MINUTES OF TENDER COMMITTEE MEETING

(Published the tender JSPCB/CAAQMS/2024-25 vide P.R. No. 363025, dated- 27/09/2025 for Pre-bid Meeting "Supply, Installation, Commissioning and Operation & Maintenance Services of Continuous Ambient Air Quality Monitoring Stations (CAAQMS)" in Jharkhand.)

Date & Time of Pre-Bid Meeting	**10.10.2025 & 12.30 PM**
Venue	**JSPCB, Head Quarter, Dhurwa, Ranchi**
Committee Members	**Sri. Rajeev Lokchan Bakshi,** Member Secretary
	Sri Sanjay Kumar Srivastava, Officer on Special Duty, JSPCB, Ranchi
	Sri R. Naresh Kumar, Associate Professor, B.I.T. Meshra, Ranchi
	Sri Brijesh Kumar Mishra, Associate Professor, IIT (ISM), Dhanbad
	Dr. Arvind Kumar Upadhyay, Principal Technical Officer, CSIR-NML, Jamshedpur
	Smt. Pratibha Priya, Scientist cum Member Convenor, JSPCB, H.Q. Ranchi
Agenda	Pre-bid meeting for the tender: "**Supply, Installation, Commissioning and Operation & Maintenance Services of Continuous Ambient Air Quality Monitoring Stations (CAAQMS)" in Jharkhand vide P.R. No.-363025**

The pre-bid meeting was held both online and offline on 10.10.2025 to resolve the queries raised by the different bidders. The representatives of the following bidders were present in the pre-bid meeting:

1. M/s Thermo Fisher India Pvt. Ltd. (through VC)
2. M/s Analyser Instrument Co. Pvt. Ltd. (through VC)
3. M/s ACOEM ECOTECH India Pvt. Ltd.
4. M/s ENVEA India Pvt. Ltd.

The Committee has clarified all the queries raised by the bidders, and the same are recorded. The Queries raised by the above-mentioned bidders with the tender committee's remarks are

placed in Annexure-I. The committee has also decided that pre-bid minutes of the meeting should be treated as part of the Tender Conditions of tender published vide P.R. No. 363025 dated 27/09/2025 and shall be binding to both JSPCB and Bidders. The committee has also decided that the queries raised/received after this pre-BID meeting shall not be considered for tender bidding.

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

Annexure- 1

1. PRE-BID QUERIES FROM M/s. THERMO FISHER INDIA PVT. LTD.

Sl. No.	Tender Page No.	Tender Clause	Bidders Query	Resolution to the Queries by Committee
1	Page No. 12	**'2.4 Qualifying Requirements of Bidders:** • '2.4.2 The bidder should have at least five years' experience in Supply, Installation, and Commissioning, Operation & Maintenance experience of minimum eight parameters of the tendered equipment/analysers and should be in satisfactory operation of Real Time Continuous Ambient Air Quality Monitoring Stations with CPCB or any of the SPCB in India.	We request to kindly amend the clause to "The Authorized Representative /OEM should have at least five years' experience in Supply, Installation, and Commissioning, Operation & Maintenance experience of minimum five parameters of the tendered equipment/analyzers and should be in satisfactory operation of Real time Continuous Ambient Air Quality Monitoring Stations with CPCB/SPCB/PSU/Government customer in India." *(Attached latest DPCC & UPPCB (Page No 26) tender and corrigendum for your reference, where changes were made)	**Modified the clause in '2.4 Qualifying Requirements of Bidders' and will read as:** "CPCB/SPCB/PSUs of the Government of India in place of CPCB or any of the SPCB in India."
2	Page No. 12	**'2.4 Qualifying Requirements of Bidders:** • '2.4.3 The bidder should be a manufacturer or authorized representative as listed in the scope of work who must have manufactured, supplied, tested, commissioned and doing O&M of	We request to kindly amend the clause to "The Authorized Representative /OEM have manufactured, supplied, tested and commissioned minimum ten (10) nos. of similar air monitoring stations (Similar air monitoring stations" stands for CAAQM stations containing at least five Parameter out of eight AAQ monitoring parameters	**Modified the clause in '2.4 Qualifying Requirements of Bidders' and will read as:** "CPCB/SPCB/PSUs of the Government of India in place of CPCB or any of the SPCB in India."

