

VISAKHAPATNAM PORT AUTHORITY

ENGINEERING DEPARTMENT

(Budgetary Quotation)

No: IENG/EE(Env)/CAAQM/Pt.II

Dated:08.08.2022

Operation & maintenance of continuous online ambient air quality monitoring (CAAQM) stations at three identified areas of Port of Visakhapatnam for a period of 5 years

Visakhapatnam Port Authority intends to invite e-tender for the subject work.

In this regard, VPA invites EOI/budgetary-offer for the subject work on the basis of tentative requirements of services enclosed herewith. The rates quoted must be exclusive of GST. The GST applicable shall be shown separately.

Interested Applicants are requested to submit budgetary quotation at the below address by post/courier on or before **17/08/2022 at 1500 Hrs** or by email at below mentioned email id's.

**The Chief Engineer,
Civil Engineering Department,
Administration Office Building,
Port Area, Visakhapatnam Port Authority,
Visakhapatnam - 530035.**

**Email: 1. cevizagport@gmail.com
2. ce.avp.vpt@gov.in**

Chief Engineer
Visakhapatnam Port Authority

BRIEF SCOPE OF WORK

Operation & maintenance of continuous online ambient air quality monitoring (**CAAQM**) stations at three identified areas of Port of Visakhapatnam for a period of 5 years.

1. Operate & maintenance and related services of the equipment and existing continuous online ambient air Quality monitoring (**CAAQM**) stations at R&D yard, GVMC Stadium and GCB RFID gate in Port area for a period of 5 years duly considering all spares and consumables, manpower, security, Electricity & Telephone charges etc., and the contractor shall ensure that the equipment and stations shall be available in good working condition throughout 5 years period.
2. Report of data pertaining to CAAQMS to VPA.
3. On line transfer of data to VPA & up linking of data to website of VPA. The data should be uploaded to APPCB regularly or any other statutory agencies as directed by the engineer-in-charge from time to time.
4. While furnishing the estimate, the following shall also be considered:

S.No.	Responsibility	No. of persons	Minimum Qualification
1.	In-charge Monitoring Station	1 No. in general shift	M.Sc (Env. Sciences) with relevant experience
2.	Technical Assistant	1No. for each station in general shift	Diploma in Electronics / Electrical With relevant experience
3.	Watchman	Round the clock for all three stations	--

5. DETAILS OF EXISTING EQUIPMENTS IN EACH CAAQM STATION:

Sl.No.	Name of the equipment	Make & year of manufacture	Numbers	Status.
1.	PM ₁₀ Analyzer: MP101M	Environnment SA - 2015	01	Working condition.
2.	PM _{2.5} Analyzer: MP 101 M	Environnment SA - 2015	01	Working condition.
3.	SO ₂ Analyzer: AF 22 M	Environnment SA - 2015	01	Working condition.
4.	NO _x Analyzer: AC 32 M	Environnment SA - 2015	01	Working condition.
5.	Multi gas calibrator: MGC101	Environnment SA - 2015	01	Working condition.
6.	CNH ₃ Analyzer:	Environnment SA - 2015	01	Working condition.
7.	Weather Equipment:			
	a) Rain gauge	LSI, Lastem, Italy	01	Working condition.
	b) Wind Speed/ direction	LSI, Lastem, Italy	01	Working condition.
	c) Temperature	LSI, Lastem, Italy	01	Working condition.
	d) Solar radiation	LSI, Lastem, Italy	01	Working condition.
	e) Relative humidity	LSI, Lastem, Italy	01	Working condition.

- Note:** 1. Multi gas calibrator, Weather equipment at two stations (i.e GCB-RFID gate area and R&D yard stadium area) is installed in May-2020
2. Multi gas calibrator, Weather equipment is installed in 2015 at GVMC Stadium area.

(on the letter head of bidder)

To,

The Chief Engineer,
Civil Engineering Department,
Administration Office Building,
Port Area, Visakhapatnam Port Authority,
Visakhapatnam - 530035.

Sub: Operation & maintenance of continuous online ambient air quality monitoring (CAAQM) stations at three identified areas of Port of Visakhapatnam for a period of 5 years

Sl. No.	Description	Quantity	Unit	Rate in Rs.
1	Operation and Maintenance of CAAQM stations at 3 locations for 5 years (60Months) duly considering all spares and consumables, manpower, security (24X7), Electricity ,Internet &Telephone charges etc. including the submission of daily, weekly, monthly and annual reports.	60	Per month	

Note: Rate shall be exclusive of GST

Seal & Signature of the Consultant

(on the letter head of bidder)

COMPLETED SIMILAR WORKS

Name of work	Year	Name of Party	Address of Party	Value of Contract

Seal & Signature of the consultant