation & Maintenance (O&M) of Continuous Ambient Air Quality Monitoring Station as per the details mentioned in the Annexure-I enclosed.</p> <p>Under O&M the Equipment have to be maintained with required up time, as specified in the tender. Interested agencies can participate in the tender by submitting their complete bid documents viz., Pre-Qualification bid containing Form-P1 to Form P-4 and un-priced Form P-5 (Acceptance of the equipment by the bidder), Technical Bid and Commercial Bid offering the O&M value.</p> <p>The details of CAAQMS for O&M are enclosed at Annexure-I</p>	
<p>Bid Document Fee : Rs. 5,000/- (DD shall be drawn in favour of The Member Secretary, TSPCB)</p> <p>TSPCB Contact person: jcestspcb@gmail.com, Mobile No.: 9177303234</p>	
<p><u>Tender Schedule :</u></p> <p>Schedule of Opening Date : 25/12/2020 Last date and time for Bid submission : 18/01/2021 03:00 PM Date & time for Opening of Bids : 18/01/2021 03:30 PM</p>	
1	Bids shall be submitted online on e-procurement portal " https://tender.eprocurement.gov.in " Bid should be valid at least for a period of 60 days from the date of bid opening
2	TSPCB reserves the right to accepting or rejecting any or all the bids without assigning any reasons thereof and to add, modify or delete any of the terms and conditions without any notice.
3	Conditional bids not acceptable and liable for rejection. Any deviations in format may make the quotation liable for rejection
4	Bidders has to quote for all the equipment. L-1 will be arrived based on the Lowest evaluated responsive Bidder.
5	No options will be accepted and liable for rejection. If the agency wants to give option/s, may submit the optional bid as separate bid along with Separate EMD. This will be treated as a separated bid for evaluation.
6	Persistent complaints relating to the improper service will be sufficient ground to reject the bid of a bidder and also to blacklist the bidder from participating in future tenders

7	<p style="text-align: center;"><u>SCHEDULE OF EARNEST MONEY DEPOSIT (EMD)</u></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%; text-align: center;">Instrument / Equipments for AMC</th> <th style="width: 30%; text-align: center;">EMD in Rs.</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Continuous ambient air quality monitoring station (CAAQMS)</td> <td style="text-align: center;">50,000.00</td> </tr> </tbody> </table> <p>Note (*): EMD: The vendor should submit Schedule wise EMD in the form of Demand Draft from any Nationalized/Scheduled bank in favour of The Member Secretary, TSPCB with a validity up to 90 days from the date of tender.</p> <p>EMD will be returned to unsuccessful bidders after issue of Purchase order to L1 bidder. The EMD of the successful bidder will be returned after submission of 10% value of Annual Maintenance Service in the form of Performance Bank Guarantee from any Nationalized Bank.</p>	Instrument / Equipments for AMC	EMD in Rs.	Continuous ambient air quality monitoring station (CAAQMS)	50,000.00
Instrument / Equipments for AMC	EMD in Rs.				
Continuous ambient air quality monitoring station (CAAQMS)	50,000.00				
8	<p>Eligibility Criteria: Only original Equipment Manufacturers / Bonafide firms / Agencies / Authorized dealers having experience in undertaking Annual Maintenance Services for the relevant equipment at least for a period of 3 years are eligible to submit their bid, interested bidders shall submit the documents in proof of the above.</p> <p>The bidder shall enclose all the relevant documents/certificates along with Technical Bid.</p> <ol style="list-style-type: none"> i. Proof of O&M of full CAAQMS station with 8 parameters along with meteorological parameter of the quantity mentioned in the tender in the last 5 financial years to any Pollution Control Boards / PCCs / Central / State Govt. / PSU. ii. The Original Equipment Manufacturer or the Authorized Service Agency must have Service Centre in the TELANGANA State with qualified staff. iii. The bidder must have rendered O&M Services at least for a period of five years for a minimum of five equipment in any of above said organizations. iv. Annual Turn Over certificate of the Agency certified by Chartered Accountant for each of the last Three financial years along with Valid income tax returns. v. Details of the firm or company in case of partnership firm. vi. Ink-signed certificates of authorized dealer / distributor / channel partner for supply of laboratory equipments on letter head of Original Equipment Manufacturers must be enclosed. Otherwise, the bids will be rejected. vii. Technical bid must be accompanied with Bid Security(EMD) which shall remain valid for a period of at least 90 days. viii. Details of the technical manpower available 				
9	<p><u>SUBMISSION OF BID</u></p> <p>The bid prepared by the bidder and all correspondence and documents relating to the bid exchanged by the bidder and the purchaser, shall be written in English language, provided that any printed literature furnished by the Bidder may be written in another language so long as accompanied by English translation of its pertinent passages in such case, for the purpose of interpretation of the bid, English translation shall govern.</p>				
10	<p>The Bidders are requested to quote Equipment wise CAMC price and total price of each item separately indicating the applicable service taxes at Locations as indicated in the Part-H of this document. The bidder is expected to examine the bidding documents carefully and are deemed to have received and read all documents. It shall be the responsibility of the bidder to request the copies of any missing documents and also clarifications if any, Failure to do so will be at bidders risks.</p>				
11	<p>It may be noted that mere quoting lowest rates will not entitle any firm to get the order.</p>				