		minimum ten (10) nos. of similar air monitoring stations (CAAQM stations for all eight AAQ monitoring parameters (CO, SO_2, NH_3, $NO/NO_2/NOx$, O_3, BTX, PM_{10}, $PM_{2.5}$) in India in last five years which should be in satisfactory operation with CPCB or any of the SPCB in India. The client's certificate on the client's letterhead shall be submitted by the bidder in compliance with the same.	(CO, SO_2, NH_3, $NO/NO_2/NOx$, O_3, BTX, PM_{10}, $PM_{2.5}$)in India in any one year of the last five years which should be in satisfactory operation with CPCB/SPCB/PSU/Government customer in India. The client's certificate or completion certificate shall be submitted by the bidder in compliance with the same.	
	Page No. 12	**'2.4 Qualifying Requirements of Bidders:** • '2.4.4 The bidder a manufacturer or authorized representative of Manufacturer must design and manufacture the systems in order to provide a high level of control over the quality of the systems. All the component of CAAQMS including analysers (for minimum 08 parameters), calibration systems, zero air generators, data acquisition system software and central data management software must be of the same make.	2.5.4 The bidder, a manufacturer or authorized representative must design and manufacture equipment used in the systems in order to provide a high level of control over the quality of the systems. All the component of CAAQMS including all gas analyzers, calibration systems, zero air generators, sample manifolds, Except Btex, Sample manifold, DAS, CDAS must be of the same make. For DAS and CDAS there are multiple vendor who provide service for data communication, request you to kindly allow us to go ahead with Glens.	The tender condition will prevail.

	Page No. 13	**'2.4 Qualifying Requirements of Bidders:,** • 'II)'The bidder, as authorized representative, supplied, tested, commissioned and doing O&M of minimum ten (10) nos. similar air monitoring stations (CAAQM stations for all eight (CO, SO2, NH3, NO/NO2/NOx, O3, BTX, PM10, PM2.5) AAQ monitoring parameters) with CPCB or any of the SPCB in India in last five years which should be in satisfactory operation with no adverse report as on date of bid opening. Client's certificate in clients letter head shall be submitted by the bidder in compliance to same.	We request to kindly amend the clause to"The Authorized Representative /OEM have manufactured, supplied, tested and commissioned minimum ten (10) nos. of similar air monitoring stations (Similar air monitoring stations" stands for CAAQM stations containing at least five Parameter out of eight AAQ monitoring parameters (CO, SO2, NH3, NO/NO2/NOx, O3, BTX, PM10, PM2.5))in India in any one year of the last five years which should be in satisfactory operation with CPCB/SPCB/PSU/Government customer in India. Client's certificate or completion certificate shall be submitted by the bidder in compliance to same.	**Modified the clause in '2.4 Qualifying Requirements of Bidders and will read as:** "CPCB/SPCB/PSUs of the Government of India in place of CPCB or any of the SPCB in India."
	Page. No. 14	'2.4.9 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. 8 B & 8 C respectively of Section-III and documentary evidences for minimum five (5) nos. of CAAQMs, client certificate in favor of bidder or manufacturers of	We request to kindly amend the clause "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. 8 B & 8 C respectively of Section-III and documentary evidences for minimum five (5) nos. of CAAQMs, client certificate in favor of bidder or	**Modified the clause in '2.4 Qualifying Requirements of Bidders and will read as:** "CPCB/SPCB/PSUs of the Government of India in place of CPCB or any of the SPCB in India."

		equipment for similar air monitoring stations (CAAQM stations for all eight AAQ monitoring parameters (CO, SO2, NH3, NO/NO2/NOx, O3, BTX, PM10, PM2.5)) with CPCB or any of the SPCB in India towards 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 two (2) year in case bidder is authorized representative.	manufacturers of equipment for similar air monitoring stations (CAAQM stations for five(CO, SO2, NO/NO2/NOx, PM10, PM2.5) AAQ monitoring parameters) with **govt/ PSU/ CPCB or any of the SPCB** in India towards support of the satisfactory operation of similar air monitoring stations, which is in use for last two (2) years in case bidder is either manufacturer / authorised representative or for last two (2) year"	
	Page No. 14	'2.4.10 The bidder shall submit latest report for any of the supplied & installed CAAQMS by bidder, including all the specified 8 parameters which is being submitted to CPCB/ SPCBs.	We shall share our AAQMS Install list and Credentials of Jharkhand State.	**Modified the clause in '2.4 Qualifying Requirements of Bidders and will read as:** "CPCB/SPCB/PSU of Government of India in place of with CPCB or any of the SPCB in India"
	Page No. 18	**WARRANTY / O & M CONTRACT, Page no-102** • '18.2 However, the Contractor shall warrant to the Jharkhand State Pollution Control Board that the Equipment to be supplied under the Contract is new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided	As per tender scope of work include supply and O&M after commissioning, thus the O&M shall start rightafter commissioning, Warranty convers the manufacturing defects of our Analysers only, daily operation and maintenance is a must activity which can only be covered by O&M, thus to maintain daily data availability O&M need to be awarded with Supply PO.	The tender condition shall prevail.

