

MINUTES OF PRE-BID MEETING FOR TENDER NO: MPCB/JD(APC)/01/2020

For “Supply, Installation, Commissioning and Operation and Maintenance of Continuous Ambient Air Quality Monitoring Stations (CAAQMS) – 47 nos. in Maharashtra.”

[e-proc tender ID: 2020_MPCB_603779_1]

Date & Time: 24.08.2020 at 1200 hours
Venue: Meeting held via video conferencing.

Technical Evaluation committee members:

1. MPCB – Joint Director (APC), Technical Advisor, Chief Accounts Officer, Law Officer
2. CPCB – Dr. S .K. Sharma, Scientist D, CPCB, Delhi.
3. CSIR-NEERI – Dr. K.V. George, Head APC Division, NEERI, Nagpur
4. MAHAGENCO – Dr. Nitin Wagh, Chief GM (E&S), Mahagenco.

Agenda: Pre-bid meeting for the tender: “Supply, Installation, Commissioning and Operation and Maintenance of Continuous Ambient Air Quality Monitoring Stations (CAAQMS) – 47 nos. in Maharashtra.” (Tender no: MPCB/ JD(APC)/01/2020 dated 17.08.2020)

The following bidders were present at the pre-bid meeting:

1. M/s. Ecotech Pty. Ltd, Australia.
2. M/s. Environnement SA India Pvt.Ltd.
3. M/s. Thermo Fisher Scientific India Pvt.Ltd.
4. M/s. Chemtrols Industries Pvt.Ltd.

The pre-bid meeting was organized to address the queries raised by the bidders for the said tender. This tender is a re-tender for Supply, Installation, Commissioning and Operation and Maintenance of Continuous Ambient Air Quality Monitoring Stations (CAAQMS) – 47 nos. in Maharashtra, the pre- bid reply of earlier etender No:975 remains the same and applicable for this tender [e-proc tender ID: 2020_MPCB_603779_1] also. Pre-Bid MoM of etender No :975 enclosed at Annexure-I

The committee clarified the queries pointwise raised by the bidders and the same is recorded. The queries received in writing by above bidders with Tender committee remarks are placed as Annexure –II.

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

It was also decided that the queries received after the deadline as per tender & after pre-bid meeting, shall not be considered for reply and e- tender bidding.

The meeting ended with a vote of thanks to the chair.

ANNEXURE-II

I. The queries / request raised by M/s. Ecotech Pty. Ltd, are as follows: -

Sr.no.	Tender Page no.	Clause no.	Query raised by the bidder	Clarification given for the query
1.	Pg.no.18,19,20 of 253	Vol - I ITB – Instructions to Bidder Clause no:2.5 – Qualification requirement to the bidder. (2.5.1 (i), 2.5.2(ii), 2.5.5)	<p>The published PQR under sub clause Cl.2.5.1 (i), Cl.2.5.2 (ii), Cl. 2.5.5 of PQR Cl. 2.5 seems to be quite stringent and would tend to restrict the participation of established OEMs of CAAQMS having numerous installations in various PCB's within India to participate for the said tender.</p> <p>As this tender being re-tendered of your initial tender ref no. MPCB/JD(APC)/01/2019-2020 for CAAQMS published in 2019 , it is requested to kindly follow the Qualification requirement criteria of the same to enable maximum participation of OEMs / Manufacturer of CAAQMS and OAM (original Analysers manufacturer) of USEPA approved Gas Analyser.</p> <p>Hence it is requested to consider our below submission / request positively.</p>	Clause No.2.5 (etender:975) shall be applicable along with the MoM of Pre-Bid conference held wrt: Tender No: 975.
1.1	Pg.no. 18 of 253	Clause 2.5.1 (i)	The bidder should be a manufacturer or authorized agency as listed in the scope of work who must have manufactured, supplied, tested, Installed and commissioned to minimum twelve (12) nos. of CAAQM stations for monitoring all notified parameters as per AQ Standards 2009 in any one of last three years along with weather parameters which are monitored on real time basis and are in satisfactory operation.	Clause No.2.5 (etender:975) shall be applicable along with the MoM of Pre-Bid conference held wrt: eTender No: 975
1.2	Pg. 19 of 253	Clause 2.5.1 (ii)	This clause was not a part of pervious tender. However, included in present re-tendered document.	Clause No.2.5 (etender:975) shall be applicable along with the

