

**Request for Proposal**

**For**

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**Supply, Installation, Commissioning and Comprehensive Annual Maintenance of Continuous Ambient Air Quality Monitoring Station (CAAQMS) at various GMDC Mines**

**RFP No. GMDC/ENV/04/2024-25**

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**Answer to Pre- Bid Queries and Corrigendum Document-1**

**Gujarat Mineral Development Corporation Ltd.**

**February 2025**

Sl. No.	Clause No.	Clause Description	Pre-Bid queries/ Clarification	Response / Addendum / Corrigendum if any
1	Clause 1.3, Training, Pg 14 of 122	The Supplier shall prepare required training manuals in English / Gujarati languages.	We request you to consider manuals in English language only.	Agreed
2	Clause 4, Subclause 9, Insurance for the CAAQMS Pg 17 of 122	The supplier shall procure the insurance in the name of GMDC and bear the cost of the insurance of the CAAQMS on behalf of GMDC.	We request GMDC to consider insurance in their scope.	RFP conditions remain unchanged
3	Clause 4, Subclause 11, Internet Connectivity for the CAAQMS Pg 17 of 122	Supplier shall arrange for internet availability at local station through wireless dongle/sim cards and bear the recurring expenditure for the same.	We request GMDC to consider expenditure of Sim cards in their scope.	Please refer to answer to Pre bid query no 20.
4	Section III, technical specifications, Continuous Ambient air quality monitoring station bill of material, Pg 19 of 122	DATA DISPLAY BOARD (1.5Ft x 3Ft) mounted on CAAQMS – Outside	As per clause no. 14 (Day light and night visible true color data display system, Pg no. 119 of 122) dimension of display board is 4x8 feet.  Please confirm the dimensions and specifications of display board.	Agreed. The dimension of Display board will be 4 x 8 feet.  The typo error in page no 19 stands corrected as below.  "DATA DISPLAY BOARD (4 Ft x 8 Ft) mounted on CAAQMS – Outside the Main Gate of Project"
5	Section IV: Service Level, Clause 1 Delay in supply, installation and Go Live, subclause ii, Pg 20 of 122	In case the Supplier fails to adhere to the timeline for the entire supply installation and commissioning of the CAAQMS, unless such failure is due to Force Majeure or due to Authority's defaults or reasons not attributable to the Supplier, in such case the Authority shall recover damages equivalent to 0.5% of Value of Contract Price excluding CAMC charges (i.e. Value of Supply, installation and Commissioning) per week of delay subject to maximum of 10% of Value of Contract Price excluding CAMC charges. Such damages shall be recovered from the next bill/ invoice of Supplier.	We request GMDC to consider minimum 0.5% to 5% per week (liquidated damages). Since, it is a total turnkey job and involves various manufacturing and site activities, we total completion period of 8 months from the date of final PO & agreement.	RFP Conditions remain unchanged
6	Section IV: Service Level, Pg 21 of 122 – Clause 2	Clause 2 Breach in Availability and Performance of CAAQMS during the Warranty and Maintenance Period/ CAMC Period/	We request GMDC to consider target service level at 90%	Target Service Levels stands amended to minimum of 90%. Please refer Annexure 1 of this document for the revised Service Levels.

Sl. No.	Clause No.	Clause Description	Pre-Bid queries/ Clarification	Response / Addendum / Corrigendum if any
		Comprehensive Annual Maintenance Period. Availability of CAAQMS - 95%		
7	Section IV: Service Level, Pg 21 of 122 – Clause 3	In addition to breakdown of CAAQMS, in case of failure to share the mandated data with regulatory bodies results in any loss of production, the same will be recovered from supplier to a maximum value of 10% of total value of the supply order in the name of the supplier, in addition to statutory obligation on part of supplier through PBG deposited by the supplier.	We request GMDC to consider target service level at 90%	Target Service Levels stands amended to minimum of 90%. Please refer Annexure 1 of this document for the revised Service Levels.
8	Clause 1.5, RFP fee, subclause d, Pg 24 of 122	Relaxation in terms of submission of RFP Fee shall be given to the bidder who is holding valid Certificate issued under the MSME Act, 2006 on the date of submission of bid to this RFP.	Please confirm whether subject clause is applicable for the following type of firms (covered under MSME act): a)Micro b)Small c)Medium	The firm registered under MSME Act are exempted from submission of RFP Fees. The Bidder shall need to provide valid MSME registration document to avail exemption.
9	Clause 2.5, Earnest Money Deposit (EMD)/Bid Security, sub clause b, Pg 29 of 122	Relaxation in terms of submission of EMD shall be given to the bidder who is holding valid Certificate issued under the MSME Act, 2006 on the date of submission of bid to this RFP.	Please confirm whether subject clause is applicable for the following type of firms (covered under MSME act): a)Micro b)Small c)Medium	The firm registered under MSME act are exempted from submission of EMD. The Bidder shall need to provide valid MSME registration document to avail exemption.
10	Clause 7.3, Performance Security, subclause c, Pg 41 of 122	The Performance Security of amount equivalent to 10% of cumulative CAMC charges for all five years shall be submitted 10 days prior to end of the Warranty Period and it shall remain valid till the end of Maintenance Period of 5 years.	We request you to consider 10% of Annual CAMC value (which can be renewed every year)	RFP conditions remain unchanged

