

CONSULATE GENERAL OF INDIA
Milan

**REQUEST FOR PROPOSAL FOR
PROCUREMENT OF SECURITY EQUIPMENT**

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

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

Technical Specifications of Multi 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** : Minimum 8 zones
- 4. Operational Frequencies** : User Selectable
- 5. Sensitivity** : Adjustable
- 6. Zone sensitivity & adjustment** : All Zones individually adjustable
- 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
(ii) Pin point detection with indication at correct zone level
Without interference/false identification of adjacent zones.
- 8. Alarm** : i) Audible alarm on detection with adjustable volume.
- 9. Display** : Suitable anti-glare counter and zone display of DFMD- readable
To person with normal eye sight in day and night time without
any strain to eyes.
- 10. False Alarm Rate** : Less than 3%
- 11. Interference Suppression** : i) Should not interfere with adjacent installed DFMDs within
a 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

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 conform to international standards of safety/radiations.

(c) Should be Data safe.

16. Self Diagnostics

: User-friendly, self-testing diagnostics to identify faulty condition.

17. Operating Ambience

: Temperature – From 5° C to 55° 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

: Construction should be conforming to IP 65 standards. Lightweight, Rigid, Laminated side panels and cross piece, ABS plastic boots for panel protection, Base wheels for easy mobility & should be waterproof/ and weatherproof 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

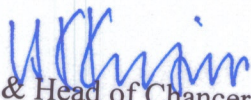
: Warranty of 3 years. Sufficient spares should be available in stock with the supplier from the manufacturer and certificate for availability of spare parts **in Milan** or at least 7 years after the warranty period.

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 item Practical training at least 4 times in a year continuing during warranty period.
- iv) User's 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 persons passing the sensing zone – inbound/ outbound


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