		otherwise in the Contract. This warranty includes all spare parts and services to keep the instruments and equipment in operating condition. In case O & M is not awarded / terminated the equipment shall remain warranted for 2 years from the date of commissioning. The Contractor shall further warrant to the Authority that the Equipment complies strictly with the Specifications and has no defect, arising from design, materials, or workmanship or from any act or omission of the Contractor that may develop under normal use of the supplied Equipment in the conditions prevailing to the final Sites.	Additionally, we request you to kindly remove the warranty of 2 years since the O&M shall start right after from the date of commissioning	
	Page No. 168	**7.1 MULTI POINT GAS CALIBRATION SYSTEM:** • 'iii. Generate zero air of 99.9% purity (High Performance Zero Air Generator to beprovided).	We shall provide separate zero air unit	The tender condition shall prevail.

	Page No. 168	**7.1 MULTI POINT GAS CALIBRATION SYSTEM:** • '4. The system should also have facility for multipoint calibration of Ozone analyser.	' Request you to kindly remove the clause, Ozone Analyzer have inbulit ozone generator for its calibration thus calibration of ozone analyser through calibrator is not required.	The tender condition shall prevail.
12		**Request**	OEM of Analysers /Calibrator shall have registered office and Service setup with 24X7 customer care in India.	The tender condition shall prevail.
13	SCC Page No-124	**a. Payment of goods and services (excluding O&M charges) supplied from India.** • On Shipment: Eighty (80) percent of the contract price of the Goods shipped shall be paid through irrevocable Letter of Credit opened in favor of the supplier in a bank in the country with part shipment & payment allowed and upon submission of the documents specified in sub-clause 5.2 (1) of SCC including: (i) Packing list and (ii)Supplier's certificate that the amounts shown in the invoice are correct in terms of the contract and that all the terms and conditions of the contract have been complied with and balance;	a) 90% of basic order value +100% taxes and duties within 30 days from the date of Receipt of material at site along with material test certificates. b) 10% shall be released immediately on successful Installation & commissioning of the supplied system subject to submission of performance bank guarantee of 10% of basic of the total contract value from nationalized bank with validity up to warranty period specified above. Note:- If Installation & Commissioning is delayed beyond 90 days due to reasons not attributable to Thermo Fisher, then 10% balance payment will be released against submitted PBG.	The tender condition shall prevail.

		• ii. On Final Acceptance: Balance Twenty (20) percent of contract price of the equipment including 100% of the local costs, incidental cost, costs of training after satisfactory completion of installation & commissioning including Training (to be certified by the Authority) of all the Equipment of the particular package at specified site and submission of acceptance certificate as per Attachment 3 of SCC.		

2. PRE-BID QUERIES FROM M/s. ANALYSER INSTRUMENT CO. PVT. LTD.

Sl. No.	Tender Page No.	Tender Clause	Bidders Query	Resolution to the Queries by Committee
1			Whether there is exemption of MSMEs from EMD	There is a provision of exemption from EMD to the MSMEs.

