

CONSULATE GENERAL OF INDIA
Milan

**REQUEST FOR PROPOSAL FOR
PROCUREMENT OF SECURITY EQUIPMENTS**

1. Schedule of Requirements – List of items/services required is as follow:-

Sl. No.	Items	Quantity
	Door Frame Metal Detector (DFMD)	01

Technical Specifications of Single zone Door Frame Metal Detector (DFMD)

(Water proof/ weather proof)

- 1. Technology** : Suitable Latest Technology
- 2. Dimension** : Detection area – Height: not less than 205 cm
Width: 72 -80 cm
Depth: 57 -60 cm
- 3. No. of Zones** : Single zone
- 4. Operational Frequencies** : User Selectable
- 5. Sensitivity** : Adjustable
- 6. Zone sensitivity & adjustment** : Single Zones along with minimum 05 frequencies
- 7. Metal detection** : (i) Should detect
(a) Ferrous, Non Ferrous, Ferrite & Alloys
(b) Uniformly in entire area
(c) In all orientation and
(d) In walking speed of interception
- 8. Alarm** : i) Audible alarm on detection with adjustable volume.
- 9. Display** : Back lid LED display
- 10. False Alarm Rate** : Less than 3%
- 11. Interference Suppression** : i) Should not interfere with adjacent installed DFMDs within distance of 1 foot.



- ii) Should not be affected by opening/ closing of a metallic gate in vicinity.
- iii) Should not be affected by heavily reinforced floors/roof tops/ walls.
- iv) Should not be affected by external RF transmission and EMI (Electro-Magnetic Interferences), supported by Test **certificate from NABL or other accredited labs from the country of origin of the equipment.**

12. Capacity/Throughput rate: 20 persons or more per minute Adjustable Traffic count is acceptable

13. Power supply : (a) 220 VAC 50Hz Mains +/-10%

(b) Rechargeable maintenance free internal battery for minimum 10 hrs operation with inbuilt charger (**External batteries will not be acceptable**)

(c) Audio Visual low Battery indicator

(d) Instrument should also work in case of without battery back-up through power supply.

14. Calibration : Inbuilt auto calibration capability

15. Safety : (a) The bidder shall submit a certificate from any accredited laboratory regarding its adverse effects on human and machines. Harmlessness to magnet media, heart pacemaker and pregnant women

(b) Should confirm to international standards of safety/ radiations.

(c) Should be Data safe.

16. Self Diagnostics : User-friendly, self-testing diagnostics to identify faulty conditions.

17. Operating Ambience : Temperature – From 5 Degree C to 55 Degree C
Humidity – Upto 95% Non condensation.

18. Control Panel : Easily accessible, modular design with standard plugs and connectors. Adjustable control should only be activated on the insertion of removable key or by password.

19. Construction : Lightweight, Rigid, laminated side panels and cross piece, ABS plastic boots for panel protection. Base wheels for easy mobility & should be **waterproof/ weather proof** and usable at outdoor locations. It should have a floor panel to attach both side panels to give stability & rigidity to the machine.



- 20. Warranty** : Warranty of three years. Sufficient spares should be available in stock with the supplier from the manufacturer and certificate for availability of spare parts *in Milan* or at least 7 years after the warranty period.
- 21. Accessories** : i) One test sample for each machine testing during commissioning and during maintenance.
- ii) Training tools – charts, slides, brochures, training work, model blow up diagram, video films demonstrations and use etc.
- iii) Technical manual giving full description of the items practical training at least 4 times in a year continuing during warranty period.
- iv) User hand book and literature on preservation/ maintenance as applicable.
- v) Procedure for packing, handling, transportation, storage and battery replacement.
- 22. Counters** : Counting of number of person passing the sensing zone – inbound/ outbound



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