			We request to consider the following as O&M criteria for maximising the participation of experienced bidders. “O&M Partner should have minimum 2 years’ experience of providing O&M services to CAAQMS as associates with manufacturer.”	MoM of Pre-Bid conference held wrt: Tender No: o975
1.3	Pg. 20 of 253	Clause 2.5.5	The bidder should furnish the information on all past supplied and satisfactory performance for both 2.5.1 and 2.5.4 (ii) above, in “Performance Statement” as per Attachment No. 8B & 8C respectively of Section III and minimum twelve (12) nos. CAAQMS as documentary evidences (client certificates in favour of bidder or manufacturers of equipment) in support of the satisfactory operation of similar air monitoring stations, which is in use for last two (2) years in case bidder is manufacturer or for last three (3) years in case bidder is authorized representative	Clause No.2.5 (etender:975) shall be applicable along with the MoM of Pre-Bid conference held wrt: Tender No: 975
2.	Pg.10 of 253	IFB Clause 2.1	IFB - Cl. 2.1- The bidder should have <u>at least three years’</u> experience in supply, testing, Installation & Commissioning and satisfactory operation of real time monitoring system	Clause No.2.1 (etender:975) shall be applicable along with the MoM of Pre-Bid conference held wrt: Tender No: 975
3.	Pg. 25 of 253	Clause 4.4 – Bid Security / Earnest money	Tender document stipulates for submission EMD of Rs. 1.22 Cr. (Rs. One Crore Twenty - Two Lakh Only) in form of Bank Guarantee from Nationalized Bank located in India or from the list of banks under Attachment 14. Please confirm if Bank Guarantee from any Schedule India bank like HDFC Bank or Foreign Bank like Barclays Bank listed under the schedule of RBI is acceptable in addition to the name of bank listed under Attachment 14.	BG shall be from Nationalized Banks or the private banks whose net worth is greater than Rs.4000/- crore will be considered for payment of EMD through BG. Bank Details : Bank Account No. (SBI) :10184075404 IFSC Code: SBIN0005350 SWIFT

			<p>Since processing a Bank Guarantee from a Nationalized bank during the Covid Crisis may lead to delay in issuance, since most of the banks are working with limited resources.</p> <p>Also, requested to please provide the following details for issuance of EMD in from of Bank Guarantee.</p> <p>a) MPCB Bank details with Bank Account No. and IFSC code b) MPCB GST No. c) MPCB PAN No.</p>	<p>Code: SBININBB355 GST No. 27AAAGM0150J1DT E-mail ID: account@mpcb.gov.in Mobile No. :9869365974</p>
3.1	Pg. 25 of 253	Clause 4.4 – Bid Security / Earnest Money	<p>Also, it is requested to please confirm that the EMD in form of Bank Guarantee submitted by bidders 100% owned Indian subsidiary/ Indian establishment on behalf of Bidder is acceptable.</p>	Accepted
4.	Pg. 25 of 253	Clause 6.5 – Currencies of Bid	<p>We understand as per Attachment- 2 – Summary of Price bid allows to offer the project on split currency basis (i.e. supplies & services from Indian in INR and whereas Imports in foreign Currency in USD/GBP/Euro/Yen.).</p> <p>However, the BOQ_104556.xls do not have provision to input price only in INR and not in multiple currency. (i.e. for supplies and services from India in INR and Imports in any of the Foreign currency).</p> <p>Please clarify.</p>	The provision will be made to allow any Foreign currency along with INR.
5.	Pg. 14 of 253	<p>List of city / location where CAAQMS will be installed</p> <p>Buy back purchase</p>	<p>We understand as per the List of City /Location where CAAQMS will be installed the buy-back is applicable only for Qty 01 no. of CAAQMS installed at Bandra-Mumbai.</p> <p>Please confirm.</p> <p>Also, provision for deduction towards buyback is not provided in Attachment 2 – Summary to price bid or in BOQ_104556.xls.</p>	<p>Yes</p> <p>Bidder has to Show buy-back value as discount in grand total.</p>
6.		Price Bid BOQ_104556.xls	<p>The quantity specified under-price bid BOQ_104556.xls format is Qty 01 No. instead of Qty 47 nos. Kindly clarify if total price for</p>	BOQ will be amended.