Sl. No.	Clause No.	Clause Description	Pre-Bid queries/ Clarification	Response / Addendum / Corrigendum if any
11	Clause 7.3, Performance security, subclause iii, Pg 41 of 122	In case Contract Period is extended then the Supplier shall have to renew Performance Security for a period of extended Contract Period.	We request you to consider 10% of annual CAMC value (which can be renewed every year)	RFP conditions remain unchanged
12	Section VI: Prices and payment terms, Clause 1.2 Payment terms for Supply, Installation and Commissioning of CAAQM Stations (Capital Items), Pg 47 of 122	<ol style="list-style-type: none"> <li>1) 60% of Value of total delivered CAAQMS Units within 15 days from the receipt of Invoice after the successful delivery</li> <li>2) 30% of Value of total installed and commissioned CAAQMS Units Within 15 days from the receipt of Invoice after GO Live Certificate.</li> <li>3) 10% of Value of CAAQMS Units within 15 days from the receipt of Invoice after successful completion of 1 year warranty period</li> </ol>	<p>We request GMDC to consider the following payment terms:</p> <ol style="list-style-type: none"> <li>1) 90% of total delivered CAAQMS units within 15 days from the receipt of invoice after the successful delivery.</li> <li>2) 10% of total value of installed and commissioned CAAQMS units (within 15 days from the receipt of invoice after GO Live certificate) against 10% performance bank guarantee valid for warranty period.</li> </ol>	<p>The clause 1.2 (a) of Section VI - Payment terms for Supply, Installation and Commissioning of CAAQM Stations (Capital Items) stands amended as below.</p> <p>1<sup>st</sup> and second column of the table stand amended as below. Third row of the table stands deleted.</p> <p><b>“1) Delivery of CAAQM Station:</b> 80% of Value of total delivered CAAQMS Units within 15 days from the receipt of Invoice after the successful delivery.</p> <p><b>2) Installation, Successful Commissioning and issuance of Go Live Certificate:</b> 20% of Value of total installed and commissioned CAAQMS Units Within 15 days from the receipt of Invoice after GO Live Certificate”</p> <p>Above payment shall be made mine wise for only delivered and installed CAAQMS Stations.</p>
13	Clause 3.4, Responsibilities during the Warranty Period and Maintenance Period, subclause b, Pg 58 of 122	The supplier shall ensure at least 95% availability during both warranty Period and Maintenance/CAMC Period.	Request you to consider availability of desired system at 90% (instead of 95%).	Target Service Levels stands amended to minimum 90%. Please refer Annexure 1 for the revised Service Levels.
14	Clause 3.13 Insurance to be taken out by the supplier, Pg 60 of 122	The Supplier shall procure and maintain, at its own cost, all time during the subsistence of contract, below mentioned insurance.	We request GMDC to consider the following in their scope:	Agreed. Following policies stands removed from the Suppliers Scope.

Sl. No.	Clause No.	Clause Description	Pre-Bid queries/ Clarification	Response / Addendum / Corrigendum if any
		(a) Group Personal Accident Policy (b)Third Party Liability; (c) Any Other policy which the Supplier may find fit for indemnifying the asset of the Owner	a) Third party liability b) Any other policy for indemnifying the asset (of GMDC)	b) Third party liability c) Any other policy for indemnifying the asset (of GMDC).
15	Clause 12.3 Damage to the devices/CAAQMS station	The CAAQM Stations delivered and installed by the Supplier shall be located in outdoor condition and it should last rough usage in outdoor conditions including all weather conditions. All such equipment/components shall be designed to be vandal proof/vandal resistance. Damage to equipment of CAAQM Stations due to regular wear and tear under field conditions, damage or failure due to exposure to outdoor conditions such a moisture and heat, faulty manufacture, latent manufacturing defects within design limit, mechanical, electrical or electronic failure, shall be the liability of the Supplier during the Contract Period. In such case, Supplier shall repair, replace the equipment if it is under warranty, and change the spare such that the repaired unit has full functionality during the Contract Period. It is responsibility of the Supplier to ensure that all equipment/hardware/software continues to function as per functionality specified in Technical Specification and maintain the Service Levels during the Warranty and Maintenance Period. All costs towards repair/modification/ changing spare/ replacement shall be borne by the Supplier.	We request GMDC to provide security for proposed CAAQMS systems. This will help in making the proposed systems vandal proof.	Physical security shall be provided by GMDC. Please note the liability arising out of vandalism is in the scope of GMDC as per the clause 12.3 (2) of Section VIII (page no 75).

