

NOTICE INVITING BUDGETORY OFFERS

Name of Work	"SITC of 1 nos. Door Frame Metal Detector with five years CAMC after the guarantee period at MPA"
Date of submission of budgetary quotation	On or Before 20/01/2023 at 15:00 Hrs.
Address for communication:	Executive Engineer (E-HR), 2nd floor, Mechanical Engineering Department, Mormugao Port Authority, Admin. Building, Headland sada Vasco-de-Gama Goa - 403804
Contact Details	Phone : (0832) 2594207, 2594577 Email : mohamed.shaik@mptgoa.gov.in
Website	www.mptgoa.gov.in

EXECUTIVE ENGINEER (E-HR)
MORMUGAO PORT AUTHORITY

Sub: "SITC of 1 nos. Door Frame Metal Detector with five years CAMC after the guarantee period at MPA "

Ref: Budgetary Quotation No. CME/XEN (E-HR)/ 22/H-12/B5

Mormugao Port Authority intends to carryout work of "Supply, Installation, Testing and Commissioning of 1 nos. Door Frame Metal Detector with all accessories for the use of cruise terminal with five years Comprehensive Annual Maintenance Contract after the guarantee period at MPA "

As such, it is requested to kindly furnish budgetary quotation for the same (Scope of work, technical specifications are enclosed at Annexure-I and Price Schedule enclosed at Annexure- II).

Your budgetary quotation should reach to this office on or before **20/01/2023 at 15:00 Hrs.**

Thanking you,

Yours sincerely,

EXECUTIVE ENGINEER (E-HR)

Annexure-I

TECHNICAL SPECIFICATION

Bid should be complete and covering the entire scope of work and should conform to the technical specifications indicated in the bid documents. Incomplete and non-conforming bids will be rejected outright.

1. SCOPE OF WORK

The scope of work broadly involves Supply, Installation, Testing and Commissioning (SITC) of 1 nos. Door Frame Metal Detector complete with all accessories for the use of Cruise Terminal with 5 years Comprehensive Annual Maintenance Contract (CAMC) after the guarantee period At Mormugao Port Authority.

1. SCOPE OF WORK

Part-A:

Supply, installation, testing and commissioning of Highly Reliable & Rugged Door Frame Metal Detector complete with all accessories.

Part B: COMPREHENSIVE MAINTENANCE CONTRACT

The Tenderer shall enter into comprehensive annual maintenance contract for the period of 5 years after the completion of one year Guarantee period. The Tenderer shall quote for maintaining the entire system for the period of five years including replacing of all the spares after completion of one year guarantee period.

Note : The CAMC shall include all spares required for maintaining the Door Frame Metal Detector during the guarantee period.

2. DETAILED TECHNICAL SPECIFICATION

2.1. Door Frame Metal detector

1.	Height	2000 mm
2.	Breadth	720 mm
3.	Width	570 mm
4.	Weight	Not more than 80 Kg
5.	Construction of Walk-through Arch	Light weight, rigid, laminated side panels and cross piece with ABS plastic boots for panel protection
6.	Material of Walk-through Arch	Fibre
7.	Provided with a floor panel to attach both side panels to give stability & rigidity to the structure	Yes
8.	Water proof	Yes
9.	Weather proof	Yes
10.	Type of usage	Outdoor
11.	Detection Zones	Multiple Zones
12.	Function	Detects Ferrous, Non-Ferrous and alloy metals concealed in the body of a person when passed through the arch way
13.	Capacity / throughput rate (person/min)	30 or more
14.	Number of Horizontal Detection Zones covering full Height	Atleast 8 or more
15.	False Alarm rate	2%
16.	Metals detectable	Ferrous, Non-Ferrous, Ferrite & Alloys
17.	Uniform Detection from top to bottom	Yes
18.	Capable of Metal Detection in all orientations	Yes
19.	Detect multiple objects of various size, weight and shape in all the zones simultaneously from head to toe	Yes
20.	Capable of Metal Detection in walking speed of interception	Yes
21.	Performance independent of the speed of person passing through	Yes
22.	Audio-Visual indication on detection at side panels and control panel	Yes
23.	Audible Alarm on detection with adjustable volume	Yes
24.	Bar Display to indicate Metal location w r t Height on person	Yes
25.	Audio-Visual Low Battery indication	Yes
26.	Back-lit Display	Large LCD/ LED bar graph signal strength indicator, High bright LED zone display,

MORMUGAO PORT AUTHORITY
ENGINEERING MECHANICAL DEPARTMENT
ELECTRICAL HARBOUR SECTION

27.	Operational Frequencies	User selectable
28.	Number of User Selectable frequencies	15
29.	Adjustable Sensitivity	Yes
30.	Number of Sensitivity Levels / Steps	250
31.	Uniform Sensitivity in all zones	Yes
32.	Calibration	Both manual and Auto Calibration
33.	Provision to secure access to the control unit by a password protected alpha numeric keypad	Yes
34.	Re-setting after alarm condition	Re-set itself (auto) within 3 Seconds
35.	Walk / Stop indicator for traffic control	Yes
36.	Control Panel	Easy accessible control panel made of power coated aluminium with key lock, with modular design and standard plugs and connectors. Adjustable controls should only be activated on insertion of password.
37.	User friendly self-testing diagnostics to identify faulty condition	Yes
38.	Automatic synchronization for detectors Do not interfere with adjacent installed detectors located close to each other upto a distance of	2 Foot
39.	Static Metal Compensation Not affected by heavily reinforced floors / roof tops / walls	Yes
40.	High discrimination between small masses and personal metallic objects	Yes
41.	Not affected by external RF transmission and EMI (Electro Magnetic Interference)	Yes
42.	Not affected by interference, which is mains-borne or radiated by external source	Yes
43.	Not affected by the operation of radio, Mobile phones, walkie-talkie sets, X-ray monitors etc within a distance of one meter	Yes
44.	Not affected by moving metallic items such as trolleys, opening / closing of metallic gate etc, one meter away from the archway	Yes
45.	Harmless to wearers of pacemakers, defibrillators or other vital support systems, pregnant women and magnetic storage media	Yes