			<p>single Qty of CAAQMS to be inputted or price of Total Qty for 47 nos. to be inputted as 01 lot under BOQ_104556.xls format.</p> <p>The BOQ_104556.xls have provision only for inputting the prices in INR.</p> <p>Requested to please include foreign currency towards supplies/imports made in foreign Currency along with INR portion.</p> <p>Also, provision for deduction towards buyback is not provided.</p>	
7.	Pg. 123 of 253	SCC: Clause 6.0 (6.1,6.2 & 6.3)	<p>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 47 nos. of supply & Installation of CAAQMS at different locations across the state of Maharashtra.</p> <p>Hence it is requested to please consider delivery period of supplies as 240 days from date of opening of Letter of credit for both Imports and Local supplies, and Installation & Commissioning to be carried out within 120 days from date of receipt of materials</p>	No change in the delivery period and commissioning period.
8.	Pg. 160 of 253	Clause 4 – General Specifications for analyzers (Clause: 4.6, 4.7)	<p>The specified permeation bench/ chambers under respective Multipoint Gas Calibration system is generally not available with most of the vendor, hence requested to generalize the same by deleting the text “three” chamber-based permeation system and provision of permeation tubes in calibration since the CAAQMS system will be calibrated as per NIST standard traceable calibration cylinder.</p> <p>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.</p>	<p>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 calibration system as per the CPCB specification</p>
9.	Pg.170 of 253	Clause (I) 2.5 BTX monitor / Analyzer Technical Specification		
10.	Pg.171 of 253	<p>Clause (J) 2.5 Multi calibration system</p> <p>Clause (J)(a) – Gas calibration system</p>		
11.	Pg. 156 of 253	Technical specification: (Clause. 2.1 - Type: 3 Nos. split type, roof mounted of 5-	<p>Please note that the tender has stipulated split type, roof mounted Air Conditioners with 5 Star rating, please note that the wall mounted split type AC's is technically appropriate for easy maintenance in CAAQMS instead of roof mounted.</p>	<p>No change in tender specification.</p> <p>Bidder has to provide 5-star split AC unit.</p>

		star rating with an automatic timer.)	Roof Mounted Air conditioning is also not recommended and advisable with the present roof thickness of shelter which may not hold the weight of cassette type air conditioners. Please clarify.	
12.	Pg.157 of 253	Technical Specification: Clause. 3.1 - UPS 10 KVA.	Online UPS 10 KVA specifies as 4 Hour Backup in specification of Battery backup time, However, the heading for 10 KVA UPS specifies as 1 hr Backup. Please clarify the appropriate back-up time required for 10KVA UPS.	The Backup time will be 4 hours for Single phase 10 kVA and 5 KVA UPS. The Backup time should be read as 4 hr. for 10 KVA UPS.
13.	Pg.20 of 253	ITB Clause 2.5.6 – Manpower requirement during O&M	Please confirm if each CAAQMS to be manned by station operator in an addition to the personnel requirement mentioned under Cl.2.5.6 of ITB. (i.e. Project Manager 1 No, Technician 10 Nos, Data processor for MPCB HQ- 2 persons)	Committee has clarified that, one site engineer in day time and security guard throughout day and night should be present at each site in addition to the project team as mention in clause 2.5.6 of ITB.
14.	Pg. 156 of 253	Technical Specification – Clause 1.9.1 – Security cabin (optional)	Security Cabin is mentioned as optional under technical specification along with shelter. We understand this will be purely based on site requirements. Hence it is requested to provide appropriate provision in price bid format BOQ_104556.xls to quote for optional item.	The unit cost of the security cabin must be quoted separately as optional item and it will be considered as per the requirement at specific site.