Sl. No.	Clause No.	Clause Description	Pre-Bid queries/ Clarification	Response / Addendum / Corrigendum if any
16	Annexure 13, Detailed technical specifications, Clause 1 CAAQMS station - Housing/Container, subclause 1.1.2	<p><b>Frame:</b> All the material used for the construction of the floor, frame, roof frame etc. the 4 corner posts and 8 integrated, reinforced container corners should be of metal.</p> <p>The exterior panel of the container shall be made of <b>pre-coated MS Sheet of approved colour shade</b>. All other steel parts should be <b>hot dipped galvanized having minimum rate of galvanization of 275 gram per square meter (IS277)</b>. All joints of like metal such as steel-to-steel or aluminum-to-aluminum shall be protected against corrosion by liberal application of joining compound. All joints of dissimilar metals such as steel to aluminum shall be protected against corrosion due to galvanic action by liberal application of dielectric compound as well as jointing compound on both mating surfaces. For lifting / fixing the container, International Standard eyebolts should be provided at the corners.</p>	<p>We request GMDC to consider the following as MOC:</p> <p>Internal: GI</p> <p>External: GI</p>	RFP specified minimum requirements as per the CPCB guideline. No change in minimum requirements.
17	Clause 1.1.8, Station furnishing, point no i, Pg 95 of 122	19" Rack - 03 nos.	Since, there are only 5 analyzers (SO2, NOx, CO, PM10, PM2.5), 2 rack cabinets are more than sufficient. We request GMDC to consider 3 racks as a double bay rack will suffice for 1 no. CAAQMS station.	BOM for 19" rack stands amended as below.  19" double bay rack - 01 no. to accommodate at least 8 Analyzers"
18	Clause 1.1.9, Container foundation, point no, Pg 96 of 122	L X W 6000 x 6000 mm Height 300 mm from ground	We request GMDC to consider foundation and earthing of analyzer shelter in their scope.	RFP conditions remain unchanged
19	Calibration gas cylinder, Pg 100 of 122	The supplier has to supply the calibration gas cylinder (highly polished Aluminium 10 liters water capacity), along with SS Regulator, traceable to NIST for each component (SO2,	Since zero air generator is being provided along with proposed system, N2 cylinder will not be required. Request you to remove the same.	RFP conditions remain unchanged

Sl. No.	Clause No.	Clause Description	Pre-Bid queries/ Clarification	Response / Addendum / Corrigendum if any
		NO & CO) along with SS regulator for the multipoint calibration. The synthetic air and N2 cylinder (99.99% purity with certificate) should be in Carbon Steel cylinder of 47 Liters water capacity along with SS Regulator.		
20	Clause 9 Data acquisition and communication system, subclause 9.1 Typical architecture for data connectivity, Pg 111 of 122	All CAAQM Stations are to be connected by static IP address with GMDC Central office and CPCB / GPCB Server (Central Data Server) for uninterrupted NAQI.	Broadband connectivity with static IP will be in purchaser's scope	<p>Internet connectivity through MPLS network at Mine site and Static IP address for the CAAQMS Station PC shall be provided by GMDC.</p> <p>The Supplier shall be responsible for the data transfer to Central system to be hosted on cloud for the access to GMDC head office and CPCB/ GPCB servers through internet/MPLS Network to be provided by GMDC at Mine site. The Service Provider shall be responsible for providing cloud for hosting the central server /data of CAAQMS for the access to GMDC and it shall bear all relevant costs for the same. At the end of the contract all the data / reports / license to be handed over to GMDC in usable formats including the whole CAAQMS in satisfactory working condition.</p> <p>The supplier shall procure the cloud Services from any of the Preferred Cloud Service Providers which are Oracle Cloud/ Microsoft Azure / Google cloud /AWS cloud. The costs pertaining to could services (storage, security, Server, VAPT testing, maintenance etc.) shall be borne by the Supplier during the entire Contract Period.</p> <p>The supplier shall also be responsible for the</p>