	<ul style="list-style-type: none"> • Performance Bank Guarantee (PBG): The Successful L1 bidder should submit PBG for an amount of 10% of the offered AMC Value in favour of "The Member Secretary, Telangana State Pollution Control Board, Hyderabad" within 1 week from the date of issue of Notification of Award (NoA). The PBG should be valid for beyond 30 days beyond O&M Period. • Contract Agreement: After submission of PBG, the L1 bidder should enter into Annual Maintenance Contract Agreement with Telangana State Pollution Control Board, Hyderabad.
12	The service of the item being offered, the past experience / performance in the O&M of equipment / instrument will also be taken in to consideration. Prior to award of Work order TSPCB can call any details, explanation, regarding technical aspects.
13	Arithmetical error will be rectified on the following basis: If there is discrepancy between the unit price and total price that is obtained by the multiplying the Unit Price and quantity, the unit price shall prevail and the total price shall be corrected. If there is discrepancy between words and figures, the amount mentioned in words will prevail.
14	To assist in the examination, evaluation and comparison of bids the TSPCB may, at its discretion, ask the Bidder for a clarification of its bid. However, no change in the price or substance of their bid.
15	Eventual suggestions for modification or subsidiary Tenders are principally not admissible.
16	The terms and conditions are clearly mentioned in the document and the Bidders are requested to submit Bid only if their offer strictly comply with these conditions. Please note that no deviation in the required conditions will be permitted. The bidding for the instruments items having different conditions and terms will be on Bidder's risk as TSPCB will not entertain such Bids. Bids carrying the statement like "Terms and conditions as per tender document" shall not be entertained. The O&M letters issued by Labs/PCBs/ GOVT. Departments must be enclosed.
17	The placement of work order/purchase order will be according to technical evaluation of the Tender and after consideration of its price worthiness.
18	The price to be given in the Tender are fixed prices, irrespective of rise in Materials / spares prices and increase in taxes etc., till completion of the O&M period. No request in regard to increase in the price of taxes etc., will be entertained after the submission of the tender.
19	By submission of the bid, it is considered as the Bidder accepts all the terms & conditions of the Tender.
20	The service of the instruments is the entire responsibility of the bidder. It must be done either by the principal/supplier or their authorized agents within time lines of SLA. The supplier or Agent should be in touch with the respective Laboratory Section of the TSPCB to know the exact day of receipt of stores supplied/dispatched by them. The spares required for replacement as per the service report of the service engineer have to be supplied by the authorized supplier / dealer of the instrument for which the invoice has to be raised for release of payment by TSPCB.
21	The Bid shall be considered only for those instruments for which the AMC rates have been specifically quoted. The Board further reserves the right in accepting the Tender for all the instruments or some of the instruments for which the bidder has quoted the Bid.
22	The Annual Maintenance Services are to be provided on-site, at the premises of the above said laboratory/s by the Successful Bidder(Agency), manufacturer or authorized service provider. The instrument will not be sent to service providers service Center or office for repairs.

23	At any time prior to the deadline for submission of bids the TSPCB may for any reason whether at it's own initiative or in response to a clarification requested by a prospective Bidder, may modify the bidding documents by issuing an amendment, such amendment will be hosted in the website.
24.	The O&M prices must be quoted in Indian Rupees only giving the details of basic price, taxes, etc. The charges must be quoted clearly and not in vague terms like "As Actual" "Approx" etc.
25	The prices should be quoted FOR TSPCB/designated location mentioned in Part-H.

**GENERAL TERMS AND CONDITIONS OF THE TENDER AND
INSTRUCTIONS TO THE BIDDER**

1. The Bids will be received by the designated authority of TSPCB, Hyderabad, through open tender system as per the particulars given in the Tender Schedule in Technical and Financial bids.
2. Only those Bidders who are reputed **Manufacturers or their Authorized Dealers/Distributors** in the line and are in a position to complete the O&M **as per Terms & Conditions stipulated by Board shall participate.**
3. Rates should be quoted in figures and words clearly **INCLUSIVE OF ALL TAXES, DUTIES, DISCOUNTS**, if any etc.,
4. Any deposit pending with the Department in another connection cannot be adjusted for the present Tender.
5. Earnest Money Deposit amount as specified in the Tender Notification should be submitted **in the shape of Demand Draft** in favour of "the Member Secretary, TSPCB , Hyderabad" along with the tender schedule for each item separately.
6. The Government sponsored Institutions and registered **SSI** are exempted from the payment of Earnest Money Deposit provided they produce a Certificate from the concerned authorities to that effect, duly mentioning the product for which quoted.
7. Except the Government organizations/NSIC certificate holders, all other SSI units located outside the Telangana State should attach EMD along with tender.
8. **Quantity:** The requirement is given in the Tender Schedule Part-B. But, it must be clearly understood that the demand may fluctuate and no definite quantity can be guaranteed. The essence of the contract is price per article for the contract period stipulated. TSPCB reserves to himself the right to invite fresh Bids and to place orders against any quantity of any item in this Tender without specifying any reasons thereof.
9. **No advance payment will be made against O&M work order, but payment as specified will be made only after submission of proper claim.**

Process for Bid Submission:

10. The Bidders shall submit their response through Bid submission to the tender on eProcurement platform at www.eprocurement.gov.in by following the procedure given below. The Bidders would be required to register on the e-procurement market place www.eprocurement.gov.in or <https://tender.eprocurement.gov.in> and submit their bids online. Offline bids shall not be entertained by the Tender Inviting Authority for the tenders published in eProcurement platform. The Bidders shall submit their eligibility and qualification details, Technical bid, Financial bid etc., in the online standard formats displayed in eProcurement web site. The Bidders shall upload the scanned copies of all the relevant certificates, documents etc., in support of their eligibility criteria/technical bids and other certificates/documents in the eProcurement web site. The Bidders shall sign on the statements, documents, certificates, uploaded by them, owning responsibility for their correctness/authenticity. The Bidders shall attach all the required documents for the specific tender after uploading the same during the bid submission as per the Tender Notice and Bid Document.

a) Registration with eProcurement platform:

For registration and online bid submission Bidders may contact HELP DESK of M/s.

Vayam Technologies or <https://tender.eprocurement.gov.in>.

b) Digital Certificate Authentication:

The Bidders shall authenticate the bid with their Digital Certificates for submitting the bid electronically on eProcurement platform and the bids not authenticated by digital certificate of the Bidders will not be accepted on the eProcurement platform.

c) Submission of Hard Copies:

After submission of bid online, the Bidders are requested to submit the originals of DD/BG towards EMD, bid processing fee to the Tender Inviting Authority before opening of the price bid and other uploaded documents at the time of concluding agreement. The Bidders shall invariably furnish the original DD/BG to the Tender Inviting Authority before opening of price bid either personally or through courier or by post and the receipt of the same within the stipulated time shall be the responsibility of Bidders. The department shall not take any responsibility for any delay or non-receipt. If any of the documents furnished by the Bidders are found to be false/fabricated/bogus, such Bidders are liable for blacklisting, forfeiture of the EMD, cancellation of work and criminal prosecution.

