



CHENNAI PORT TRUST

No. MEE/EC3/064/ 2017/ DCME(EC/OS)

BUDGETARY OFFER FOR SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND HANDING OVER OF TWO NUMBERS EXPLOSIVE VAPOUR DETECTOR COMPLETE WITH ALL ACCESSORIES ALONG WITH FIVE YEARS COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT AFTER COMPLETION OF THE GUARANTEE PERIOD FOR THE SECURITY PURPOSE OF CHENNAI PORT TRUST. THE OFFER TO BE SENT TO THE FOLLOWING ADDRESS ON OR BEFORE 28.11.2017:

The Chief Mechanical Engineer

No.1 Rajaji Salai

Chennai Port Trust

Chennai 600 001.

CHENNAI PORT TRUST

BUDGETARY OFFER FOR SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND HANDING OVER OF TWO NUMBERS EXPLOSIVE VAPOUR DETECTOR COMPLETE WITH ALL ACCESSORIES ALONG WITH FIVE YEARS COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT AFTER COMPLETION OF THE GUARANTEE PERIOD FOR THE SECURITY PURPOSE OF CHENNAI PORT TRUST.

SCHEDULE 'A' **TECHNICAL SPECIFICATION**

1.0 GENERAL:

Trust proposes to procure two numbers Explosive Vapour Detector complete with all accessories along with Comprehensive AMC for five years for anti sabotage checks by CISF in Chennai Port Trust..

2.0 SCOPE OF WORK:

PART-I:

1. Supply, Installation, testing, commissioning and handing over of two numbers Explosive Vapour Detector complete with Consumable Kit and all other accessories.

PART-II:

COMPREHENSIVE MAINTENANCE CONTRACT

The Contractor should enter into Comprehensive Annual maintenance contract for the period of Five years after the completion of guarantee period. The Comprehensive AMC includes all spares required for maintaining the system trouble free.

3.0 TECHNICAL SPECIFICATION:

Tenderers shall furnish Offers for all the items as per the detailed Technical specification mentioned below.

3.1 SPECIFICATION OF EXPLOSIVE BOMB DETECTOR COMPLETE WITH CONSUMABLE KIT AND ALL OTHER ACCESSORIES: Qty : 2 Nos.

- a) Technology : Ion Mobility Spectrometry (IMS)
- b) Radiation Source : ^{63}Ni , sealed 15 mCi
- c) Sample Collection : Trace Particle and Vapour

- d) Operating Modes : Simultaneous Explosives/Narcotics, Explosives only, Narcotics only, Chemical Warfare Agents/Toxic Industrial Chemicals
- e) Explosives Detected : RDX, PETN, TNT, TATP, NG, H2O2, EGDN and Others
- f) Narcotics Detected : Cocaine, Heroin, Methamphetamine (including precursors), THC and others
- g) CWAs Detected : Nerve and blister agents such as Tabun, Sarin, Soman, Cyclosarin, Agent VX and Vx
- h) TICs detected : Hydrogen Cyanide (HCN), Phosgene, SO2, NH3 and others
- i) Sensitivity Particle : low nanogram (ng) range. Vapor: low parts per million (ppm) range
- j) False Alarm Rate : Less than 1%
- k) Programmable Channels : 40 (min)
- l) Input Power : 90-264V AC, 47-63Hz
- m) Warm up Time : Less than 10 minutes
- n) Analysis Time : Less than 10 seconds
- o) Battery Operating Time : 5 hours (with two 2.5 hour hot-swap batteries)
- p) Alarm Type : Audio and visual, with substance identification
- q) Display size : 3.5”(min) Color TFT LCD
- r) Data Storage : 2 GB(min) SD card
- s) Operating Humidity : 0 to 95% non-condensing
- t) Hardened Specifications : 1 meter (3') drop to concrete, ability to operate in sand, rain, wind conditions. (IP54 operating, IP53 vapor sampling)
- u) Interface : USB, Ethernet

Note :Each System shall be supplied with Power cable, Charger, battery, One set of Consumable kit etc.,

3.0 COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT:

The successful Tenderer after completion of the Guarantee period will enter into Five years Comprehensive Annual Maintenance Contract with Trust which will include supply of all spares for the replacement .The AMC will cover all the materials supplied by the Tenderer in the subject Tender.