Sl. No.	Clause No.	Clause Description	Pre-Bid queries/ Clarification	Response / Addendum / Corrigendum if any
				coordination with CPCB for smooth integration with its Server hosted on premise/ cloud. GMDC shall provide all relevant documentation/ correspondence support for the same.
21	Connectivity for data transfer Pg 113 of 122	CONNECTIVITY FOR DATA TRANSFER	Purchaser to confirm the specific tool for internet connectivity	Internet connectivity through MPLS network at mine site shall be provided by GMDC. Internet connectivity at cloud side for enabling access to GMDC head office if so, required shall be the responsibility of the Supplier.
22	<b>Page No.: 13, Section C</b>	Provide maintenance and repair support on a 24 X 7 basis for all the CAAQMS components including all hardware, devices operating system, application software, other integrated system software and other components forming part of CAAQMS.	We understand that supplier will provide the online support for the maintenance and repair on a 24X7 during the warranty and CAMC period, So kindly confirm whether you required residential engineer at site by 24X7 or only maintenance visit whenever required or as per the schedule, So kindly confirm the scope of O& M services and warranty at site.	Suppliers shall need not to deploy technical representative all the time. No residential engineer is required. However, it shall deploy technical representative on site during the entire Warranty Period and Maintenance Period, as and when required, for imparting uninterrupted maintenance services as well as undertaking preventive and regular maintenance of devices.
23	Technical Specifications: WORKSTATION COMPUTER FOR AQI  Page No.: 112	This has to be installed at CAAQM station for the preparation of AQI along with the station computer.	As per NIT, mentioned AQI preparation along with computer, Generally AQI integration will provide by CPCB with approval and they are not giving the approval to connect other than PCB installed sites, so regarding AQI M/s GMDC will get the required approval and documents from CPCB then after CPCB approval only AQI will be possible. So kindly confirm and clarify the AQI requirement.	GMDC shall provide all documents / correspondence for obtaining APIs from CPCB for smooth integration / transfer of AQI data to CPCB/GPCB server. However, all required coordination with CPCB / GPCB shall be undertaken by the Supplier. And integration upon receipt of the APIs shall be in the scope of the Supplier.  In case of delay in commissioning due to delayed approval /sharing of APIs from CPCB/GPCB, the LDs shall not be applied. However, Supplier shall need to substantiate

Sl. No.	Clause No.	Clause Description	Pre-Bid queries/ Clarification	Response / Addendum / Corrigendum if any
				the claim of delayed CPCB/GPCB approval through detailed justification.
24	Page No.: 106 PM-10& PM2.5	A distance of around 1.5 meter should be maintained between two sampling heads of PM2.5 and PM10samplers	As per the NIT, we understand that you have required separate analyser for PM-10 and PM 2.5 measurement and also it is mentioned a distance of around 1.5 meter should be maintained between two sampling heads of PM2.5 and PM10 samplers, so in this condition other bidders may offer single analyser for both PM10 and PM2.5 measurements, so kindly confirm and amended two separate analyser is required to measurement of PM2.5 and PM10.	Two separate analyzers for PM 2.5 and PM10 are required and both the analyzers should have separate USEPA / TUV QAL1 Approval Reference nos. as per the RFP requirements.
25	Page No.: 96 Monitoring Station/container foundation (RCC)	Monitoring Station/container foundation (RCC): Scope of work	As per the tender document monitoring Station /container foundation (RCC) is in vendor scope, But generally M/s GMDC is preferred CAAQMS installation location will be at mines area, So vendor is difficult to arrange the permissions & contractors and materials at site for foundation, So requested to arrange the RCC foundation from your end and we will provide the required drawings as per the shelter specification or else M/s GMDC ensure to provide all the required clearance documents and permissions and complete support for the RCC foundation.	The scope of RCC for container foundation is in the scope of supplier. RFP conditions remain unchanged.
26	Page No.:119 DAY LIGHT & NIGHT VISIBLE TRUE COLOR DATA DISPLAY SYSTEM	Display Board location and fabrication work.	Kindly confirm the scope of display board fabrication work at site and availability of LAN connection for to display the AAQMS data also confirm the maximum distance from CAAQMS station to LED display board to arrange the LAN Cable/Other related items.	Setting of CAAQMS including Display board is on SITC basis and under the scope of the Supplier. Due diligence to be undertaken by the Supplier prior to submission of bid for estimating the distance between CAAQMS location and Display board location.
27	Page No.: 47	1) 60% of Value of total delivered CAAQMS Units	As per NIT, Payment terms mentioned 60% Against Supply and 30 % against installation	Please refer to Answer to Pre-Bid queries no. 12