The Bidders are requested to get a confirmed acknowledgement from the Tender Inviting Authority as a proof of submission of Hardcopies to avoid any discrepancy. The Bidders have to attach the required documents after uploading the same as required by Tender Inviting Authority in the tender conditions.

d) Payment Of Transaction Fee:

It is mandatory for all the participant Bidders from 1st January 2006 to electronically pay a Non-Refundable Transaction fee to M/s.TSTS, the service provider through "Payment Gateway Service on E-Procurement platform". The Electronic Payment Gateway accepts all Master and Visa Credit Cards issued by any Bank and Direct Debit Facility/Net Banking of ICICI Bank, HDFC, Axis Bank to facilitate the transaction. This is in compliance of G.O. Ms. 13, dated:07.05.2006. A service tax of 12.36% + Bank Charges on the transaction amount payable to TSTS shall be applicable.

e) Corpus Fund:

As per GO Ms No. 4, User Departments shall collect 0.04% of ECV (estimated contract value) with a cap of Rs. 10,000 (Rupees Ten Thousand only) for all works with ECV upto Rs. 50 crores and Rs.25,000/- (Rupees twenty five thousand only) for works with ECV above Rs.50 crores, from successful Bidders on eProcurement platform before entering into agreement / issue of purchase orders, towards eProcurement fund in favour of the Managing Director, TSTS. There shall not be any charge towards eProcurement fund in case of works, goods and services with ECV less than and upto Rs.10Lakhs.

f) Tender Document:

The Bidders are requested to download the Tender Document and read all the terms and conditions mentioned in the Tender Document and seek clarification, if any, from the Tender Inviting Authority. Any offline bid submission clause in the tender document could be neglected. The Bidders have to keep track of any changes by viewing the Addenda / Corrigenda issued by the Tender Inviting Authority from time-to-time, in the eProcurement platform.

g) Bid Submission Acknowledgement:

The Bidders shall complete all the processes and steps required for Bid submission. The system will generate an acknowledgement with a unique bid submission number after completing all the prescribed steps and processes by the Bidders. Users may also note that the bids for which an acknowledgement is not generated by the

eProcurement system are treated as invalid or not saved in the system. Such invalid bids are not considered for processing the bids. The Telangana State Pollution Control Board is not responsible for incomplete bid submission by users.

HOW TO APPLY:

- Click at www.eprocurement.gov.in or <https://tender.eprocurement.gov.in> to download e-Procurement notification.
- Read the complete document, carefully.
- Price Bid shall be submitted online only.
- The system will generate an acknowledgement with a unique offer submission number on successful completion of the above process.

For any help or technical support on e-Procurement, Bidders may contact M/s.Vayam Technologies Ltd., over phone or in person or their helpdesk at:

e-Procurement Help Desk
M/s.Vayam Technologies Limited,
Plot No.107, 1st Floor, Lumbini Enclave, Opp: NIMS Hospital,
Near Hotel Urvasi , Punjagutta, Hyderabad-500082,
TELANGANA, INDIA
Ph: +91-40-44426250/51
Fax: +91-40-44426252
E-Mail: helpdesk.eproc@vayamtech.com

11. **The Bidders must produce the following documents pertaining to the Firm and not the name of individuals, with the Tender**
- i. Manufacturer Certificate/Authorized dealer certificate as applicable
 - ii. Company/Firm Registration Certificate.
 - iii. Proof showing authorized dealership with date(s) validity etc.,
 - iv. Income Tax return for the last three years for the assessment year of 2017-18, 2018-19, 2019-20.
 - v. SSI Certificate, if applicable.
 - vi. NSIC Certificate, if applicable
 - vii. EMD Demand Draft separately for each schedule.
 - viii. Details of minimum turnover may be specified.
 - ix. Certificates/Orders. Reg. Previous performance
 - x. Purchase Orders regarding similar items supplied elsewhere together with satisfactory certificate
- 12 The Member Secretary, TSPCB reserves to himself the right to reject any Bid/s, which does not comply with the conditions.
- 13 If the Bidder fails to attend and fulfill the obligations of the O&M within the period prescribed for such work order, the Member Secretary, TSPCB, Hyderabad shall be entitled at his discretion to the action as under:
- a Should the bidder fail to attend, the extension of period for O&M is purely at the disc of The Member Secretary, TSPCB, Hyderabad.
 - B To cancel the contract or portion thereof and if so desired to attend O&M for the i equipment at the risk and cost of the contractor, or

C To forfeit the Earnest Money Deposit and/or Security Deposit (PBG @10% of bid value) to the extent of the loss incurred by TSPCB.

In the event of action being taken under (a), (b), and (c) above the bidder shall be liable for any loss which the TSPCB may sustain on that account but the bidder shall not be entitled to any gain on O&M agreement made against default.

- 14 The Member Secretary, TSPCB, Hyderabad reserves the right to place order on the successful bidder for additional quantity at the rates quoted.
- 15 The Member Secretary, TSPCB, Hyderabad reserves the right to place order on the next higher successful Firms if the Firm quoting lower rates do not meet the whole demand due to his limited capacity/Monitory limit/Offer etc.
- 16 Bidders without E.M.D. or S.S.I. registration certificate will be rejected at the time of opening of tenders. A valid SSI certificate giving details of items of manufacture along with proof of address of the Firm should be submitted with the tender schedule.
- 17 Bidders quoting for the above items should have minimum 3 years of experience in the supply and AMC of the items and produce latest authorization certificate.
- 18 Failure to abide by any of the conditions stated above, will result in the Bid being rejected without notice.

SPECIAL TERMS & CONDITIONS:

1. The rates shall be inclusive of all taxes and other costs for O&M at Hyderabad / any other location as specified.
2. The rates shall be inclusive of all taxes applicable taking into consideration the terms and conditions as specified in the Tender Document. However, while submitting bills for payment, taxes should be shown separately.
3. The bill of cost should be submitted in triplicate to this office duly showing the tax component separately for arranging necessary payment.
4. If any dispute arises as to the conditions of AMC agreement stated, the opinion of the Member Secretary, TSPCB, Hyderabad shall be final and he shall not be required to give any reason in writing for rejection of the supplies to that effect.
5. Remittance of the bills will be at the cost of the bidder.
6. In case of any breach of contract, Terms of Agreement and Work Order and its conditions, the decision of the Member Secretary, TSPCB, is final and binding on the bidder.
7. Payment will be made by the Board office for O&M agreements. If remittances are required by Demand Draft, they will be made at cost of bidder.
8. The contract or any part of it shall not to be transferred or assigned by the bidder directly or indirectly to any other agencies whom-so-ever without the written consent of the Member Secretary, TSPCB, Hyderabad.
9. In the case of partnership Firm, the Firm should submit a copy of the partnership deed duly attested by a Scheduled Bank or a Gazetted Officer. The Firm should also indicate the names of their partners to receive payments of bills from this office.
- 10 Bidders should submit the required documents as mentioned above.
- 11 In case of any dispute, the matter can be referred to competent Court at Hyderabad city only and not anywhere else.

