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# विक्टोरिया मेमोरियल हाल VICTORIA MEMORIAL HALL

(भारत सरकार के संस्कृति मन्त्रालय के प्रशासनिक नियन्त्रण  
के तहत एक स्वायत्त संगठन)  
(An autonomous organisation under the administrative  
control of the Ministry of Culture, Govt. of India)

V. M. No. 1582/IVB-87/07

6 September 2016

## NOTICE INVITING QUOTATIONS

QUOTATIONS ARE INVITED FOR SUPPLY, INSTALLATION AND COMMISSIONING OF 6 NOS. FIXED TYPE WALK THROUGH MULTI-ZONE ALL WEATHER-PROOF DOOR FRAME METAL DETECTORS COMPLETE WITH ALL ACCESSORIES FOR VARIOUS OUTDOOR GATES SITUATED IN DIFFERENT OPEN AREA ALONG WITH COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT FOR 5 YEARS AT VICTORIA MEMORIAL HALL. THE TENDER MAY BE SENT TO THE FOLLOWING ADDRESS ON OR BEFORE 23.09.2016 (UPTO 2 PM). TENDER WILL BE OPENED ON THE SAME DAY AT 3.30 P.M. IN THE OFFICE CHAMBER OF THE ADMINISTRATIVE OFFICER. THE QUOTATIONERS MAY REMAIN PRESENT AT THE TIME OF OPENING OF THE TENDER.

The Administrative Officer  
Victoria Memorial Hall  
Kolkata – 700 071

**QUOTATION INVITED FOR SUPPLY, INSTALLATION AND COMMISSIONING OF SIX NUMBERS FIXED TYPE WALK THROUGH MULTIZONE ALL WEATHERPROOF DOOR FRAME METAL DETECTORS COMPLETE WITH ALL ACCESSORIES FOR VARIOUS OUTDOOR GATES ALONG WITH COMPREHENSIVE AMC FOR 5 YEARS AT VICTORIA MEMORIAL HALL (VMH).**

**TECHNICAL SPECIFICATION**  
**SCHEDULE 'A'**

**1.0 General:**

The VMH proposes to install Six numbers Fixed type Walk through Multi-zone all Weatherproof Door Frame Metal detectors complete with all accessories for security checking at the various outdoor gates along with comprehensive AMC for 5 Years after completion of one year Guarantee period at VMH.

**2.0 Scope of work :**

**Part I: SUPPLY ,INSTALLATION AND COMMISSIONING**

Supply, installation and commissioning of Six numbers Fixed type walk through Door Frame Metal Detectors Complete with suitable stabilizer and all other accessories.

**Part II : COMPREHENSIVE MAINTENANCE CONTRACT**

a) The Tenderer should enter into Comprehensive Annual maintenance contract for the period of Five 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 : i) **VMH will accept only the guarantee and not Warranty of the system offered.**

ii) The scope of work including all spares required for maintaining the DFMD's during the guarantee period.

**3.0 Technical Specification:**

**3.1. Fixed type Multi-zone Weatherproof Door frame metal detectors complete with suitable stabilizers and all other accessories.**

**Qty : 6 Nos. (FIXED)**

I. TECHNICAL				
Sl.No.	Technical Specification	VMH's Requirements	Complied	Not complied
	<b>6 Nos. MULTIZONE FIXED TYPE DOOR FRAME METAL DETECTORS</b>			
1	Make:			
2	Model:			
3	Technology	Micro Controller based		
4	No. of Detection zones	The entire Walk through plane shall having 9 zones covering full height of the instrument.		
5	Passage Clearance size	Height 2000 mm. (approx.) X Width 700mm (approx.) The dimensions mentioned are Minimum.		
6	Power supply	Shall work on 230 volts AC as well as on Battery Back up during the power failure upto a period of 4 hours.Each unit shall be supplied with necessary Batteries for Back up.		
7	Alarm	Shall have audio as well as visual LED alarm. Shall have Low battery indication.		
8	Sensitivity	Shall have wide range of sensitivity setting and fine tuning. Zone wise sensitivity setting is required.		
9	Calibration	Shall be both manual and automatic by built-in key pad. All functions shall be programmable and controlled by a microprocessor.		
10	Counter	Shall have traffic counter and alarm on either side to calculate the traffic flow		
11	Detection	uniform from top to Bottom		