Sl. No.	Clause No.	Clause Description	Pre-Bid queries/ Clarification	Response / Addendum / Corrigendum if any
	Payment Terms for Supply, Installation and Commissioning:	<p>2) 30% of Value of total installed and commissioned CAAQMS Units: Within 15 days from the receipt of Invoice after GO Live Certificate</p> <p>3) 10% of Value of CAAQMS Units: Within 15 days from the receipt of Invoice after successful completion of 1 year warranty period.</p>	and balance 10% after the warranty period of 12 months, But sometimes after the supply site is not ready due to the various reasons, So kindly consider and amended the payment terms of 30% is against installation or 30 days from the date of supply i.e. whichever is earlier. 2) Balance 10% against submission of PBG warranty period of 12 months. So kindly confirm the payment terms and amended the same.	
28	Page No.:41 Performance Security:	The Performance Security of amount equivalent to 10% of Supply, installation and commissioning Prices (Capital Items) and valid up to end of the Warranty Period. The Successful Bidder shall submit this Performance Security within 20 days from the LOA	We understand that The Performance Security of amount equivalent to 10% of Supply, installation and commissioning and same as which is mentioned against payment no: 3 (10% of Value of CAAQMS Units: Within 15 days from the receipt of Invoice after successful completion of 1-year warranty Period), As per govt. guidelines prevailing, only 3% or maximum 10% Payment can be withheld as cash or PBG. So kindly confirm the total performance security deposit or PBG submission % against supply and installation.	RFP conditions remain unchanged
29	Page No.:75-76 Manpower Requirement at Site	Manpower Requirement at Site	Kindly confirm the manpower requirement at site during the warranty and CAMC services.	Please refer to answer to Pre-Bid query no 22
30	Page No.:11-17 Internet connectivity for CAAQMS and central Station:	data transmission from all connected CAAQM Stations to GMDC Central office	Kindly confirm the internet scope at GMDC central office for communication of local station. As per the requirement need to integrate the local data using SIM based So need public foe the same, So kindly confirm and clarify the availability of internet and public IP at central station.	Internet scope at GMDC Corporate Office, Ahmedabad is the responsibility of GMDC. Please refer to answer to Pre-Bid query No 20 and 21 for the internet scope at Mine site and cloud site.

Sl. No.	Clause No.	Clause Description	Pre-Bid queries/ Clarification	Response / Addendum / Corrigendum if any
31	1.1 Part 1: Supply, Installation, Testing and Commissioning of CAAQM Stations (Pg No. 11/122)	Cl. (ix) (e) regarding connectivity to GMDC's central server	Please confirm whether GMDA's Central Server is already existing or we shall supply a new one? If the same is an existing one and connectivity has to be done to the existing Central Server, then please confirm the make of the existing software and please confirm that GMDA will help in getting the data of new vendor analyzer to be integrated in existing CDAS software (in case the same is required)	Please refer to answer to Pre-Bid query no. 20 and 21.
32	1.1 Part 1: Supply, Installation, Testing and Commissioning of CAAQM Stations (Pg No. 11/122)	Cl. (ii) regarding licensed softwares	Please note that each licensed software shall come in the form of pen drive. So please confirm if 2 nos. softwares are required?	Same DAS software in two Pen drives is required.
33	1.1 Part 1: Supply, Installation, Testing and Commissioning of CAAQM Stations (Pg No. 11/122)	Cl. (iii) regarding internet connectivity at site	We request that internet connectivity at site shall be provided by the customer. Please confirm.	Please refer to answer to pre bid query no 20.
34	1.1 Part 1: Supply, Installation, Testing and Commissioning of CAAQM Stations (Pg No. 13/122)	Cl. (g) and (h) regarding manpower during warranty period and CAMC period	As the scope calls for Operation and Maintenance of the system during warranty and CAMC period - please confirm whether engineer needs to be deputed at site during all times or only quarterly visits by engineer shall be sufficient. The statement against Cl. (g) and (h) are not clear. Kindly clarify.	Suppliers shall need not to deploy technical representative all the time. No residential engineer is required. However, it shall deploy technical representative on site during the entire Warranty Period and Maintenance Period, as and when required, for imparting uninterrupted maintenance services as well as undertaking preventive and regular maintenance of devices.
35	1.1 Part 1: Supply, Installation, Testing and Commissioning of CAAQM Stations (Pg No. 14/122)	Cl. 1.3 - regarding training manual	Please note that Training manuals shall be available in English only and not in Gujarati. Please confirm your acceptance.	Agreed
36	1.1 Part 1: Supply, Installation, Testing and	Cl. 2 - Timeline on Pg 14 and cl. (d) on Pg 49	We request that Warranty period shall be 12 months from commissioning or	RFP conditions remain unchanged