12 **The contract shall be for a period of 3 year initially, can be extendable for one or two years by the Telangana State Pollution Control Board based on satisfactory services by the agency.**

13 AMC can be terminated by the Telangana State Pollution Control Board without assigning any reason with 1 month notice.

14 The Telangana State Pollution Control Board is the sole arbitrator in case of any failure by the agency to perform any of its obligation under or arising out of this agreement. All disputes, differences and questions whatsoever which may arise between the parties here to during the continuance of the agreement the Telangana State Pollution Control Board will have option to terminate the agreement or impose fine.

15 **In case that the parts/Equipment to be repaired or replaced are not available, vendor may use equal or higher models with the approval of the Telangana State Pollution Control Board. All compatibility issues are the responsibility of agency.**

16 The O&M of the Equipment should cover all parts of the Equipment including Cables, **so as to keep the instrument in working condition including to undertake calibration.**

17 All items have to be accepted for AMC on "As is condition"

18 The O&M should be quoted for each Equipment/Instrument separately

Annexure – I**Terms and Conditions****1.0 Upgradation of Technology:**

The Agency should constantly keep inform the Telangana State Pollution Control Board, Hyderabad., about the technological updates for improving the services performance.

2.0 Maintenance Services:

This category includes all the Equipment and other peripherals. The services consisting of Preventive Maintenance and Corrective Maintenance and include carrying out the necessary repairs and replacement of parts.

2.1 Run time:

The run time for the Equipments will be continuous.

The detailed inventory can be listed out by the successful bidder while entering the Contact Agreement with Telangana State Pollution Control Board, Hyderabad.

i) Down Time: Down Time is defined as the time for which the Equipments and or services running on it are said to be not available to the users in part or full due to any repairs/problems etc. The penalty will be counted from the time problem is reported to Facilitator till problem is solved / rectified to the satisfaction of user. Penalty shall be applicable once the admissible down time is crossed. The admissible down time is as follows:

ii) Maximum Down Time and Penalty:

Item	Penalty beyond down time per day per item	
CAAQMS	15 days per Year other than the scheduled maintenance and not more than 4 continuous days Down time will be calculated from the date and hours of last function to the date and hours of restoration	Rs. 3000/- per day after four continuous non-working and after every additional day after the exhaustion of 15 days in a year

2.1 The Agency shall provide Operation and Maintenance service for both categories as follows:

- i. Preventive maintenance and carrying out the necessary repairs and fittings of replacement parts wherever applicable. Preventive maintenance shall not be attended during run time. However Preventive Maintenance which does not effect normal operation can be attended during run time. Preventive Maintenance shall be carried out on quarterly basis **wherever applicable**.
- ii. The Facilitator is required to maintain the adequate stocks of spares to meet the requirements. The Dept. reserves the right to verify the stocks at any point of time. In case that the parts/equipment to be repaired or replaced are not available, agency may use equal or higher with the approval of Telangana State Pollution Control Board. All compatibility issues are the responsibility of the agency.
- iii. Wherever a component has to be replaced, it shall be replaced with a component of the same make and configuration. In case the component of same make and configuration is not available for any reason, the replacement shall conform to open

standards and shall be of a higher configuration specifically approved by the Telangana State Pollution Control Board.

- iv. The agency, may if so advised technically, get a dysfunctional hardware component repaired in lieu of its replacement, subject to ensuring the overall compliance of the requirement of up time.
- v. The Agency shall ensure that all the replacements and components used in the process of restoring Laboratory Instruments/Equipment are genuine and original.
- vi. The O&M for the Equipments should cover all parts of the Equipments required for optimal performance of the equipment.

2.2 Co-ordination:

The agency shall replace the defective parts/items of Equipment covered under maintenance contract and it is the responsibility of agency to ensure required uptime.

2.3 Contract Period

The contract period shall be initially for a period of 3 year. The Telangana State Pollution Control Board is having authority to extend the contract period further one or two years based on the willingness of **service providers with same AMC charges** and performance of the agency during the contract period.

2.4 Payment

Payment will be made to the Agency at the **end of half year** by the Telangana State Pollution Control Board on submission of claim along with all the records duly deducting the penalties and deductions for non-operation period (no pay for no work) if any.

2.5 Termination of the Contract

The Telangana State Pollution Control Board is the sole arbitrator in case of failure by the vendor to perform any of its obligation under or arising out of the agreement. All disputes, differences and questions what so ever which may arise between the parties here to during the continuance of the agreement the Telangana State Pollution Control Board will have option to terminate the agreement or impose penalty. Failure to provide satisfactory services by the agency during the maintenance period, AMC can be terminated by the Telangana State Pollution Control Board without assigning any reasons with one month notice.

3.0. The tender related items are as follows:

Item	Description
Bid validity period	90 days from the bid opening date
Submission of Performance Bank Guarantee	7 days
Period for signing contract	7 days
Contract Period	3 year from the date of agreement
Payment terms	Half Yearly

3.1 Tender Evaluation Process:

All the prospective bidders shall submit Pre-Qualification bid containing Form-P1 to Form P-5, EMD and other required documents and certificates as per tender document, Technical Bid and un-priced Form F-1 (Acceptance of the equipment by the bidder) and other financial forms(F-2B and C) and upload in e-procurement portal. The documents uploaded and

available in e-procurement portal will be downloaded for evaluation for conformity with Pre-qualification and Technical evaluation criteria as specified in the tender document.

3.1.1 Commercial Bids evaluation:

The commercial bids of only those bidders will be opened whose bids are qualified at Pre-Qualification and Technical stages for further evaluation. The Lowest Quoted(L1) bidder will be the successful bidder. The Successful bidder should enter in to agreement with Telangana State Pollution Control Board, Hyderabad as per terms & conditions of Tender document.

LIQUIDATED DAMAGES: In case the Firm / agency does not fulfill the AMC conditions within the AMC period, liquidated damages will be charged @ 5% of the total work order of items ordered on the Bidder and if required, action will be taken against the Firm to Blacklist it and also for forfeiture of its Security Deposit / EMD.