12	Throughput rate	25 people(minimum) per minute		
13	Metal to be detected	Shall be able to detect multiple metal of various size in all the zones simultaneously.		
14	Protection	Shall Conform to relevant Electric Safety Standard Supported by Test Certificates from NABL (India) or other accredited Labs from the country of origin of the Equipment		
15	Other Features	High Discrimination between small masses and personal metallic objects.		
		Automatic synchronization of DFMD's located close to each other upto a distance of one feet side by side		
		Programming protected by password		
		Magnetic field should be harmless to magnetic media ,Electronic devices Supported by Test certificates from NABL(India) or other accredited labs from the country of origin of the equipment, Wearers of heart pacemakers and pregnant women (by a Govt. recognized Medical Institute).The safe magnetic level for Pregnant Ladies and Cardiac pace maker users should be as per ICNIRP guide lines (International Commission On Non Ionizing Radiation Protection). The reference values for general public are given in Table VII of the ICNIRP guide lines.		
		Should not be affected by Opening/Closing of a metallic gate in vicinity.		

		Should not be affected by heavily reinforced floors.		
		Should not be affected by external RF transmission and EMI(Supported by Test certificates from NABL (India) or other accredited labs from the country of origin of the equipment		
16	Weatherproof protection	Since the DFMD's are to be located in the open air environment, hence the system shall withstand hostile with humidity prevailing in VMH areas and design shall take care of all necessary protection for Rain and Rust protection		

Each Door frame metal detector shall be supplied with all accessories, suitable stabilizers, walk through door frame, control unit, Batteries and inter connecting cables, etc.,

Note : The scope of supply includes supply of all materials and successful commissioning of the system.

#### **4.0 INSTALLATION AND COMMISSIONING:**

The Door frame metal detector shall be installed using necessary instruments and tools which are to be supplied by the selected firm at the location pointed out by Security Officer, VMH. The special tools instruments needed for regular servicing / maintenance working shall be supplied free of cost by the Firm. Necessary inter linking cable shall be supplied by the firm along with the door frame metal detectors for satisfactory operation. All the materials required for the installation and commissioning at site **including the material for civil works** will be supplied by the Firm.

Special care be taken to prevent any damage to the VMH's property during installation and commissioning. The system as also the sub system shall be elegant pleasing in appearance and if necessary suitably painted in the VMH premises. The equipment shall be tested for satisfactory performance and the essential parameters shall be highlighted for periodic testing and services.

**5.0 The DFMD's & all the materials shall be Guaranteed for a period of 12 months (inclusive of replacement of spares at free of cost ) from the date of receipt and acceptance of the equipment by the Security Officer, VMH. VMH will not accept Warranty for the equipments.**

**Offers without Five years AMC period will not be considered for further evaluation.**

#### **6.0 ANNUAL MAINTENANCE CONTRACT:**

##### **a) SCOPE OF WORK:**

The Supplying Firm shall get into a comprehensive annual maintenance contract immediately on completion of one guarantee period .VMH order will be placed on the Firm as per the AMC prices quoted in the tender. The scope of work includes comprehensive annual maintenance of all items supplied vide this tender. The firm shall ensure that all the systems working trouble free and continuously

##### **b) CONTRACT PERIOD:**

The 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 AMC order will be renewed every year till Five years as per the price quoted by the Tenderer. During AMC, the Firm has to replace all the spares at free of cost.

##### **c) TERMS OF PAYMENT:**

On satisfactory completion of monthly servicing and on certification by the Security Officer, VMH, Quarterly payment will be recommended on pro-rata basis on production of pre-receipted bill in the VMH format.

The firm shall furnish their Bank details/Account No. and PAN in order to effect payment thro' ECS.

**d) SECURITY DEPOSIT FOR AMC:**

The Security deposit of 5% to be paid by the successful Tenderer will be kept as Security Deposit for the Annual maintenance contract for a period of five years and the same will be refunded after successful completion of 5 years AMC period.

**e) AGREEMENT /UNDERTAKING FOR AMC:**

An agreement /Under taking in the VMH's prescribed format will be sent to the selected firm for execution.

**f) PENALTY CLAUSE (FOR AMC)**

- i) 70% of the contract value pertains towards the cost of spare parts for the maintenance of the Door Frame Metal Detectors and the balance 30% is for the labour cost. Hence if the minimum servicing once in a month is not carried out, 30% of the contract value for the respective month will be deducted from the bill towards the labour cost alone.
- ii) Breakdown calls shall be attended by the firm within 24 hours from the time of receipt of breakdown message from the VMH. In case the firm is not responding to VMH's urgent calls, ½% of the AMC cost per week (a week is defined as 7 days inclusive of holidays) or part thereof subject to a maximum of 5% of the AMC cost will be deducted from the firm's bill.
- iii) Advance information of at least 24 hours shall be given by the firm before undertaking maintenance and servicing works.