2	Page No. 12	'2.4 Qualifying Requirements of Bidders: Requirements of Bidders, 2.4.2 reproduced below: The bidder should have at least five years' experience in Supply, Installation, and Commissioning, Operation & Maintenance experience of minimum eight parameters of the tendered equipment / analyzers and should be in satisfactory operation of Real Time Continuous Ambient Air Quality Monitoring Stations with CPCB or any of the SPCB in India.	**We request you to please change as per below:** **The bidder should have at least five years' experience in Supply, Installation, and Commissioning, Operation & Maintenance experience of minimum eight parameters of the tendered equipment / analyzers and should be in satisfactory operation of Real Time Continuous Ambient Air Quality Monitoring Stations with CPCB/State Pollution Control Board/ Semi-Govt. or any State or Central government organizations or Public Sector Undertakings (PSUs) of the supplied & installed CAAQMS by bidder, including all the specified 8 parameters which is being submitted to CPCB/ SPCBs government organizations or Public Sector Undertakings (PSUs) of the supplied & installed CAAQMS by bidder, including all the specified 8 parameters which is being submitted to CPCB/ SPCBs.** • In DPCC Tender, we are	**Modified the clause in '2.4 Qualifying Requirements of Bidders and will read as** "CPCB/SPCB/PSUs of the Government of India in place of CPCB or any of the SPCB in India." **1.** The tender condition shall prevail for other relevant portions

			reproducing Qualifying requirements as per below: 2.5.1 The bidder should be a manufacturer or authorized dealer of items (i.e. Analyzers, Monitors, Calibrators and Sensors), who must have manufactured, supplied, tested and commissioned minimum five (05) nos. similar air monitoring stations with minimum five (subject to the condition that all eight parameters should have been incorporated in the eligible projects undertaken by Bidder)tendered parameters [NO-NO2-NOX, SO2, NH3, CO, Ozone, PM10, PM2.5, BTEX] either container-based or otherwise in last seven (07) years (reckoned as on date of techno- commercial bid opening) with CPCB/State Pollution Control Board/ Semi-Govt. or any State or Central government organizations or Public Sector Undertakings (PSUs) which should be in continuous operation as on date of techno-commercial bid opening. As	

			evidence of being a manufacturer, bidder must enclose copy of manufacturer's license/manufacturer's brochure or catalogue for the aforesaid items i.e. Analyzers, Monitors, Calibrators and Sensors. As evidence of having manufactured, supplied and commissioned the stations, bidder must enclose copy of purchase orders / letters of award/agreement, clearly indicating the scope of work, which must include the supply and commissioning of ambient air monitoring stations either container based or otherwise. • In MPPCB Tender, we are reproducing Qualifying requirements as per below: The bidder, as authorized representative, supplied, tested and commissioned minimum six (6) nos. similar air monitoring stations either container based or otherwise in any one year of the last three financial years which should be in satisfactory operation with no	

			adverse report for last two (2) year as on date of bid opening. • In UPPCB Tender, we are reproducing Qualifying requirements as per below: 1. Supplying, Installation and commissioning of at least 05 nos. of CAAQMS with 05 parameters (PM_{10}, $PM_{2.5}$, SO_2, NO_2 and CO) along with O&M of CAAQMS during the past seven (07) years. • While in DPCC tender, Govt. organisation were added, in MPPCB & UPPCB there were no such condition of type of organisation. • We are enclosing tender documents of UPPCB for supply of 18 sets CAAQMS in which EMD is Rs.60 Lakhs and annual turnover requirement is INR 12 crores. • MPPCB has requirement of 39 systems they have turnover requirement of Rs.30 Crores.	

3. BID QUERIES FROM M/s. ACOEM ECOTECH INDUSTRIES PVT. LTD.

Sl. No.	Tender Page No.	Tender Clause	Bidders Query	Resolution to the Queries by Committee
1	Page No. 2 Page No. 17	**EMD Price** • 2% of the value of subject matter in the form of Bank draft/ Bank Guarantee, in favour of Member Secretary, Jharkhand State Pollution Control Board, payable at Ranchi. And ITB Clause Cl. 4.4 – Bid Security/ / Earnest Money (pg 17) Sl. No. 1 & Sl. No.2 • Sl. No. 1 Pursuant to Clause 5.1 in this instruction, the Bidder shall furnish, the Bid Security amount of Indian Rupees 01 Crore (Rs. One Crore Only) (for allocation) in the form of Bank draft or Bank Guarantee with validity as per Attachment No-10 of TCN in favor of the Jharkhand State Pollution Control Board, payable at Ranchi	As per the Tender Document, Page 2 – IFB: EMD Price, the Earnest Money Deposit (EMD) is mentioned as **2% of the value of the subject matter.** However, under ITB Clause 4.4 – Bid Security/Earnest Money, Sl. No. 1, **a fixed EMD amount of Rs. 1 Crore (Rupees One Crore Only)** has been specified, to besubmitted in the form of a Bank Draft or Bank Guarantee with validity as per Attachment No. 10 ofthe TCN. Kindly confirm whether the **EMD value of Rs. 1 Crore (Rupees One Crore Only),** as stated under ITBClause 4.4 – BidSecurity/Earnest Money Sl. No. 1, is the correct and applicable amount to be submitted against this tender in the form of Bank draft or Bank Guarantee with validity as per Attachment No. 10 of TCN.	The EMD value of Rs. 1 Crore will prevail.
2	Page No. 3	Cl. no. 4 "...The bidder should haveaverage financial turnover of minimum Rs.30.0 crores (Rs. Thirty	The stipulated financial qualification criteria under Cl.2.4.7 of Qualifying requirements may encourage participation	The tender condition shall prevail.