SETTLEMENT OF DISPUTE, ARBITRATION

1. All disputes or difference arising out of or in connection with the contract for O&M assigned under the same (whether during the progress of the works or after their completion, determination, abandonment or breach of the contract) shall be settled in accordance with the Arbitration and Conciliation Act, 1996. The Arbitral Tribunal shall consists of three (3) arbitrators appointed by the Member Secretary, Telangana State Pollution Control Board. The arbitrators shall elect an umpire among them. In case of failure of the two arbitrator appointed, to reach upon a consensus, the decision of the umpire shall be final and binding. It will not be an objection to any such appointment that the arbitrators are the Government Servants and had any interest in the Board or the contract entered into directly or indirectly. In all cases, the arbitrator shall state their reasons, award/decision in writing of an amount of claim in dispute is Rs.50,000/- and above, subject as aforesaid the provision of the Arbitration and Conciliation Act 1996 or any statutory modification or re-enactment thereof and the rules made there under and for the time being in force shall apply to the arbitration proceedings under this clause. Arbitration proceeding shall be held at Hyderabad, India. The Cost and expenses of Arbitration proceedings shall be borne by the party invoking the Arbitration clause.
2. It is a term of the contract that the party invoking the arbitration shall specify the dispute for disputes to be referred to the arbitration under this clause together with the amount or amount claimed in respect of each such dispute.
3. It is also a term of the contract that if the supplier (s) do not make any demand for arbitration in respect of any claim (s) or dispute in writing within 90 days of submission of the final bill for payment, the claim of the supplier will be deemed to have been waived and absolutely barred and the Board will be discharged and released of all liabilities under the contract in respect of these claims.

4. Laws and regulations:

The courts at Hyderabad shall have exclusive jurisdiction to entertain and try all matters arising out of this contract.

5. FORCE MAJEURE

Vendor shall not be considered in default if delay in delivery occurs due to causes beyond his control such as acts of God, natural calamities, civil, wars, strikes, fire frost, floods, riots and acts of usurped power. Only those causes which have a duration of more than 7 calendar days shall be considered cause of force majeure. A notification to this effect duly certified by the Local Chamber of Commerce/Statutory Authorities shall be given by the Vendor to the owner by registered letter. In the

event of delay due to such cases a length of time equal to the period of force majeure or at the option of the owner the order may be cancelled. Such cancellation would be without any liability whatsoever on the part of owner. In the event of such cancellation the vendor shall refund any amount advanced or period to the vendor by the Purchaser and delivery back any material issued to him by the Purchaser and release facilities, if any, provided by the Purchaser.

IMPORTANT INSTRUCTIONS

- 1.** Bidders who are past AMC service holders of the item as per T/E Specification should submit their performance statement in enclosed Proforma. In case, it is found that information furnished is incomplete or incorrect, their tender will be liable to be ignored.
- 2. GOVT. POLICY:** The purchaser reserves the option to give a purchase/price preference to offers from the public sector units and / or from other Firms in accordance with the policies of the Govt. from time to time.

PART – I
QUESTIONNAIRE – 1

[Please Mark ✓ in appropriate Box and fill the answer correctly. Bidders leaving the box unmarked and questionnaire unanswered shall be rejected]

1. Name and address of Manufacturer

2. a. Proof of Manufacturing
 b. Proof of Authorized Dealer and also the proof of the original Manufacturer
 c. Manufacturing capacity in volume and in Rs. lakhs per annum
 d. Turnover of last three years with proof
 e. Purchaser order copy and satisfaction report

3. a. Whether registered as SSI/NSIC (copy of certificate) YES NO
- b. If yes, Monetary limit [Enclose Photocopy of Regn. Certificate] [Lakh] [Without Limit]
- c. Validity Date

4. Terms of delivery : **Free delivery at consignee's**

YES No

5. a) Delivery period in 30 days from date of placement of order

b) Quantity Offered

6. a. Whether instruments fully conforms to tender schedule specifications in all respects. YES NO

b. If answer to 6 [a] is No, indicate the details of deviation in separate sheet. Deviation statement of technical evaluation must be enclosed.

7. Have you enclosed required **EMD** YES NO

8. Do you accept the liquidated damage clause YES NO

9. a. Do you accept the Security Deposit and Performance Guarantee Deposit clause? YES NO

b. Did you enclose the above YES NO

Signature of the Bidder _____

Name in Block Letters _____

Capacity in which Tender signed _____

Full Address _____

PART – II
QUESTIONNAIRE -2

BIDDERS SHOULD FURNISH SPECIFIC ANSWERS TO ALL THE QUESTIONS GIVEN BELOW. BIDDERS MAY PLEASE NOTE THAT IF THE ANSWER SO FURNISHED ARE NOT CLEAR AND /OR ARE EVASIVE, THE TENDER WILL BE LIABLE TO BE IGNORED

1. Tender No. _____
2. Make & model of the instrument :
3. Name and address of manufacturer :
4. Station of manufacture :
5. Please confirm that you have offered packing as per tender enquiry requirements if not indicate deviations. :
6. What is your permanent Income Tax A/C No.? :
7. Status.
 - a) Indicate whether you are SSI/NSIC :
 - b) Are you registered with DGS&D for the item quoted? :
 - c) If you are a small scale unit registered with SSI/NSIC under Single Point Registration scheme, whether there is any monetary limit. :
 - d) In case you are registered with SSI/NSIC under Single Point Registration Scheme for the item quoted confirm whether you have attached a photocopy of the registration certificate indicating the items for which you are registered. :
8.
 - a) If you are not registered either with SSI/NSIC or with DGS&D, please state whether you are registered with Directorate of Industries of State Government concerned. :
 - b) If so, confirm whether you have attached a copy of the certificate issued by Director of Industry :
9. Please indicate name & full address of your Banker :
 - [a] Name & Address of Bank**
 - [b] Accounts No. [Core Banking]**
 - [c] IFSC Code**
 - [d] MICR Code**
 - [e] Whether Bank branch is NEFT/RTGS**

enabled or not

10. Business name and constitution of the firm :
 Is the Firm registered under :-
 i. The Indian Companies Act 1956.
 ii. The Indian Partnership Act 1932
 [Please also give name of partners.
 iii Any Act; if not, who are the owners.
 . [Please give full names and address]

11. Whether the tendering Firm is/are:-
 1. Manufacturer :
 2. Manufacturer’s Authorized Dealers. :

N.B *If manufacturer’s / authorized dealers please enclose with tender the copy of manufacturer’s authorization on properly stamped paper, duly attested by a Notary Public.*

Signature of the Bidder

12. If instruments / equipment offered are manufactured in :
 India, please state whether all raw materials components
 etc. used in their manufacture are also produced in India.
 If not give details of materials components etc, that are
 imported and their break up of the indigenous and
 imported components together with their value and
 proportion it bears to the total value.

