

LOK-SABHA SECRETARIAT
PARLIAMETN HOUSE, NEW DELHI

NOTICE INVITING TENDER

Sealed tenders in two bid system are invited from the Original Equipment Manufacturers or their Authorized Distributors for supply of the following security equipments.

Sl. No.	Name of the Equipment	Tunnel Size	Quantity
01	X-Ray Baggage Inspection System	i) 40 cm x 60 cm	02 nos.
		ii) 100 cm x 100 cm	04 nos.

2. Detailed **Specifications of the X-Ray Baggage Inspection System and Terms & Conditions** may be downloaded from the official website of Lok Sabha Secretariat at www.parliamentofindia.nic.in
3. The sealed tenders addressed to “**The Joint Secretary(Security), Lok Sabha Secretariat, Room No. 108, Parliament House, New Delhi- 110001**” will be received up to **1300 hrs on 23-01-2014** at The Parliament House Reception Office, Raisina Road, New Delhi. The sealed Technical bids will be opened on **23-01-2014 at 1600 hrs** in the presence of the bidders or their authorized representatives who may like to be present with prior intimation to this Secretariat on Telephone No.011-23035279 latest by 1300 hrs on **23-01-2014**.

(A.K. JAIN)

Terms & Conditions for X-Ray Baggage Inspection System (XBIS)

1. Prices should be quoted in Indian Rupees and F.O.R Lok Sabha Secretariat.
2. The prices should be excluding of all taxes/duties.
3. The offers should be valid for 180 days from the date of opening of tenders.
4. The tenders should be accompanied with bid security @ 5% of bid value in the form of “Demand Draft” drawn in favour of “Drawing & Disbursing Officer, Lok Sabha, New Delhi”. Tenders without bid security will summarily be rejected. Bid security of the successful tenderer will be retained as Security Deposit/Performance Security and will be refunded to the successful bidder on receipt of Performance Security @10% of the contract value in the form of bank guarantee. Bid security of unsuccessful bidders will be returned within 30 days after the award of contract of procurement to the successful bidder.
5. Bidders registered with DGS&D are exempted from furnishing bid security and to avail it, supporting certificate of registration with DGS&D should be submitted with the bids. However, Performance Security @10% of bid value in the form bank guarantee will have to be furnished by successful bidder after receipt of supply order.
6. The bidder has to submit tender bid in two parts, in separate covers. One cover containing the Technical bid and the other Price bid. The sealed Technical and Price bids should be placed inside a large sealed cover. In the Technical bid the bidder must submit all the relevant details for alternative/optional items offered.
7. The tenderer(s) should ensure availability of after sales service and spare parts. All the tenderer(s) should give an undertaking that they would render after sales service and supply of spares throughout the declared life of the equipment i.e., eight to ten years from the date of supply and installation to this Secretariat. The firm should also provide complete operational training of the equipment to the concerned staff members of this secretariat at no extra cost.
8. The tenderer(s) should ensure the availability of after sales service during the warranty period, which should also include replacement of all spares, repairs and testing of the equipment and cost of shipment of the equipment for repairs to the company’s service center.

9. Only those firms who are in a position to arrange working demonstration of the equipment(s) offered within 30 days of notice and supply the equipments within 45 days after the placement of purchase order should furnish their bids.

10. **Buyback Offer:** The bidders **must** submit buyback offers for **5 nos. of non-working** XBISs, Model: RAP-14 (2 nos.), RAP 15-(2 nos.), RAP-8 (one no.) and **6 nos. of working** XBISs Model: ECR-520 (one no.), ECR 520-B (one no.), ECR 526 B (one no.), ECR-528 (two nos.) and ECR-530 (one no.) on as & where is basis.

11. **AMC:**

(a) Tenderer(s) should quote for AMC for a period of Five years. The AMC charges should not exceed the prevailing rates of MHA at the time of entering in to AMC. There should be no annual escalation in AMC charges.

(b) Final price will be compared after adding AMC charges and deducting the buyback price.

(c) AMC will be comprehensive i.e. inclusive of all spare parts.

(d) AMC period will start after expiry of Guaranty/ Warranty period and payment of AMC charges will be made on half yearly basis.

(e) Response time after information – Within 01 hour.

(f) Maximum time for repair – Two days.

(g) Penalty for non-repair beyond two days will be @ 0.5 % of the cost of the equipment per day or part thereof. The firm will have to furnish performance security @10% of the contract value in the form of bank guarantee.

(h) It will be at the discretion of this Secretariat to enter into AMC.

12. In case Tenderer(s) is/are a distributor(s), a copy of certificate issued by the principal firm should be enclosed.

13. Technical literature / Manual on the equipment(s) and list of customers with their detailed addresses should be sent along with tenders.

14. Tenderer(s) should quote on their letter pads. Supporting documents/certificates in respect of VAT/Sale Tax/Service Tax Registration no. should be submitted with the bids.