	Page No. 13	Crores)…" 2.4 Qualifying Requirements of Bidders: Cl. 2.4.7 "...The bidder should haveaverage financial turnover of minimum Rs.30.0 crores (Rs. Thirty Crores)..."	from bidders with limited financial capacity, which could impact the overall quality and reliability of project execution. To ensure participation from financially stable and experienced bidders, it is respectfully requested to retain the financial qualification requirement as specified in the previous tender, i.e., an average annual turnover of ₹50 Crores over the last three financial years.	
3	Page No. 22	**5.0 PREPARATION OF TECHNO-COMMERCIAL BID** 5.2 Contents of Folder "B", Qualification Documents J. The Authorized Indian Agent/Representative of Manufacturer of Analyzers (Minimum 08 parameters) should have 02 years continuous agency partnership/joint venture/ preparation or collaboration with their Principal foreign supplier. The documentary proof of such agency ship/ authorization/ MOU should be submitted along with technical part. The bid of the firm that does notcontain the proof of such nomination/authorization as Indian agent will berejected.	We understand that the applicability of this clause pertains to bidders participating as authorized representatives of the Original Analyzer Manufacturer. For bidders who are themselves the OEM/Original Analyser Manufacturer of the primary gas analysers, we understand this clause may not be applicable.	Applicable as the case may be. Authorisation is not required in the case of OEM.

4	Page No. 2	**Mode of Submission :** Physical submission through speed post/registered post/courier or in person **AND** **5.0 PREPARATION OF TECHNO-COMMERCIAL BID - Cl. 5.1, Cl. 5.2, Cl 5.3** The Bidder shall enclose scan copy of allthe Qualification documents as followsinthe mentioned .pdf file in the portal i.e.,https://jspcb.org.in/. Authorizationletterauthorizing the signatory of the Bid tocommit the Bidder (Power ofattorney to sign the Bid).	As per ITB Clause 5.1, 5.2, and 5.3 regarding thepreparation and submission of the techno-commercialbid, kindly clarify whether: • The complete tender, including the techno- commercial bid, is to be uploaded on the e- tender portal https://jspcb.org.in, OR • The complete tender along with the price bidis to be submitted in a sealed cover throughphysical submission at JSPCB, Ranchi, on orbefore the due date. Kindly confirm the exact mode of submission for boththechno-commercial and price bids.	The bidders submit their bids in two separate envelopes or packets: one containing the technical bid and the other the financial bid. The enclosed envelope shall be submitted through speed post/registered post/courier or in person.
5	Page No. 24 & Page No. 90	6.0 PREPARATION OF FINANCIAL BID **Note:-** 1) Quoted cost O&M of a CAAQMS foreach of first two years should be at least8% (Excluding GST) and each of subsequent years should be at least 12% (excluding GST) of the cost of supply & installation of the CAAQMS. In case the bidder quotes O&M cost lower than given percentage (excluding GST) of the	The present tender specifies O&M cost at 8% per annum for the first two years and 12% per annum for the subsequent three years. This structure is not advisable, as it may adversely impact the quality andstandard of O&M services offered by certain bidders attempting toremain competitive at the cost of performance. To maintain uniformity and ensure quality O&M services throughout the contract	The tender condition shall prevail.