- 13 Here state specifically, :
1. Whether the price tendered by you is to the best of
 your knowledge and belief, not more than the price
 usually charged by you for instruments / equipment of
 same nature/class or description to any private purchaser
 either foreign of as well as Govt. purchaser. It not state
 the reasons thereof. If any, also indicate the margin of
 difference.
2. In respect of indigenous items for which there is a :
 controlled price fixed by law, the price quoted shall not be
 higher than the controlled price and if the price quoted
 exceeds the controlled price the reasons thereof should be
 stated.

Date:

Signature of Bidder & Stamp

<p>Signature of Witness</p> <hr style="width: 80%; margin-left: 0;"/>	<p>Signature of Bidder</p> <hr style="width: 80%; margin-left: 0;"/>
---	--

	<p><i>[Full Name and address of witness in Block letters]</i></p>	<p><i>[Full Name and address of the persons signing in Block letters]</i></p> <p><i>Whether signing as Proprietor / Partner / Constituted Attorney / duly authorized by the Company.</i></p>
--	---	--

PART - III**Check list for Bidders/Suggestive**

(Bidders should check following requirements for compliance before submission of the bid)

Sl. No.	Requirements to be checked by the Bidders before submission of the tender.	Compliance (To be indicated by the tenderer with "YES" after compliance of the requirements)
1.	Bidders should mention quantity for which they have quoted. This should be mentioned in the covering/ forwarding letter head of the technical bid.	
2.	Whether Bidder deposited required Earnest Money Deposit	
3.	Bidders should confirm that their equipment/products conform to the governing specifications of the quoted instrument / equipment as per Tender Enquiry.	
4.	Bidders should mention their manufacturing/supplying capacity.	
5.	Bidders should mention in the Tender Enquiry that they accept our delivery terms i.e. they agree to supply spares of instrument / equipment at consignees' locations at freight, risk and cost of the Bidders.	
6.	Bidders should mention that their offer is valid up to 180 days from the date of opening of the tender.	
7.	Bidders should mention their Delivery Period clearly.	
8.	Bidders should give their past performance in the specified format given in the Tender Document	
9.	Bidders should mention that they agree to the Arbitration clause of the Tender Enquiry.	
10.	Bidders should mention whether it is a manufacturer of the instrument / equipment quoted or it is the manufacturer's authorized agent. In case of agent, it should submit valid authority letter(s) of their Principal(s) for they have quoted.	
11.	Bidders should mention that Business dealing with their Firms has not been banned by any Govt/Private agencies.	
12.	Bidders should ensure that witness has signed at appropriate places of the Tender documents and full name and address of the witness has been mentioned clearly.	
13.	Bidder should ensure to sign each page of the Tender documents with name, designation, seal and address of the signatory.	
14.	Bidders should mention their address for communication with Telephone and Fax Number.	

16.		
i.	Manufacturer Certificate/Authorized dealer certificate if applicable.	
ii.	Company/Firm Registration Certificate.	
iii.	Proof showing manufacturing of tender stores.	
iv.	Proof showing authorized dealership with date(s) validity ect.,	
v.	Income Tax return for the last three years for the assessment year of 2014-15, 2015-16, 2016-17.	
vii.	SSI Certificate, if applicable.	
viii.	NSIC Certificate, if applicable.	
ix.	EMD Demand Draft.	
x.	Please see para 12(ix) for details of minimum requirement:	
	Name of the Item	Average turnover for the last 3 financial years of the present business
xi.	Certificates/Orders. Reg. Previous performance	
xii.	Purchase Orders regarding similar items supplied elsewhere together with satisfactory certificate.	
xiii.	Samples.	

Date:

Signature of Bidder & Stamp

PART - IV

TECHNICAL EVALUATION FORMAT

Detailed comparison statement for each technical specification and deviation statement for Part-G must be enclosed for technical evaluation

Sl. No.	Specification	Requirement	Bidder’s response (Bidder shall indicate “Complied” or “Non-Complied” as applicable in each row. In case of “Non-complied”, details shall be mentioned)

Note: Please attach relevant support documents / brochures for verification.

Date Stamp

Signature of Bidder &

Formats for Bidding
Bid Letter Form
(To be submitted in TQ bid)

From:
(Registered name and address of the bidder)

To:
The Member Secretary,
Telangana State Pollution Control Board,
A-3, I.E., sanath Nagar
Hyderabad – 500018, Telangana, India,

Sir,
Having examined the bidding documents and amendments there on, we the undersigned, offer to provide services/execute the works including supply, delivery installation of hardware, firm wares and software as the case may be, in conformity with the terms and conditions of the bidding document and amendments there on, for the following project in response to your tender call no & dated
Project Title: _____

We undertake to provide services/execute the above project or its part assigned to us in conformity with the said bidding documents for an amount quoted in financial bid accordance with the schedule of prices attached herewith and coverage options made by TSPCB.

If our bid is accepted, we undertake to;

- a. provide services/execute the work according to the time schedule specified in the bid document,
- b. obtain the performance guarantee of a bank in accordance with bid requirements for the due performance of the contract, and
- c. agree to abide by the bid conditions, including pre-bid meeting minutes/Corrigendum if any, which remain binding upon us during the entire bid validity period and bid may be accepted any time before the expiration of bid validity period.

We understand that you are not bound to accept the lowest or any bid you may receive, nor to give any reason for the rejection of any bid and that you will not defray any expenses incurred by us in bidding.