II. The following queries / request were raised by M/s. Thermo Fischer Scientific India Pvt. Ltd:

Sr.no.	Tender Page no.	Clause no.	Query raised by the bidder	Clarification given for the query
1.	Pg. 15 of 252	Vol. I – Instructions to bidders Clause 2.5.1 (i)	We request the subject clause shall be changed as given below: - The bidder should be a manufacturer or authorized agency as listed in the scope of work who must have manufactured, supplied, tested and commissioned and provided O&M service to minimum twelve (12) nos. of CAAQM stations for monitoring minimum 5 parameters as per AQ Standards 2009 in last three years along with weather parameters which are monitored on real time basis and all are in satisfactory operation, maintenance, report preparation etc. of CAAQMS station.	Clause No.2.5 (etender:975) shall be applicable along with the MoM of Pre-Bid conference held wrt: Tender No: 975.
2.	Pg. 45 of 253	Vol -I, Section - II, Schedule of requirements Clause 1.0(b)(13)	This clause mentions “RCC foundation, pillars miscellaneous works including civil and electrical & beautification for 47 nos. of CAAQMS sites. “This item is excluded except necessary electrical work for the site of CAAQMS to be installed under buy back.” Please explain the highlighted part.	RCC foundation and related civil and electrical works, beautification will be done for all the 47 nos. of CAAQMS, whereas, for one station under buy back at Bandra, necessary electrical work shall be done by the successful bidder
3.	Pg. 82 of 252	Indemnity Bond Clause :3	Regarding the said clause, we request you to delete the following clause “.... It is clearly understood by the Contractor that non-observance of the obligations under this Indemnity Bond by the Contractor shall inter-alia constitute a criminal breach of trust on the part of the Contractor for all intents and purposes including legal / penal consequences.”	Appropriate alternate legal word will replace in the IB.

			Our legal team requests that the above- mentioned clause be deleted from the Indemnity Bond as the system will be maintained by us and we assure you that the system will be utilized only for the purpose mentioned in the tender. A criminal liability linked to this clause is not acceptable to our legal team and to our global management in the US. Kindly confirm your acceptance.	
4.	Pg.157 of 253	Vol -II, Technical Specifications Clause 3.1 & 3.2	Please confirm the battery backup time required for both 10KVA and 5KVA UPS	The Backup time will be 4 hours for Single phase 10 kVA and 5 KVA UPS.
5.	Pg.160 of 253	Vol -II, Technical Specifications Clause 4.6 & 4.7	Clause 4.6 calls for calibration using calibration cylinders only, while Clause 4.7 calls for NIST traceable Permeation tubes. Please confirm whether permeation tubes and calibration of analyzers using permeation tubes is required.	Calibration by zero and span gas
6.	Pg.140 of 253	Vol -II, Technical Specifications Clause 4.10	We request that the word “ conform ” be replaced by “ approved ” as CPCB requires that all analyzers used in AAQMS shall be approved by USEPA/TUV/EN/MCERTS/ equivalent authority. Please confirm your acceptance.	All base analyzers should be USEPA approved.
7.	Pg.163 of 253	Vol-II, Technical Specifications Clause :7 (A) - 9	Response Time for NOx analyser shall be 40 seconds as manufacturer’s standard. Also, CPCB specifications call for response time of 120 seconds. Please confirm acceptance of the same.	As per CPCB Specifications
8.	Pg.171 of 253	Vol-II, Technical Specifications Clause: J (a)	Please confirm whether Permeation Bench is required in multi-point calibrator as the calibration of all analyzers are to be done using calibration gas cylinders.	Permeation system calibration is not mandatory.
9.	Pg.171 of 253	Vol-II, Technical Specifications Clause: J (a)	Please confirm if Ozone generator is required in Ozone analyser or Multi-point calibrator as it is asked in both. We	As per CPCB Specifications

