

	ANDHRA PRADESH POLLUTION CONTROL BOARD Paryavaran Bhavan, APIIC Housing Colony, Autonagar, Vijayawada – 520007 Phone No. 0866-2463200, Website: pcb.ap.gov.in	
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Lr. No. APPCB-12028/1/2026-SS-CL

Date: 13-04-2026

Tender Notice No. APPCB-12028/1/2026-SS-CL, dated: 03.04.2026
e- Procurement tender ID: 919711 Procurement of Ambient Air Quality Data Services
CORRIGENDUM - I

Clause	Existing Entry	Amendment
SECTION 1: Tender Notice		
Item No.6 Period:	One year from the date of Award of work	Three years from the date of Award of work
SECTION 2		
2.3 Objectives	Feed validated air quality data to APPCB Central Command Centre and the RTGS platforms of AP Government via secure APIs.	Feed validated air quality data to AP State Data Centre and integrate with APPCB and the RTGS Platforms of AP Government via secure APIs.
SECTION 3		
3.2 Network Design, Site Survey and Justification	Conduct a detailed site survey and network design study for all allotted ULBs within 90 days of LOA.	Conduct a detailed site survey and network design study for all allotted ULBs within 120 days of LOA.
3.3 Installation and Commissioning	Ensure 24x7 power supply availability including solar/UPS backup of minimum 10–12 hours.	Ensure 24x7 power supply availability including solar& with UPS backup of minimum 10–12 hours, at the cost of Bidder.

Clause	Existing Entry	Amendment
3.5 Data Supply and Management	<p>Transmit real-time data at 1-minute raw resolution from all AQMs to SP's cloud server and simultaneously to APPCB's & RTGS, Govt. of AP Designated Servers (APSDC) along with the geo location (Latitude and Longitude).</p> <p>Provide 15-minute averaged data feeds to APPCB's Central Command Centre & RTGS, Govt. of AP applications for integrations.</p>	<p>Transmit real-time data at 1-minute raw resolution and 15-min average feed from all AQMs to APSDC cloud server and integrate with APPCB & RTGS, Govt. of AP via secure API along with the geo location (Latitude and Longitude).</p> <p>Provide 15-minute averaged data feeds to APPCB's Central Command Centre & RTGS, Govt. of AP applications for integrations.</p>
3.6 Visualization Platform	<p>The SP shall provide a fully functional cloud-hosted web and mobile Visualization Platform with the following features:</p>	<p>The SP shall provide a fully functional cloud-hosted web and mobile Visualization Platform with the following terms and conditions:</p> <p>During staging servers i.e., testing until commissioning, the cloud services are to be provided by the service provider. After successful Installation & Commissioning the required software has to be shifted to production servers at AP State Data Centre.</p> <p>Required server configuration will be provided at AP State Data Centre. The data has to transfer from the device to AP State Data Centre.</p> <p>The Service provider shall ensure availability of all the required software tools for shifting to APSDC for smooth functioning.</p>
	<p>The platform shall be hosted on SP's cloud infrastructure with minimum 99.5% platform uptime and automated backups.</p>	<p>The platform shall be hosted on APSDC cloud infrastructure with minimum 99.5% platform uptime and automated backups.</p>

Clause	Existing Entry	Amendment
Section 4.0		
4.1 Financial Eligibility	Minimum average annual turnover of Rs.5 Crore over last 3 financial years (FY2022-23, 2023-24, 2024-25) from environmental monitoring / IoT / data services	Minimum average annual turnover of Rs.5 Crore over any of the 3 financial years (FY2022-23, 2023-24, 2024-25 and 2025-26) from environmental monitoring / IoT / data services
4.2 Technical Eligibility 2. Scale of Prior Deployment	Must have successfully deployed and operated a minimum of 50 IoT-based AQM units in any one project/contract for a Government / PSU / Municipal Authority.	Must have successfully deployed and operated a minimum of 50 IoT-based AQM units in any one or multiple projects /contracts for a Government / PSU / Municipal Authority.
4. NO ₂ & CO Sensor Certification	NO ₂ and CO sensors must be calibrated in a certified laboratory.	NO ₂ and CO sensors must be calibrated with Co-location monitoring to fix the correlation coefficient and using NIST traceable standard gas. Quarterly calibration to be performed in NABL accredited laboratory.
6. Support Infrastructure	Must have a regional support office or authorized service centre in Andhra Pradesh.	Must have a regional support office or authorized service centre in Andhra Pradesh and deploy manpower at APPCB, HO, Vijayawada as a technical support.
SECTION 5		
5.2 Working Principle	PM2.5 & PM10: Optical Particle Counter (OPC) – laser-based light scattering method. Scattered light intensity processed to estimate particle size and mass concentration in µg/m ³ .	Optical Particle Counter (OPC) method for both PM2.5 and PM10
	NO₂& CO: Electrochemical cell sensors calibrated in a certified laboratory against reference analyzers.	NO₂& CO: Electrochemical cell sensors calibrated in a certified laboratory against reference analyzers.
5.4 Physical and Environmental Specifications	Mounting: Wall-mount or pole-mount at 3–5 metres height. 180° minimum free air circulation (270° preferred). Minimum 25 metres from large obstructions.	Mounting: Wall-mount or Only Pole-mount at 3–5 metres height. 180° minimum free air circulation (270° preferred). Minimum 25 metres from large obstructions.