Date &Place:
&Stamp

Signature of Bidder

Form P1**General Information of the Bidder**

Sl.No	Description	Supporting Documents with page nos.
1	Name of the Company/ Firm	
2	Date of Incorporation (Registration Number & Registering Authority) VAT No., CST No., PAN No.	
3	Legal Status of the Company in India & Nature of Business in India	Public Ltd Company/ Private/ Partnership firm
4	Address of the Registered Office in India	
5	Name & e-mail id, phone number, fax of the Contact Person	Phone: Fax: Email
6	Web-Site	
7	Financial Turnover in last 3 years (Rs.)	FY 2018-19: FY 2017-18: FY 2016-17:
8	EMD details	Amount: DD No. & Date Name of the Bank: Valid up to :
9	Proof of purchase of Tender document	Receipt No: Date of purchase:

Date:**Signature of Bidder & Stamp**

Form P2

Details of Service Centers in Telangana State
(To be submitted in TQ bid)

S.No	District	Full Address of service center	Contact person with phone No.	No. of support engineers and their details : Name, Qualification and Experience
A	B	C	D	E
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				

Date:

Signature of Bidder & Stamp

Form P3

Declaration Regarding Clean Track Record

(To be submitted with TQ bid)

To

The Member Secretary,
Telangana State Pollution Control Board,
A-3, IE, sanath Ngar

Hyderabad 500063

Sir,

I have carefully gone through the Terms & Conditions contained in the Tender Document [Tender Ref. No. _____]. I hereby declare that my company has not been debarred/ black listed as on Bid calling date by any Central or State Government / Quasi Government Departments or Organizations in India for non-satisfactory past performance, corrupt, fraudulent or any other unethical business practices. I further certify that I am competent officer in my company to make this declaration.

Yours faithfully,

(Signature of the Bidder)

Name & Designation

Seal

Date

Business Address:

Form P4-Details of Past Project Experience

Description of Item	Details
Name of the Client Department	
Contact address & details of the department	
Value of the Project Rs.	
Items supplied in the project/Scope of Work	
Date of Start of Work (DD/MM/YY)	
Date of Completion of Work (DD/MM/YY)	
Identified bidder should submit any of the following: i. PO / Work order ii. Work completion certificates / Performance Certificate from client dept. duly signed by the authorized signatory from the Client end.	
Enclosures submitted: Yes / No	

Place:
Date :

Bidder's signature
and seal.

AMC PERFORMANCE STATEMENT FOR LAST FIVE YEARS

Name of Firm: _____

1. a. Contact Nos./ Purchase Order :
b. Name of the buyer :

2. Description of lab equipment
/ other items under AMC :

3. AMC agreements existing :

4. Value (in Rupees lakhs) :

5. Reasons for Delay in execution
(if any) :

6. Satisfaction report from the end user
enclosed or not? :

Date

Signature of Bidder & Stamp

Part-C

Form F -1
Commercial Bid

Item Description	Qty .	Weather O&M price per station including all Taxes per unit per year was uploaded in e-bid (yes / No)
<i>Continuous ambient air quality monitoring station (CAAQMS)</i>	5	

Date:

Signature of Bidder & Stamp

Financial Bid Format
Form F2 Commercial Proposal Form

[Location, Date]

To:
The Member Secretary,
Telangana State Pollution Control Board,
Hyderabad.

Dear Sir:

We, the undersigned, offer to provide the for [Insert title of Assignment] in accordance with your Invitation for Tender dated [Insert Date], and our Technical Proposal.

Our attached Financial Proposal is for the sum of [*Insert amount(s) in words and figures*].

This amount is inclusive of the Domestic taxes such as ----- (*Indicate the amounts against each*).

We hereby confirm that the financial proposal is unconditional and we acknowledge that any condition attached to financial proposal shall result in reject of our financial proposal.

Our Financial Proposal shall be binding upon us subject to the modifications resulting from Contract negotiations, up to expiration of the validity period of the Proposal.

We understand you are not bound to accept any Proposal you receive.

We remain,

Yours sincerely,

Financial Break-up of the price with Authorised Signatory

Form – F2B

Detailed Cost Breakup for Operations & Maintenance of each CAAQMS Station

#	Description	1 st year Charges	2 nd year Charges	3 rd year Charges
1.	Man power cost <i>(total manpower proposed to be indicated in TQ bid)</i>			
2.	Electricity Charges			
3.	Internet charges			
4.	Calibration gases			
5.	Any other			
	Total			

Signature of Bidder & Stamp

The prices are not subject to change during the period of the contract except for the taxes as per the prevailing rates.

Form – F2C**Operations, Maintenance and Comprehensive Annual Maintenance Cost of CAAQMS Station**

S/.no	Year	Service charges (70%) for O & M in Rs. (as per Form F2B(i))	Cost of incidental charges (30%) including spares & consumables for O&M and other items in Rs. (as per Form F2B) (the list of proposed spares and consumables with rates to be attached as a separate sheet)	Total Charges for the year (Rs.)
<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>e=(c+d)</i>
1.	<i>1st year</i>			
2.	<i>2nd Year</i>			
3.	<i>3rd Year</i>			
	Grand Total			

PART-G**Location of Instruments/Equipments & terms and conditions for AMC**

Instrument / Equipment details	Location of the instruments	AMC conditions
<p>Continuous ambient air quality monitoring station (CAAQMS) - 5</p> <p>Annex-1 for HCU, Zoo Park, Pashamylaram CAAQMS stations</p> <p>Annex-2 for Sanathnagar and Punjagutta CAAQMS</p> <p>Four are working and the 5th one is under re-installation</p>	<p>HCU-1, Zoopark-1, BO, Sanathnagar-1, Pashamylaram-1 Punjagutta-1</p>	<p>Maintenance of CAAQMS station as per guidelines stipulated by CPCB including calibration of all the analysers. Data uploading to server of TSPCB or any other, replacement / refilling of gases required for operation and maintenance of CAAQMS stations. Replacement of normal spares other than analysers required for operation and maintenance of stations.</p> <ul style="list-style-type: none"> - GSM/GPRS charges -Electronic Display Boards - Static IP leased line -Electricity -UPS, Batteries, ACs and other appurtenances including the safety and insurance for the station <p>Full details as per the contract agreement</p>

PART – H**LOCATION OF INSTRUMENTS/EQUIPMENTS**

Instrument / Equipments for AMC	Make / Model	Location of the instruments
<p>Continuous ambient air quality monitoring station (CAAQMS)</p>	<p>Annex-1 for HCU, Zoo Park, Pashamylaram CAAQMS stations</p> <p>Annex-2 for Sanathnagar and Punjagutta CAAQMS stations</p>	<p>HCU-1, Zoopark-1, BO, Sanathnagar-1, Pashamylaram-1 Punjagutta-1</p>

Annexure – 1

Details of analysers available at CAAQMS stations of HCU, Zoo Park, Pashamylaram procured in the year 2012.