The Comprehensive AMC order will be issued after completion of the guarantee period. Based on the performance of the previous year Annual maintenance Contract, the AMC order will be renewed every year till Five years as per the price quoted by the Tenderer.

4.0 OTHER CONDITIONS:

- 1) The technical specification – “Schedule-A” and Price Schedule – A1” to read in conjunction to make sure of the supply and works involved and Technical Compliance Chart shall be furnished.
- 2) The firms are required to offer rates as per Trust’s format “Schedule-A1” without fail and mention taxes and duties. Trust will not produce Form C or D.
- 3) Technical and Commercial condition shall be clearly furnish in the quotation. The offer shall mention the make and model of the equipment and shall accompany with the relevant technical leaflet.
- 4) The rate should be quoted as per unit.
- 5) The rate quoted should be maintained till the completion of supply and no upward price revision will be agreed to.
- 6) CME can accept or delete any of the items mentioned in Schedule-A1 and also the quantity mentioned is only provisional and it may either increased and decreased by 10%.
- 7) The Tenderer shall have full-fledged servicing facilities at Chennai . The address of the Service Centre at Chennai should also be mentioned in the offer.
- 7) All the contractors should furnish their GST number.
- 8) For further details, the Tenderer shall contact the Executive Engineer (Electronics & Communication) at 4th floor of Old Administrative Office Annex Building, Rajaji Salai, Chennai Port Trust, Opp. Reserve Bank of India, Chennai – 600 001. Phone No.25312708.

CHIEF MECHANICAL ENGINEER



BUDGETARY OFFER FOR SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND HANDING OVER OF TWO NUMBERS EXPLOSIVE VAPOUR DETECTOR COMPLETE WITH ALL ACCESSORIES ALONG WITH FIVE YEARS COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT AFTER COMPLETION OF THE GUARANTEE PERIOD FOR THE SECURITY PURPOSE OF CHENNAI PORT TRUST.

SCHEDULE 'A1'

SCHEDULE OF PRICES & QUANTITIES

Sl. No.	Description of work	Qty.	Unit	Rate/Unit	Amount
1.	Supply of Explosive Vapour Detector complete with consumable kit and all other accessories as per Trust's specification.	2	Nos.		
1(a)	GST @%				
1(c)	Installation, commissioning, testing and handing over Charges	2	Nos.		
1(d)	GST @ -----%				
TOTAL Rs.					

NOTE:

1. The prices offered shall include all transportation, insurance charges, etc.,
2. Trust will not furnish "C" or "D" form.

CONTRACTOR



ITEM NO: 2

COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT FOR FIVE YEARS AFTER THE GUARANTEE PERIOD OF ONE YEAR .

SCHEDULE 'A1'

SCHEDULE OF PRICES & QUANTITIES

Sl.No.	Description of work	Qty.	Unit	Rate/Unit	Amount Rs.
1 (a)	Annual maintenance contract for First year.	2	Nos.		
1(b)	GST @%				
2(a)	Annual maintenance contract for Second year.	2	Nos.		
2(b)	GST @%				
3 (a)	Annual maintenance contract for Third year.	2	Nos.		
3(b)	GST @%				
4(a)	Annual maintenance contract for fourth year.	2	Nos.		
4(b)	GST @%				
5 (a)	Annual maintenance contract for Fifth year.	2	Nos.		
5(b)	GST @%				
	Grand Total Rs.				

NOTE:

- (1) Tenders without quote for 5 years AMC after the completion of 1 year guarantee period will not be considered for evaluation.**
- Tenderer shall furnish Offer for all the items mentioned above.
- The total cost under Item No I and Net Present value(NPV) of Item No.II will be taken for the evaluation of financial merit.

CONTRACTOR