**7.0. 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. Shall visit the site before furnishing any offers.
- 2) The firms are required to offer rates as per VMH's format "Schedule-A1" without fail and mention taxes and duties. VMH will not produce Form C or D.
- 3) The Tenderer shall fill all the details in the enclosed checklist without fail.

- 4) Technical and Commercial condition shall be clearly furnished in the quotation. The offer shall mention the make and model of the equipment and shall accompany with the relevant technical leaflet.
- 5) The rate should be quoted as per unit.
- 6) The rate quoted should be maintained till the completion of supply and no upward price revision will be agreed to.
- 7) The work shall be completed within **30 days** from the date of receipt of order.
- 8) **The prices for the equipment and Net Present Value (NPV) of AMC Charges inclusive of taxes for five years will be taken for arriving at the order of merit. However the NPV will be calculated manually and the lowest offer will be intimated.**
- 9) **Earnest Money Deposit (EMD) of Rs. 18000/- (Rupees eighteen thousand) only in form of Accounts Payee Cheque/ Demand Draft on any Nationalized Bank in favour of "The Trustee of Victoria Memorial, Kolkata" should be submitted with the tender / quotation, which will remain valid for a period of 45 days beyond the final bid validity period. EMD is returnable to the unsuccessful tenderers on or before 30<sup>th</sup> day after the award of the contract. The successful tenderer will have to deposit Performance Security of 5% of the value of the contract in the same manner as in case of deposit of EMD, which should remain valid for a period of 60 (sixty) days beyond the date of completion of all contractual obligations. The EMD will be forfeited if the performance Security is not deposited within 7 days from the date of issue of supply order in this regard.**
- 10) **The Firm shall furnish their VAT No./Service Tax registration No. along with the offer.**
- 11) **The clarifications, if any, the firm may contact Security Officer, VMH, Kolkata Telephone No. 9830018326, E-mail: [tanmoykb1965@gmail.com](mailto:tanmoykb1965@gmail.com)**

**Administrative Office  
Victoria Memorial Hall**



**SCHEDULE OF PRICES AND QUANTITIES**

**"SCHEDULE A1"**

**ITEM No. I :**

<b>Sl. No.</b>	<b>Description of Work</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate/ Unit Rs.</b>	<b>Total Amount Rs.</b>
1.	Supply of Fixed type Multi-zone Door frame Metal detector complete with suitable stabilizers and all other accessories as detailed in the technical specification of Schedule "A".	6	Nos.		
1a	VAT @ ..... for the items (1)		Lumpsum		
1b	Installation and commissioning charges for the items (1)	6	Nos.		
1c	Service Tax for item 1b @-----%		Lumpsum		
TOTAL Rs.					

(Rs. Duties)

Only inclusive of all Taxes and

**Note:**

The Tenderer shall furnish their Offers for all the items mentioned above else it will be treated as incomplete offer and shall not mention any of the above items as included.

If any of the statutory levy mentioned above is Not required the same may be stated as NIL.

If any of the statutory levy is required other than the one mentioned above, the same may be indicated separately along with the rate at which it is charged. Service Tax will be paid only on production of applicable documentary proof for evidence as per VMH Condition.

**Tenderer's Signature and Seal**

**ITEM No.II**

**COST FOR THE COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT  
FOR FIVE YEARS AFTER THE GUARANTEE PERIOD**

Sl. No.	Description of work	Cost for the Comprehensive Maintenance Contract
<b>I.</b>	<b>Comprehensive Annual Maintenance Contract for five years after the guarantee period.</b>	
1.	1 <sup>st</sup> Year	
1(a)	Service Tax @ -----%	
	Total cost for the first year	
2.	2 <sup>nd</sup> Year	
2(a)	Service Tax @ -----%	
	Total cost for the second year	
3.	3 <sup>rd</sup> Year	
3(a)	Service Tax @ -----%	
	Total cost for the third year	
4.	4 <sup>th</sup> Year	
4(a)	Service Tax @ -----%	
	Total cost for the fourth year	
5.	5 <sup>th</sup> Year	
5(a)	Service Tax @ -----%	
	Tota cost for the fifth year	
<b>6.</b>	<b>Grand Total (for 5 Years) Rs. Inclusive of all taxes and duties</b>	

**Note:**

- (a). Tenders without quote for 5 years AMC will be treated as incomplete and will not be considered for further evaluation.**
  
- 1. The prices for the equipment and Net Present Value (NPV) of AMC Charges inclusive of taxes for five years will be taken for arriving the order of merit . However the NPV will be calculated manually and the lowest offer will be intimated.**
  
- 2. VMH's order for the Annual Maintenance Contract will be placed only on the year-wise AMC Price quoted by the Tenderer.**

**TENDERER**