Sl. No.	Clause No.	Clause Description	Pre-Bid queries/ Clarification	Response / Addendum / Corrigendum if any
	Commissioning of CAAQM Stations (Pg No. 14/122)		18 months from dispatch, whichever is earlier. Kindly confirm your acceptance	
37	1.1 Part 1: Supply, Installation, Testing and Commissioning of CAAQM Stations (Pg No. 16/122)	Cl. 4 - Roles and Responsibilities - Electricity	Please confirm that Power supply point shall be provided by GMDC at each AAQMS station. Please clarify if any cabling from Power supply point outside the AAQMS station needs to be done by us. If yes then please confirm distance of Power Supply point to our AAQMS station.	GMDC shall provide electricity connection/point near the site of CAAQMS at a feasible location. The Supplier shall be responsible for establishing the power supply from that point to CAAQMS. GMDC shall try to provide power connection point near to CAAQMS with minimum distance.  The Supplier shall also need to provide stabilizer of adequate capacity to mitigate risks of Power fluctuation. The Supplier shall be liable for any damage/non-functioning of the CAAQMS equipment due to power fluctuation during the entire Warranty and CAMC period.
38	1.1 Part 1: Supply, Installation, Testing and Commissioning of CAAQM Stations (Pg No. 17 / 122)	Cl. 9 - Roles and Responsibilities - Insurance	We request that we shall only transit insurance for AAQMS till site. Further any insurance cover for the AAQMS shall be in GMDC's scope. Kindly confirm.	RFP conditions remain unchanged
39	SECTION III: TECHNICAL SPECIFICATIONS (Pg 18/122)	Rack	Please note that as there are only 5 nos. analyzers so 3 nos. racks are not required - 1 no. Dual Bay rack is sufficient for this application. Please confirm your acceptance.	Please refer to answer to pre bid query no.17
40	SECTION IV: SERVICE LEVEL (Pg 20/122)	Charges due to delay in commissioning of CAAQMS	We request that maximum deduction shall be 5% instead of 10% of supply and I&C basic value. Kindly confirm your acceptance.	RFP conditions remain unchanged
41	SECTION V: INSTRUCTIONS TO BIDDERS (Pg 35/122)	5.1. Qualification Criteria (Cl e)	Please note that USEPA / TUV does not provide approval for AAQMS stations. As per CPCB requirement, only analyzers supplied in the AAQMS shall be USEPA / TUV approved. Kindly confirm the acceptance of the same.	Yes, your understanding is correct

Sl. No.	Clause No.	Clause Description	Pre-Bid queries/ Clarification	Response / Addendum / Corrigendum if any
42	SECTION VI: PRICES AND PAYMENT TERMS (Pg 47-48/122)	1.2. Payment Terms for Supply, Installation and Commissioning of CAAQM Stations (Capital Items)	We request for Payment Terms as follows: 1) 90% of Value of total delivered CAAQMS Units Within 15 days from the receipt of Invoice after the successful delivery of CAAQMS at projects and remaining 10% of Value of total installed and commissioned CAAQMS Units Within 15 days from the receipt of Invoice after GO Live Certificate. In case the commissioning of the system is not done within 90 days of receipt of material at site due to reasons not attributable to Bidder, then payment to be released immediately on the submission of PBG of equivalent amount valid till end of warranty period. Please confirm your acceptance.	Please refer to answer to Pre-Bid query no 12
43	Annexure 13: Detailed Technical Specifications, Pg 99/122	Cl. 3.2 - UPS 5KVA with battery backup (Battery backup time)	Please confirm whether we have to quote 5KVA UPS with 2 hrs or 3 hrs battery backup as both are mentioned in the specifications.	Typo stands corrected. The Bidder shall need to quote for 5 KVA UPS with 3 hrs. of battery back up
44	Annexure 13: Detailed Technical Specifications, Pg 100/122	Cl. 4.1.7 - Calibration with cylinders and permeation tubes	Please note that it is recommended that calibration of analyzers be carried out using cylinders and not permeation tubes. Cylinders provide three-point calibration which helps with linearity checks also whereas Permeation tubes only provide single point calibration. Further storage and maintenance of Permeation tubes is difficult as there could be leaks in the same. In view of these points, we request you to remove the requirement of Permeation tubes and calibration of analyzers shall be done using cylinders only. Please confirm your acceptance.	Please note the calibration of analyzers be carried out using cylinders and not permeation tubes.
45	Annexure 13: Detailed Technical Specifications, Pg 102/122	4.2 SAMPLING SYSTEM	1) Please note that for 5 parameter AAQMS, 6 port Manifold is sufficient instead of requirement of 10 port manifold for the	1) The requirement is kept considering the future scope of expansion. No change in RFP conditions.