			recommend that as Ozone Generator shall be supplied in Ozone analyser so the requirement of Ozone generator from calibrator shall be removed. Please confirm.	
10.	Pg.177 of 253	Vol-II, Technical Specifications Clause: 10	Data Transfer to Central DAS: (i) Please confirm whether we have to quote Central DAS in this bid as a Central DAS is already existing at MPCB? (ii) If yes, then please confirm if the specifications of Central DAS PC shall be same as AAQMS local DAS PC? (iii) Please confirm mode of communication required from AAQMS to Central DAS at MPCB	Quote for Central DAS as per Tender Specification.
11.	Pg.187 of 253	Vol-II, Technical Specifications Clause: 10	Please confirm if Display Board is required at MPCB office also or only at AAQMS stations.	At all stations at appropriate distance as per tender conditions.

III. The following queries / request were raised by M/s. Chemtrols Industries Pvt. Ltd:

Sr.no.	Tender Page no.	Clause no.	Query raised by the bidder	Clarification given for the query
1.		E- tender time schedule: Bid submission due date 10 th September, 2020 at 1700 hrs.	As our office is in buffer zone and local trains are not operational and many employees are residing in hot zones hence, they are unable to attend office. Hence, we request you to kindly extend the due date by another 1 month i.e.10th October, 2020.	No change in the time schedule.
2.	Pg. 25 of 253	Vol- I: Instructions to Bidder Security & Earnest money Clause: 4.4	Please confirm the correct value of the EMD amount in figures as well as in words, as per	The amount should be read as Rs.1.22 crore only (One crore, Twenty-two lakhs only).

			specifications in figures it is Rs. 1.22 Cr and in words it is written as One Crore Two lakhs only. For all the manufacturers registered under MSME / NSIC certified companies, whether EMD exemption can be given, please confirm.	No EMD Exemption.
3.		Vol- I: Instructions to Bidder Scope of Supply.	We request you to please separate the scope of supply for 46 nos. station & 01 nos. station under buy-back.	No change in tender conditions
4.	Pg. 153 of 253	Vol – II: Technical Specifications 1.1 and 1.9	Please confirm if three nos. of 19” racks are required or 02 nos. of 19” racks are required.	It should be read as 02 nos. of 19” racks
5.	Pg. 157 of 253	Vol – II: Technical Specifications Clause 3.1.6 & Annexure -I (Clause 3.1.6)	Please confirm the battery back-up time for the 10KVA UPS.	The Backup time will be 4 hours for Single phase 10 kVA and 5 kVA UPS.
6.	Pg. 123 of 253	Vol – II: GCC Clause 16, SCC Clause 6.2	Considering 47 sites, we suggest 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 120 days from the date if the receipt of the material at site. Please accept the same.	No change in the time schedule.
7.	Pg.123 of 253	Vol- II, GCC Clause 16 SCC Clause 16.1	Considering 47 sites, we suggest for all the equipment’s delivery period for the package shall be 180 days from the date of the opening of the Letter of credit (L/C). Further transportation, to the site, installation and commissioning shall be completed by the contractor within 120 days from the date of the	No change in the tender conditions.