46.	Not affected by infrared, ultraviolet, electromagnetic or RF radiation	Yes
47.	Conform to international security standards of Safety / Radiation	Yes
48.	Harmless to magnetic media, electronic devices, Film safe and Data safe	Yes
49.	Operating Temperature Range (Degree C)	10 to 55 Degree C
50.	Operating Humidity - Non condensing (RH)	95%
51.	Source of Power	Operated by AC mains supply and alternatively by rechargeable battery
52.	Power Supply	220V \pm 10%V AC
53.	Battery & Backup	Re-chargeable, maintenance free, internal battery with charger, 12-16hrs backup
54.	One Standard Test Piece for each machine for testing during commissioning / maintenance	Yes
55.	Training tools- Charts, slides, training brochure, training work model, blow-up diagram, video films on demonstration and use etc.	Inclusive in the scope of supply
56.	Technical manual giving full description of the item, user's handbook and literature	Yes with technical training
57.	Availability of Spares for a period of 7 years after the warranty period	Yes
58.	Availability of Test Report from NABL/ILAC accredited or Central Government Lab to prove conformity of products to the specification	Yes

3. INSTALLATION AND COMMISSIONING:

The Door Frame Metal Detector shall be installed using necessary instruments and tools which are to be supplied by the contractor at the location pointed out by Trust Engineer. The special tools instruments needed for regular servicing / maintenance working shall be supplied free of cost by the contractor. All the materials required for the installation and commissioning at site including the material for civil works will be supplied by the Contractor.

4. Special care be taken to prevent any damage to the MPA property during installation and commissioning. The system as also the sub system shall be elegant pleasing in appearance and if necessary suitably painted to withstand

saline atmosphere prevailing in the Port premises. The equipment shall be tested for satisfactory performance and the essential parameters shall be highlighted for periodic testing and services.

All the equipment shall be Guaranteed for a period of 12 months (inclusive of replacement of all spares at free of cost) from the date of receipt and acceptance of the equipment by the Trust Engineer.

5. COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT:

a) CONTRACT PERIOD:

The Comprehensive AMC order will be issued after Successful completion of the one year Guarantee period. Based on the performance of the First year Annual maintenance Contract, the CAMC order will be renewed every year till Five years as per the price quoted by the Tenderer. During CAMC, the contractor has to replace all the spares which are required has to replace at free of cost.

Periodical maintenance on once in 2 months and breakdown maintenance as and when informed by Mormugao Port Authority. Replacement made in respect of defective units to set right the malfunction of the system concerned.

Repairs/rectification replacement of all components/PCB as deemed necessary by firm Engineers shall be at free of cost.

6. MINIMUM ELIGIBILITY CRITERIA

- 6.1 The Bidder shall have successfully carry out the SITC of Door Frame Metal Detector for last 7 (Seven) years ending last day of month previous to the one in which quotations are invited.

7. SPECIAL TERMS AND CONDITIONS

- i. The Contractor shall commence and complete the work as per the BOQ and technical specifications.
- ii. The Contractor shall complete the work in all respect to the satisfaction of the Engineer-In-Charge or his representative.

8. OTHER TERMS AND CONDITIONS

- i. The firm should engage skilled service personnel with the relevant required tools and instruments for commissioning the same.
- ii. The Contractor personnel engaged in the work shall follow all safety, security and General Rules enforced by Mormugao Port Authority (MPA) and the firm will only be responsible for the same.
- iii. MPA will not be responsible for any loss or damage of the men / materials / tools / plants engaged by the firm during the work at site / transportation.
- iv. Necessary entry passes shall be obtained by the firm at their own cost with the approval of Port Officials.
- v. Necessary electrical power supply required for testing will be provided by MPA at free of cost at nearest possible point.

PRICE SCHEDULE (BILL OF QUANTITIES)

PART - A

Sr No	Description	Unit	Qty	Unit Rate in (Rs.)		Amount in (Rs.)
				In fig.	In words	
1.	Supply, installation and commissioning of Door Frame Metal Detector complete with all accessories as detailed in the Technical Specification – Annexure-I					
	(i) Supply	No.	1			
	(ii) Installation, Testing & Commissioning.	No.	1			
TOTAL OF 'PART – A'						

(In Words Rupees _____
_____ only)

PART - B

Sr. No.	Description of work	Unit	Qty.	Rate per Unit (Rs.)		Amount (Rs.)
				In figure	In words	
1.	Comprehensive Annual Maintenance Contract					
a.	1 st year CAMC	LS	1			
b.	2 nd year CAMC	LS	1			
c.	3 rd year CAMC	LS	1			
d.	4 th year CAMC	LS	1			
e.	5 th year CAMC	LS	1			
TOTAL AMOUNT 'PART B'						
NET TOTAL = TOTAL OF [(PART A) + (PART B)]						

Note: a) Tenders without quote for 5 years Comprehensive AMC will be treated as incomplete and will not be considered for further evaluation.

b) The offered rates shall be inclusive of all taxes and duties except GST which will be paid as extra as applicable. However, any new tax will be imposed by State/Central Govt. and same will be reimbursed on producing documentary proof.

C) L1 will be selected on NET total A+B.