		supply & installation cost, the Owner will reduce the supply & installation cost suitably, so as to make the O&M cost in line with the percentage value (excluding GST) of the supply & installation cost keeping the total quoted cost as unchanged.	period, it is requested to kindly revise and specify a minimum yearly O&M percentage of 12% per annum of the total cost of supply, installation, and commissioning of the system for all 5years. This approach aligns with the standard O&M cost structure range followed by CPCB and other State Pollution Control Boards for similar CAAQMS tenders. For reference, the previous tender issued for the same scope had also specified a minimum O&M value of 12% per annum under the same clause/point.	
6	Page No. 120 Page 122	**6.1 Equipment to be supplied** All the equipment shall be received at the Continuous Ambient Air Quality Monitoring Station at the Site, within 180 days from the date of signing of the contract agreement by both parties and is to be installed and commissioned within Ninety (90) days from the date of receipt at the site. **6.2 Commissioning and other incidental services:** (Pg 120)	With reference to the tender specifications, the overall supply completion period has been defined as 180 days from the date of award of contract & 90 days for installation and commissioning. We would like to submit that the timeline may be insufficient, considering the large-scale turnkey nature of the project involving the supply and installation of 15 Continuous Ambient Air Quality Monitoring Stations (CAAQMS) and 15 Display Boards across multiple locations in the State of Madhya Pradesh.	The tender condition shall prevail.

		and **11.0 Completion Clause** The Contractor shall complete all the Works up to installation and commissioning of CAAQMS's within 270 days after the date of signing of contract agreement by both the parties. (Pg 122)	Given the complexity of the CAAQMS systems—comprising multiple sub-assemblies and components such as shelters, analysers, meteorological sensors, data loggers, and large outdoor display boards—along with the logistics and coordination involved in site readiness across several districts, the stipulated.	
7	Page No. 124	Special Conditions to Contract **CL. 13.0 PAYMENT (GCC CLAUSE 25)** a) Payment of goods and services (excluding O&M charges) supplied from India. i) On Shipment: Eighty (80) per cent of the contract price of the Goods shipped shall be paid through irrevocable Letter of Credit" ii) On Final Acceptance: Balance Twenty (20) per cent of the contract price of the equipment, including 100% of the local costs, incidental costs, costs of training after	With reference to the payment terms specified under SCC Clause13(a) & (b) of the tender document., we wish to highlight that thecurrently stipulated payment structure may significantly impact ourcash flow during the execution phase of thislarge-scale project. This may, in turn, affect timely manufacturing, delivery, andinstallation, thereby potentially impactingoverall project executiontimelines. In view of the above, we respectfully request that the followingpayment terms be considered for Indian manufacturers: • 90% payment to be made through	The tender condition shall prevail.

		satisfactory completion of installation &commissioning, including Training...”	an Irrevocable Letterof Credit (LC) upon dispatch of goods. • Balance 10% payment to be released upon successfulInstallation & Commissioning (I&C) at the site. We request your kind confirmation and favourable consideration of this request, which will enable broader participation from Indian OEMs and ensure smooth and timely execution of the project.	
8	Page No. 160 & Page No. 161	Technical Specification Ambient NO-NO_2-NOx, Analyser Ambient NH_3, Analyser (pg 160 & 161)	Kindly confirm whether a single combined GasAnalyser capable of measuring NO/NO2/NOx and NH_3(Ammonia) is acceptable in place of two separate analysers for NO-NO_2-NOx and NH3 Ammonia. The single Gas Analyser can simultaneously provide separate and accurate measurements for both NO/NO_2/NOx and NH_3. Please confirm the acceptability of this configuration.	As per the recent CPCB and USEPA Protocol
9	Page No. 154	Technical Specification 3.2 - ONLINE UPS 5 KVA, CAPACITY (Single Phase I/P &Single phase O/P, with	Please confirm the total number of 05 KVA UPS units required for the project.	15 nos. for CAAQMS & 01 for Central Server so total 16 nos. Of 5 KVA ONLINE UPS with