S.No.	Description of analyzer	Make	Model / Serial No.	Qty. in Nos.
1	PM10	Ecotech	Spirant 1000	3
2	PM2.5	Ecotech	Spirant 1100	3
3	SO2 Analyser	Ecotech	Serinus 50	3
4	NOx / NH3 Analyser	Ecotech	Serinus 44	3
5	CO Analyser	Ecotech	Serinus 30	3
6	O3 Analyser	Ecotech	Serinus 10	3
7	BTEX Analyser	Synspec	GC 955	3
8	GasCal+Zero Air Generator	Ecotech	GasCal 1100, 8301LC	3 sets
9	Data Logger + software	Ecotech	WinAQMS	3
10	Termination panel	Ecotech	9400-TPIM	3
11	AT / RH	Envirotech	Rt10	3
12	WS	Envirotech	WS10	3
13	Wind direction	Envirotech	WD10	3
14	Solar radiation	Envirotech	LI200SA	3
15	Barometric pressure	Envirotech	090D	3
16	Rain Fall	Envirotech	RF10	3
17	Vertical wind speed	RM Young	27106	3
	Accessories:			
18	Nitrogen cylinder	Alchemie gases	NIST Traceable	3
19	NH3 Cylinder	Alchemie gases	NIST Traceable	3
20	Calibration gas cylinder	Alchemie gases	NIST Traceable	3
21	Air conditioners	Voltas	245DY	6
22	UPS-10KVA	Emerson	401D	3
23	Inverter	Su-kam	5KVA/96VDC	3

Annexure – 2

Details of analysers available at CAAQMS stations of Sanathnagar and Punjagutta procured in the year 2005.

S.No.	Description of analyzer	Make	Model	Qty. in Nos.
1	CO Analyser	Ecotech Pty. Ltd., Australia	EC 9830 B	1
2	SO2 Analyser	Ecotech Pty. Ltd., Australia	EC 9850 B	1
3	NO / NOx / NO2 Analyser	Ecotech Pty. Ltd., Australia	EC 9841 B	1
4	Ozone analyzer	Ecotech Pty. Ltd., Australia	EC 9810 B	1
5	SPM Analyser	Verewa (Durag group)	F 701-20	1
6	BTX Analyser	Synspec bv., Netherlands	GC 955-600	1
7	Multi calibration system	Ecotech Pty. Ltd., Australia	Gas cal 1000	1
8	Met sensors			
	a) Wind speed sensors	Met One, USA	010 C	1
	b) Vertical wind speed sensor	Met One, USA	012 C	1
	c) Wind direction sensor	Met One, USA	020 C	1
	d) Air temp sensor	Vaisala, Finland	HMP 45A	1
	e) Relative humidity	Vaisala, Finland	HMP 45A	1
	f) Barometric pressure	Met One, USA	090 D 091	1
	g) Solar radiation sensor	Middleton Solar Ins.	EQ 08/E	1
	h) Telescopic crank-up meterological tower	Clark Masts, Belgium	SQT 9M HP	1
9	Computer system			
	a) Data acquisition system	Ecotech Pty. Ltd., Australia	WinAQMS	1
	b) Data reporting & remote control system	Ecotech Pty. Ltd., Australia	Win collect software	1

Station Protocol for CAAQM Station under O&M contract

NAME OF CAAQM STATION

DATE:

Parameter	Status	Zero value		Zero offset		Span calibration			K factor (span)		re m
		<i>Pre</i>	<i>Pos</i>	<i>Pr</i>	<i>Pos</i>	Span Source	<i>Pr</i>	<i>Pos</i>	<i>Pr</i>	<i>Pos</i>	
CO Analyzer											
SO ₂ Analyzer											
NO _x Analyzer											
NO											
NO ₂											
NOx											
NH ₃											
O ₃ Analyzer											
BTX Analyzer											
Benzene											
Toluene											
E-benzene											
M+P Xylene											
O-Xylene											
Dust Analyzer											
PM _{2.5}											
PM ₁₀											
Meteorological Parameter											
Temperature											
Humidity											
Wind Speed											
Wind Direction											
Solar Radiation											
Rain Fall											
Computers											
UPS / ACs / Others											
Data Display Board											
Maintenance Details/ Requirement											
Specific Observation(s)											

**DAILY REPORTING FORMAT FOR
METREOLOGICAL PARAMETERS**

(To be submitted daily at 12 Noon for the previous day ending
12 midnight)

Location:

Date:

Hrs	Wind speed	Wind direction	Humidity	Temperature	Solar Radiation	Rainfall	remarks
00-01							
01-02							
02-03							
03-04							
04-05							
05-06							
06-07							
07-08							
08-09							
09-10							
10-11							
11-12							
12-14							
14-14							
14-15							
15-16							
16-17							
17-18							
18-19							
19-20							
20-21							
21-22							
22-23							
23-24							
Min.							
Max.							
Average							

**MONTHLY REPORTING FORMAT FOR
METREOLOGICAL PARAMETERS**

(To be submitted monthly next day ending month)

Location:

Month:

Date	Wind speed	Wind direction	Humidity	Temperature	Solar Radiation	Rainfall	remarks
Min.							
Max.							
Average							

DAILY REPORTING FORMAT FOR MAIN POLLUTANTS

(To be submitted daily at 12 Noon for the previous day ending 12 midnight)

DAILY AMBIENT AIR QUALITY DATA**Location:****Date:**

	SO ₂	NO	NO ₂	NO _x	CO	O ₃	PM _{2.5}	PM ₁₀	Ben	Tol	Xyl

COMPLIANCE SHEET

S. No.	Scope of O&M
1	Daily maintenance (preventive and breakdown)
2	Daily calibration check for inorganic gas analysers, CO, O ₃ , NO _x , SO ₂ , etc.
3	Weekly calibration check for organic gases viz., BTX
4	Multipoint calibration check for inorganic gas analysers viz. CO, O ₃ , NO _x , SO ₂ for every six months
5	Gas phase titration (TPT) for NO _x analysers for every six months.
6	Validation of data generated
7	Generation of daily reports for criteria pollutants viz., CO, O ₃ , NO _x , SO ₂ , PM ₁₀ , PM _{2.5} , BTX, meteorological data
8	Entering data in electronic display board
9	O&M charges include cost of imported calibration gases, permeation tubes and batteries for UPS
10	Deputing skilled manpower.