



Central Pollution Control Board
Parivesh Bhawan, East Arjun Nagar, Delhi-110032

Date: 24-06-2022

CORRIGENDUM

Tender ID- 2022_CPCB_686748_1

Tender Title- “ *Design, Development & Implementation of OCEMS Data Acquisition and Management System (ODAMS) for the Control of Pollution from Industries in India*”

(Note: Former name was Design, Development & Implementation of National Data Acquisition and Management System (NDAMS) for OCEMS Direct Data Transfer for the Control of Pollution from Industries in India”)

Subject – Revision in date of last submission of bids, clarification regarding Reference Price Bid Sheet, and updated BOQ.

(A) Revision in Dates

1. The last date for submission of bids is extended to 04.07.2022 on or before 16:00 hrs.
2. Consequently, the revised date sheet is as follows:

Last Date of Submission of Bids	04.07.2022 on or before 16:00 hrs
Date of opening of Technical Bids	05.07.2022 at 16:00 hrs
Venue	Through VC/Central Pollution Control Board, Head Office
Date of Technical Presentations	07.07.2022 (11:00 AM)
Release of list of Technically qualified firms and opening of financial proposals	25.07.2022 at 18:00 hrs

(B) Clarification regarding Reference Price Bid Sheet

WDS

At Section 20 (Reference Price Bid Format), for the item number XV to XX of the format, cost of AMC should exclude the cost of the resident full stack developer since the cost of it is already taken at item number VI of the price bid format.

The prospective bidders are requested to revise their bids accordingly if they have already submitted.

The updated BOQ sheet is enclosed with this corrigendum.


(B. Vinod Babu)

Director & DH, IT
Division

बी. विनोद बाबू / B. Vinod Babu

वैज्ञानिक "एफ" /Scientist "F"
केन्द्रीय प्रदूषण नियंत्रण बोर्ड
Central Pollution Control Board
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार
M/o Env. Forest & Climate Change, Govt. of India
परिवेश भवन, पूर्वी अर्जुन नगर
Parivesh Bhawan, East Arjun Nagar
दिल्ली / Delhi-110032

Tender Inviting Authority	Central Pollution Control Board			
Name of Work	Design, Development & Implementation of National Data Acquisition and Management System (NDAMS) for OCEMS Direct Data Transfer for the Control of Pollution from Industries in India			
Contract No				
Name of the Bidder/Bidding Firm/Company				
Name of items	Quantity	Unit Price (in Rupees excluding taxes at col. No. 4)	Taxes (GST etc.)	Total Amount in Rupees for CPCB.(Price x Qty + Taxes)
1	2	3	4	5
<p>I. Development of Basic Software “National Data Acquisition and Management System (NDAMS) for OCEMS Direct Data Transfer” and its continuous up gradation as per requirement during project duration of seven years. Various modules to be developed are:</p> <p>a. Industry Registration Module– customisation of existing or development of new.</p> <p>b. OCEMS Operational Information Management Module –ORP Module – customisation of existing or development of new.</p> <p>c. Development of Data Acquisition Modules for Interface development for New technology OPC UA Client-Server Architecture, for data connectivity.</p>				

d. Existing API based data interfacing module for data acquisition from existing systems	01(Set)			Price x 01=
e. Data Processing Module				
f. Automated Connectivity Status Monitoring Module				
g. Industry Management Module				
h. Data visualization with location specific Information Module & user Specific Module				
i. HMI Graphic Module				
j. Data Analysis (incl. Data Analytics & Data Mining, AI/ML, GIS) Module.				
k. Development of 100 web pages				
l. Reporting Module with 100 reports				
m. User Management Module				
n. Camera & DVR data acquisition and display Module including history with plugin free mechanism				
o. Messaging Module				
p. Security and Access Control Module				
q. E-Inspection Module				
r. Two audits through CERT in Empanelled firms				
s. Testing and Certifications of each module (Internal team shall issue certification to the effect that all the software facilities are properly functioning without bugs).				

II. Development, configuration, and operation of Universal module for remote calibration and diagnostics of various type of analyzers.	1			01 x Price=
III. AMC to maintain the existing system as operating in three portals, till the time new system is developed and integrates all the existing industries. (As soon as the New Software comes into full fledged operation and all the industries get shifted onto it for continuous data acquisition, the old portal will be closed expected duration is 2yrs, may be reduced as per requirements)	1			01x02Years=
IV. Development of Data Acquisition Modules for i. Interface development of 40 Interfaces (25 existing 25 + 15 others) different types of data loggers listed, for data connectivity.	01 Interface			Price x40 =
ii. Interface development for Direct data acquisition from 150 (115 listed + 35 Others) Analyzer/Instruments of various makes, for data connectivity.	01 Interface			Price x 150 =
V. Service desk a. at CPCB Premise for two years from Go Live! b. Minimum 5 telephone with whatsapp lines operational from 9:00 am to 6:00pm c. Operational with specialised manpower of FIVE Engineers d. having B.Tech Degree in Computer Science/IT and e. having minimum three years experience in real time data acquisition through embedded systems and data communication protocols like MODBUS, M2M, Hadoop etc. f. Selection through interview with CPCB and Bidder team.	1			Price x 01 =
VI. Full stack developers – Two Nos a. To be posted at CPCB HO during office hours for entire 07 years project duration				

b. Should possess an experience of at least five years before taking up the assignment in software development as full stack developer.	2 Developer	Per developer price for 7 years		Price x 02 =
c. Selection through interview with CPCB and Bidder team.				
VII. Deployment of ticket raising tool for various users of CPCB/SPCB/Industry and other agencies requiring modifications/issues/bugs and their follow-ups.	1			Price x 01 =
VIII. Development of Mobile APP on iOS & its continuous upgradation in coming 7 years	1			Price x 01 =
IX. Development of Mobile APP on Android and it's continuous upgradation in coming 7years	1			Price x 01 =
X. Testing and Certifications of all the modules by Internal team every year once in January.	1			Price x 01=
XI. Submission of Software code in physical forms (like CDs or SSDs every year in January) with all the modifications alongwith Manual of installation procedure and code procedures documented during the year for the development.	1			Price x 01 =
XII. Software Audit through CERT-In Empanelled vendors. (audit if to be done as per NIC requirement)	1			Price x 01=
XIII. Hosting of software per year	02 years	Per year price		Price x 02=
XIV. Training (As per Annexure attached) Trainings to Four (4) IT staff members for each technology used in software development as per Annexure	01 Set (Covering all technologies used)			Price x 01 =
XV. AMC First Year (after warranty)	AMC per year			Price x 01 =
XVI. AMC second Year (after warranty)	AMC per year			Price x 01 =
XVII. AMC third Year (after warranty)	AMC per year			Price x 01 =
XVIII. AMC fourth Year (after warranty)	AMC per year			Price x 01 =

XIX. AMC fifth Year (after warranty)	AMC per year			Price x 01 =
XX. AMC sixth Year (after warranty)	AMC per year			Price x 01 =
XXI. Total value of the bid				