		02 hours backup) (01 for Analysers & 01for Server at Central Station) (Pg 154)	As per the Schedule of Requirements (Pg. 146 & 147,Sl. No. 17), the quantity of 05 KVA UPS specified is 1set per CAAQMS, amounting to a total of 15 sets. However, Clause 3.2 (Technical Specification of 05KVA UPS) additionally specifies one 05 KVA UPS forthe Server at the Central Station.Kindly confirm the total number of 05 KVA UPS unitsto be considered under this project.	02 hours back-up.
10	Page No. 168	Cl. 7.1 (v) (vi) – MULTI POINT GAS CALIBRATION SYSTEM: vi) Calibration using permeation tubes for which at least two chambers based. Permeation system has to be provided. vii) The Permeation System should becapable to accept permeation tubes up to6 cm in length and 2 cm in diameter with user selectable Temperature setting of40^0C and 50^0C (Pg 168)	The specified permeation bench/ chambers under Multipoint Gas Calibration system is vendor specific hence requested to generalize the same by deleting the text “two chamber based permeation system” 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.	Calibration should be performed as per the recent CPCB-approved methodology.
11	Page No. 168	**Cl. 7.1 (iii) MULTI POINT GAS CALIBRATION SYSTEM:** iii) Generate zero air of 99.9% purity (High Performance Zero Air Generatorto	We understand that the Zero Air Generator to be supplied under Sample handling system should be of 19” Rack mounted and of Analyser OEM make within built	The tender condition shall prevail.

		be provided). (pg 168)	CO reactor for stable functional output.	
12		Tender due date extension	In view of the clarifications sought in the above queries, which may significantly impact the techno-commercial competitiveness of the bid, we respectfully request that the bid submission deadline be extended by 15 days from the date of issuance of your response to these queries.	The date will prevail as per the published advertisement.

PRE-BID QUERIES FROM M/s. ENVEA INDIA PVT. LTD.

Sl. No.	Tender Page No.	Tender Clause	Bidders Query	Resolution to the Queries by Committee
1	Page No. 2	Mode of Submission: Physical submission through speed post/registered post/courier or in person	Kindly confirm whether the entire bid– both Techno Commercial Bid and the Price Bid to be submitted in physical mode only or there is online mode available for submission of any document. Also confirm whether bid to be submitted in both modes (Physical & Online).	The bidders submit their bids in two separate envelopes or packets: one containing the technical bid and the other the financial bid. The enclosed envelope shall be submitted through speed post/registered post/courier, or in person.
2	Page No. 19	5.0 PREPARATION OF TECHNOCOMMERCIAL BID 5.1 The Bidder shall enclose scan copy of the Bid Security in the mentioned .pdf file in the portal i.e., https://jspcb.org.in	We are unable to locate the section or file upload option on the portal to submit the required scanned documents in the specified .pdf format. Please guide us how and where to upload as we tried finding but could not locate.	The bidders submit their bids in two separate envelopes or packets: one containing the technical bid and the other the financial bid. The enclosed envelope shall be submitted through speed post/registered post/courier, or in person.
3	Page No. 22	The Bidder shall enclose the scan copy of the "TECHNICAL SPECIFICATION AND CATALOGS" in the mentioned .pdf file in the portal i.e., https://jspcb.org.in/.	We are unable to locate the section or file upload option on the portal to submit the required scanned documents in the specified .pdf format. Please guide us how and where to upload as we tried finding but could not locate.	The bidders submit their bids in two separate envelopes or packets: one containing the technical bid and the other the financial bid. The enclosed envelope shall be submitted through speed post/registered post/courier, or in person.

4	Page 2	EMD Price: 2% of the value of subject matter in the form of Bank draft/ Bank Guarantee, in favor of Member Secretary, Jharkhand State Pollution Control Board, payable at Ranchi.	EMD in terms of percentage of submitted bid value will declare the quoted bid price value and hence, it will be against secrecies & basic norm of tender, In view of the above, fixed EMD value must be indicated which will be common for all bidders.	The EMD value of Rs. 1 Crore will prevail.
5	Page No. 17	4.4 Bid Security / Earnest Money (1) Pursuant to Clause 5.1 in this instruction, the Bidder shall furnish, the Bid Security amount of Indian Rupees 01 Crore (Rs. One Crore Only) (for allocation) in the form of Bank draft or Bank Guarantee with validity as per Attachment No-10 of TCN in favor of the Jharkhand State Pollution Control Board, Payable at Ranchi	Considering the scope, we request you to kindly reduce EMD amount to 60 Lacs.	The EMD value of Rs. 1 Crore will prevail.
6	Page No. 6	ANNEXURE – 1 Air Conditioner, Split Type, Roof Mounted, along with voltage stabilizer (2x2 ton, 1x 1 ton)	We understand split type wall mounted air conditioners to be considered in place of roof mounted. Please note roof mounted Ac's are not recommended in shelter due to maintenance issues. Kindly Confirm.	AC can be wall-mounted, split-type.