Sl. No.	Clause No.	Clause Description	Pre-Bid queries/ Clarification	Response / Addendum / Corrigendum if any
			<p>sampling system. Please confirm your acceptance for the same.</p> <p>2) For Sampling hoods, GI material is sufficient instead of SS. Please confirm your acceptance.</p>	2) RFP conditions remain unchanged.
46	Annexure 13: Detailed Technical Specifications, Pg 108/122	7.1 MULTI POINT GAS CALIBRATION SYSTEM: (vi) and (vii)	In continuation to our pt. No. 14 above, we request you to remove requirement of permeation tubes and benches for all analyzers and calibrators. Please confirm your acceptance.	Please refer to answer to Pre bid query no 44.
47	Annexure 13: Detailed Technical Specifications, Pg 111/122	9.2 Data Acquisition and Handling System at CAAQM Station - Station computer for data logging will be in addition to workstation computer required for calculating AQI, and will be of same or better specifications that of work station computer	Please note that common 1 no. PC is sufficient for datalogging as well as calculation of AQI as this will be done in one common software. We request your acceptance for the same.	Agreed. But PC should meet the specification specified in RFP as well as it should come fitted with required windows professional OS. The makes of the PC should be Dell/HP.
48	Annexure 13: Detailed Technical Specifications, Pg 120/122	14. DAY LIGHT & NIGHT VISIBLE TRUE COLOR DATA DISPLAY SYSTEM - Certification	Please note that Display Boards BIS does not give certification. We request you to remove this requirement from the specifications. Kindly confirm.	Agreed
49	NIT – Pg. No: 107/6.2, (Technical points on PM10 & PM2.5)	6. CONTINUOUS AMBIENT AIR QUALITY MONITORING ANALYSERS (PARTICULATES)	We understand that the requirement for PM10 and PM2.5 is a separate analyzer (according to CPCB guidelines).	Two separate analyzers for PM 2.5 and PM10 are required and both the analyzers should have separate USEPA / TUV QAL1 Approval Reference nos. as per the RFP requirements.
50	NIT-Pg No: 18 (SECTION III: TECHNICAL SPECIFICATIONS)	<p>Online UPS 10 KVA, capacity (Three Phase I/P and Single Phase O/P, with 01 hrs. backup) (for Air Conditioner)</p> <p>Online UPS 5 KVA, capacity (Single Phase I/P and Single Phase O/P, with 02 hrs backup) (for Analysers and the Work Staron Computer)</p>	As per the query, as 6 KVA UPS is sufficient for all of these parameters. Please take into consideration a 6 KVA UPS.(2 hrs backup) in place of the 10KVA & 5 KVA UPS .	10 KVA UPS and 5 KVA UPS with 3 hours of battery backup are required.

Sl. No.	Clause No.	Clause Description	Pre-Bid queries/ Clarification	Response / Addendum / Corrigendum if any
51	NIT-Pg No: 18  (SECTION III: TECHNICAL SPECIFICATIONS)	Split Air Conditioner (2.0 Ton Capacity) QTY-2  Split Air Conditioner (1.0 Ton Capacity) QTY-1	As per the query, as two unit of 1.5 Ton split Air conditioner is sufficient for all of these parameters. Please take into consideration a 1.5 Ton AC. (QTY-2) in place of the Split Air Conditioner (2.0 Ton Capacity) QTY-2 Split Air Conditioner (1.0 Ton Capacity) QTY-1	RFP conditions remain unchanged.
52		Communication between local and central PC	Please provide architecture as to how communication between local and central PC and central PC to display is carried out.	<p>Internet connectivity through MPLS network at Mine site and Static IP address for the CAAQMS Station PC shall be provided by GMDC.</p> <p>The Supplier shall be responsible for the data transfer to Central system to be hosted on cloud for the access to GMDC head office and CPCB/ GPCB servers through internet/MPLS Network to be provided by GMDC at Mine site. The Service Provider shall be responsible for providing cloud for hosting the central server /data of CAAQMS for the access to GMDC and it shall bear all relevant costs for the same. At the end of the contract all the data / reports / license to be handed over to GMDC in usable formats including the whole CAAQMS in satisfactory working condition.</p> <p>The CAAQMS Station is to be connected by static IP address with CPCB/GPCB Server and central server to be hosted on cloud for the access to GMDC Corporate office for uninterrupted NAQI. The system has to measure their respective pollutant and meteorological parameters and get them stored in data logger before transmission. From Data logger, data transmits for data</p>

Sl. No.	Clause No.	Clause Description	Pre-Bid queries/ Clarification	Response / Addendum / Corrigendum if any
				<p>display, and also through internet the same data is transmitted to CPCB/GPCB Server as per their requirement for statutory compliance and Central server on cloud for data display at Central level State level, Cloud and Display board at project office in parallel.</p> <p>The Supplier should undertake data transmission compliance with applicable CPCB/GPCB guideline amended time to time.</p>
53	Clause 5.1 e) of section IV (page no 35) – Qualification Criteria	“During the last five years, the Bidder should have supplied at least <b>five (03) nos.</b> of USEPA / TUV (QAL1) approved fixed CAAQMS matching to CPCB requirements/guideline in last 5 years with at least monitoring capability of 05 CAAQMS parameters along with Data acquisition software in India. The bidder should have also provided maintenance support for at least two years post the supply of the said CAAQMS units.”		<p>Typo error stands corrected as below.</p> <p>“During the last five years, the Bidder should have supplied at least <b>three (03) nos.</b> of USEPA / TUV (QAL1) approved fixed CAAQMS matching to CPCB requirements/guideline with at least monitoring capability of 05 CAAQMS parameters along with Data acquisition software in India. The bidder should have also provided maintenance support for at least two years post the supply of the said CAAQMS units.”</p>