			arrival of the equipment at port of de-embarkment.	
8.	Pg. 209, 210 of 253	Vol – II: Technical Specifications 7(A) & (B)	There is separate specification for NOx & NH3 analyzers, please confirm if a combined analyser for NOx & NH3 is to be offered or separate analyzers are required for both these parameters, please clarify.	Supply separately as per the technical specifications
9.	Pg.210 of 253	Vol – II: Technical Specifications 7 (B)	USEPA does not give approval for NH ₃ analyser.	Ammonia analyzer shall be supplied as per the tender specifications
10.	Pg.210 of 253	Vol – II: Technical Specifications 7 (B) Clause 13	Rise and fall time shall be same as response time for NH ₃ analyser.	No change in technical specification.
11.		BOQ_1045556	There is no provision for providing the Commercial bid formats, only prices in figures are to be indicated. Please confirm.	BOQ will be updated.
12.	Pg. 128 of 253	Vol-I, GCC Clause 13.2 Terms & conditions of payment.	We suggest 100% percent of the contract price of the Goods shipped shall be paid through irrevocable Letter of Credit opened in favour of the supplier in a bank in his country and upon submission of the documents specified in sub-clause 5.2	No change in tender conditions
13.	Pg.128 of 253	Vol-I, Section – 6, GCC Clause 29, SCC Clause 13.2	We suggest 100% percent of the contract price of the Goods shipped shall be paid through irrevocable Letter of Credit opened in favour of the supplier in a bank in his country and upon submission of the documents specified in sub-clause 5.2	No change in tender conditions.
14.	Pg.128 of 253	Vol-I, Section -6, GCC Clause 29,	We suggest 100% percent of the contract price of the equipment including 100% of the local	No change in tender conditions.

		SCC Clause 13.2	costs, incidental cost, cost of training after satisfactory completion of installation & commissioning including Training (to be certified by the Board) of all the Equipment of the package at specified site(s) and submission of acceptance certificate as per Attachment 3 of SCC	
15.	Pg.127 of 253	Vol-I, Section -5, GCC Clause 25- Method of Payment	Since the LC is on DP basis, this clause is not applicable	No change in tender conditions.
16.		NEFT Details	We request to please provide NEFT details for transferring tender fees amount	State Bank of India A/c no: 10184075426 GST No: 27AAAGM0150J1DT PAN no: 27AAAGM0150J
17.		Split Order Request	As the total stations are 47 stations, could you split ordering on 60:40 basis. 60% to L1 and 40% to the second bidder accepting L1 prices.	Not accepted
18.			Under Atmanirbhar Bharat and Public Procurement Policy, if the local content is met by the bidder, are there any price preference.	Not accepted

IV. The queries / request raised by Environment SA India Pvt. Ltd. are as under:

Sr.no.	Tender Page no.	Clause no.	Query raised by the bidder	Clarification given for the query
1.	Pg.2 of 253		In Tender Notice Details (pg no. 3 of 253) EMD Amount is mentioned as Rs 1.22 crores (Rupees One Crore Two Lacs Only) whereas, as per Tender Details available on e-portal, EMD amount is mentioned Rs. 0.00 & also there is no option to upload the EMD in the form of Bank Guarantee on e-portal.	Kindly, read the amount as Rs. 1.22 crore only (Rupees One crore, twenty- two lakhs only.)

			Kindly clarify the same.	
2.	Pg.30 of 253	Vol. I – Instruction to Bidders Clause 6.5	We understand that as per Attachment- 2 – Summary of Price bid allows to offer on the basis split currency (i.e. supplies & services in Indian Currency and Analyzers in foreign Currency. However, in the BOQ_1045734.xls there is provision for price in INR only. So, we understand that the total value filled in BOQ should be converted from foreign currency that mentioned in attachment-2 into INR so that while placing the order prices will be considered in Euro as mentioned in attachment-2. We request your acceptance	BOQ will be updated
3.	Pg. 19 of 253	Vol. I – Instruction to Bidder Clause 2.5.1 & 2.5.5	As per clause no 2.5.1, we need to show 12 stations in last three years, however as per clause no. 2.5.5, manufacturer has to show performance of these 12 stations for last three years, if we have to meet criteria of 2.5.1 how can we submit the client performance certificate for 3 years. We request you to give us provision for performance certificate for 2 years either or please give us provision in clause no 2.5.1 for 5 years so we can submit performance certificate for 3 years.	Clause No.2.5 (etender:975) shall be applicable along with the MoM of Pre-Bid conference held wrt: Tender No: 975.

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