Clause	Existing Entry	Amendment
5.6 Data Collection, Transmission and Validation Criteria	<p>Root Mean Square Error (RMSE) / Error Limits: The vendor shall ensure that the Root Mean Square Error (RMSE) between sensor data and reference station data remains within acceptable limits (e.g., $\leq 20 \mu\text{g}/\text{m}^3$ for PM2.5 and $\leq 30 \mu\text{g}/\text{m}^3$ for PM10) after calibration and correction.</p>	<p>Root Mean Square Error (RMSE) / Error Limits: The vendor shall ensure that the Root Mean Square Error (RMSE) between sensor data and reference station data remains within acceptable limits (e.g., $\leq 10 \mu\text{g}/\text{m}^3$ for PM2.5 and $\leq 20 \mu\text{g}/\text{m}^3$ for PM10) after calibration and correction.</p> <p>$R^2 \geq 0.75 - 0.80$</p> <p>Bias within $\pm 10 - 20\%$</p> <p>Colocation Correlation</p>
SECTION 6		
6.2 Data Retention	The SP shall maintain a complete archive of all raw and processed data for a minimum of 5 (five) years from the date of generation and shall provide APPCB access to historical data at any time upon request.	The SP shall maintain a complete archive of all raw and processed data for a minimum of 5 (five) years from the date of generation and shall provide APPCB access to historical data at any time upon request.
6.3 Data Security	<p>All data transmissions from AQMs to cloud server and from cloud server to APPCB APIs shall be encrypted.</p> <p>Cloud infrastructure shall comply with ISO 27001 or equivalent information security standards.</p> <p>Access to the cloud platform shall be protected by multi-factor authentication (MFA) for all admin accounts.</p> <p>Any data breach or security incident must be reported to APPCB within 4 hours of detection.</p>	<p>All data transmissions from AQMs to cloud server and from cloud server to APPCB/ RTGS, APIs shall be encrypted.</p> <p>The vendor shall follow all the protocols as prescribed by the APSDC/RTGS.</p> <p>Cloud infrastructure shall comply with ISO 27001 or equivalent information security standards.</p> <p>Access to the cloud platform shall be protected by multi-factor authentication (MFA) for all admin accounts.</p> <p>Any data breach or security incident must be reported to APPCB within 4 hours of detection.</p>

Clause	Existing Entry	Amendment
SECTION 7		
7.3 Financial Bid Price Structure	Component A: Data Service Charges – cost of data supply per station per month including all sensor O&M, calibration, data transmission, cloud hosting and data quality assurance.	Data Service Charges – cost of data supply per station per year including all sensor O&M, calibration, data transmission, cloud hosting and data quality assurance. The cost towards O&M, calibration, data transmission, cloud hosting and data quality assurance is in the scope of the service provider.
	Component B: Visualization Platform License – per station per month cost for access to the web/mobile visualization platform, dashboards, alerts and reporting tools. API Integration and Support – per station per month cost for API delivery to APPCB/RTGS, technical integration support, and API uptime maintenance.	Visualization Platform License – Lumpsum cost per year for access to the web/mobile visualization platform, dashboards, alerts and reporting tools. API Integration and Support – per station per month cost for API delivery to APPCB/RTGS, technical integration support, and API uptime maintenance.
7.5 Bid Processing Fee and EMD	EMD of unsuccessful bidders shall be returned within 30 days of award of contract. EMD of the successful bidder shall be converted to / replaced by Performance Security.	EMD of unsuccessful bidders shall be returned within 30 days of award of contract. EMD of the successful bidder shall be returned on submission of Performance Security of 10% of project cost within 15 days of issue of LOA in the form of Bank Guarantee.
SECTION 10 – TERMS AND CONDITIONS:		
10.1 Contract Period and Extension	The contract shall be for a period of one year from the date of award of work. APPCB reserves the right to extend the contract period for additional one year on the same rates, terms and conditions, subject to satisfactory performance, mutual agreement, and approval of competent authority.	The contract shall be for a period of three years from the date of award of work. APPCB reserves the right to extend the contract period for additional one year on the same rates, terms and conditions, subject to satisfactory performance, mutual agreement, and approval of competent authority.

Clause	Existing Entry	Amendment
10.3 Performance Security	The successful bidder shall furnish a Performance Security of 5% of the total contract value within 15 days of issue of LOA, in the form of a Bank Guarantee from a Scheduled Commercial Bank valid for the contract period plus 60 days. The Performance Security shall be forfeited in full or in part in case of default, breach of contract, or abandonment of work.	The successful bidder shall furnish a Performance Security of 10% of the total contract value within 15 days of issue of LOA, in the form of a Performance Bank Guarantee / FD linked PBG from a Scheduled Commercial Bank valid for the contract period plus 60 days. The Performance Security shall be forfeited in full or in part in case of default, breach of contract, or abandonment of work.
10.4 Delivery and Commissioning Timeline	Installation & Commissioning of all stations Within 90 days	Installation & Commissioning of all stations Within 120 days from the date of issue of LOA
ANNEXURE III – FINANCIAL BID FORM (BOQ)	No of Stations 300	No of Stations 150 @ one in each ULB and the remaining in Industrial Hotspots, as per requirement of APPCB.

Note:

1. The Government Institutions and MSMEs registered under the UDYAM registration or with NSIC are exempted from paying EMD and are required to submit valid MSME registration certificate, UDYAM registration certificate or NSIC certificate as applicable.
2. All the amendments mentioned in the corrigendum are applicable throughout the document including the enclosed formats.

**S SRISARAVANAN, I.F.S
MEMBER SECRETARY**