## Annexure 1:

Tables specified in clause no. 2 of section IV stands amended as below:

### 2 Breach in Availability and Performance of CAAQMS during the Warranty\* and Maintenance Period/ CAMC Period/ Comprehensive Annual Maintenance Period

#### Availability of the CAAQMS

Service Level Item	Target Service Level	Measurement Period	Measuring Methodology	Damages
Availability of the CAAQMS	Minimum of 90%	Quarterly	<p><b>% of Availability</b> = [(No. of Hours in a Quarter – Breakdown Hours + Schedule Downtime in a Quarter*) X 100] / No. of Hours in a Quarter.</p> <p>*Schedule down time in a quarter shall be decided by GMDC and the Supplier in consultation with each other.</p>	<p>(i) If availability is <math>\geq 85\%</math> but <math>&lt; 90\%</math> : 2% of quarterly value of respective CAMC Period</p> <p>(ii) If availability is <math>\geq 80\%</math> but <math>&lt; 85\%</math> : 4% of quarterly value of respective CAMC Period</p> <p>(iii) For Lower than 80%: For every fall of 1% in availability, the damages shall increase by additional 1% of quarterly value of respective CAMC Period subject to maximum of 10 % of value of the entire CAMC price.</p> <p>(iv) Above Damages shall apply subject to exclusions**.</p>

**\*During the Warranty Period**, respective quarterly value of first year of CAMC shall be considered for the purpose of determination of Damages. The Supplier shall need to pay the amount equivalent to damages to GMDC/ GMDC shall deduct the amount equivalent to damages while making quarterly payment during the first year of CAMC / Recover by encashing the Performance Security .

#### \*\*Notes for exclusions.

- Schedule preventive maintenance time shall not be considered as breakdown.
- If the CAAQMS fails due to, Natural Calamity such as earthquake, thunderstorm, heavy tempest etc., the breakdown for the period due to the above will not be consider as breakdown.
- If the CAAQMS is not operative due to non-deployment by mine management/Authority/ GMDC and power failure or other reasons attributed to GMDC, no deduction of the penalty/damages shall be charged for the period.”

## Annexure 2:

Clause 1.6 of Section V, (i.e.: Schedule of Bidding) Bid submission events stand amended as below.

Clause as per RFP		Amended Clause	
Event Description	Date, Time and Address	Event Description	Date, Time and Address
Online Submission of Price Bid	The Price Bid is to be submitted online only at designated place on <a href="https://gmdctender.nprocure.com">https://gmdctender.nprocure.com</a> <b>18/02/2025</b> up-to 17:00 hrs and (i) any submission of offline price bid (i.e., physical submission) or (ii) submission of price bid along with technical bid will lead to disqualification.  Technical Bid is not to be submitted online, but should be submitted in <b>physical offline</b> at the designated address by the deadline mentioned.	Online Submission of Price Bid	The Price Bid is to be submitted online only at designated place on <a href="https://gmdctender.nprocure.com">https://gmdctender.nprocure.com</a> <b>24/02/2025</b> up-to 17:00 hrs and (i) any submission of offline price bid (i.e., physical submission) or (ii) submission of price bid along with technical bid will lead to disqualification.  Technical Bid is not to be submitted online, but should be submitted in <b>physical offline</b> at the designated address by the deadline mentioned.
Last Date and Time of Submission of Technical Bid, RFP Fees & EMD in Hard Copy	The Technical Bid is to be submitted offline, on or before <b>19/02/2025</b> up to 17:00 Hrs. to GM (Environment), GMDC office situated at Khanij Bhavan, 132-ft. Ring Road, Gujarat University Ground, Vastrapur, Ahmedabad- 380052, by Speed Post/RPAD/Hand delivery/Courier in sealed cover duly super scribed as mentioned in the RFP.	Last Date and Time of Submission of Technical Bid, RFP Fees & EMD in Hard Copy	The Technical Bid is to be submitted offline, on or before <b>25/02/2025</b> up to 17:00 Hrs. to GM (Environment), GMDC office situated at Khanij Bhavan, 132-ft. Ring Road, Gujarat University Ground, Vastrapur, Ahmedabad- 380052, by Speed Post/RPAD/Hand delivery/Courier in sealed cover duly super scribed as mentioned in the RFP.
Opening of Technical Bid	<b>On 19/02/2025 at 17:30 Hrs. at GMDC office</b>	Opening of Technical Bid	<b>On 25/02/2025 at 17:30 Hrs. at GMDC office</b>