15. GUARANTEE/WARRANTY

i) Two years warranty period will commence from the date of supply and satisfactory commissioning of the equipments.

ii) Guaranty / Warranty will be comprehensive i.e. inclusive of spare parts

iii) Successful bidder will have to submit performance security @10 per cent of the value of the contract. Performance Security may be furnished in the form of an Account payee Demand Draft / Fixed Deposit Receipt from a Commercial bank/ Bank Guarantee from a Commercial bank in an acceptable form. Performance Security should remain valid for a period of sixty days beyond the date of completion of all contractual obligations of the supplier including warranty obligations.

16. Disputes, if any, emanating from the resultant contract will be interpreted under the Indian Laws.

17. Sealed Tenders super scribing “X-RAY BAGGAGE INSPECTION SYSTEM” complete in all respects and addressed to **The Joint Secretary (Security), Lok Sabha Secretariat, Room No.108, Parliament House, New Delhi-110 001** should reach this Secretariat upto 1300 hrs on **23-01-2014** at the Parliament House reception office, Raisina Road, New Delhi. Technical bids will be opened on **23-01-2014** at **1600 hrs** in the Office of the Additional Director (Security), Lok Sabha Sectt., Room No.47, Parliament House, New Delhi-110001 in the presence of the bidder(s) who may like to be present on the occasion with prior intimation to A.S. Wing (Phone: No.23035279) latest by 1300 hrs on **23-01-2014**.

18. This Secretariat reserves the right to accept or reject any or all tender(s) without assigning any reason whatsoever at any stage of the procurement process.

TECHNICAL SPECIFICATIONS OF XBIS (TUNNEL SIZE 100 CM X 100 CM)

1. Tunnel Size - 100 cm W (Width) x 100 cm H (Height) +/-10%.
2. Conveyor belt speed should be between 0.18 and 0.3 meter per second. Conveyor movement bi-directional. **Auto stop in absence of baggage after 5 minutes.**
3. All machines should operate on 230 VAC, 50 Hz power supply and should be able to withstand voltage fluctuations in the range of 170V to 260 V. Single Phase, 3 to 5 Amp.
4. Conveyor Capacity- 160 kg or more
5. Sensors > 1000 diodes, L-shaped detector (Folded array type), In case of defective diode arrays, scanning should be disabled and error message should be displayed on the screen.
6. X-Ray Voltage - 160 KV or more
7. X-Ray Source/Generator – It should be capable to operate smoothly for a period of at least six years.
8. Duty Cycle - 100%
9. Cooling – Sealed oil bath
10. The X-ray beam divergence should be such that the complete image at maximum size of bag is displayed without corner cuts.
11. The radiation level should not exceed accepted health standard (0.1m R/Hr at a distance of 5 cm from external housing).
12. The operating temperature should be -10 deg C to 50 deg C.
13. Storage temperature -20 degree C to 50 degree C.
14. Humidity- 90% non-condensing
15. Resolution: The machine should be able to display single un-insulated tinned copper wire of 42-SWG or 38 AWG. All penetration and resolution condition should be met without pressing any functional key and should be online.
16. Penetration should be 27 mm thickness of steel (Guaranteed) or more.
17. Continuous Electronic Zoom facility should be available to magnify the chosen area of an image eight times (8X) or more. Image features shall be keyboard controllable.

18. Video display - 17" or better LCD Monitor SVGA High resolution, low radiation, flicker free, resolution at least 1280 x 1024, 24 bit colour real time processing.

19. The machine should have features of Multi-energy X-ray imaging facility where materials of different atomic number will be displayed in different colours to distinguish between organic and inorganic materials. The machine should give audio and video alarm upon detection of high density organic materials including explosives and narcotics, should have variable colour or materials stripping to facilitate the operator to monitor images for closer scrutiny. All suspicious items (Explosives, High density materials, narcotics, etc.) should be displayed in one mode and that should be on line.

20. Radiation Safety:- The machine must comply with requirements of health and safety regulations with regard to mechanical, electrical and radiation hazards. Before installation of the machine, the supplier/manufacturer should furnish relevant certificate from Atomic Energy Regulatory Board of India regarding radiation safety. The company manufacturing the equipment should have ISO certification for manufacturing and servicing of X-ray Screening machines.

21. Food and Film Safety:- Guaranteed safety for food. Guaranteed safety for and high-speed films up to ISO1600. The machines should be film safe. In other words photographic films must not be damaged due to x-ray examination.

22. Machine should be properly sealed from all the sides for pest proof. Dust proof cover is to be provided for covering the system when not in use.

23. Facility for variable contrast must be incorporated to allow enhancement lighter and darker portion of the image.

24. The machine should be so designed that software enhancement can be easily implemented to take care of new technique in image processing and pattern recognition.

25. Full diagnostic built in test facility. All models should have software controlled diagnosis report facility and system should give printout if printer is connected.

26. All software features of machine should be online and password protected.

27. Machine should be capable for recalling 15 or more previous images,

28. It should have the capability of archiving 2000 or more images with date & time stamp.

29. Control desk with security housing and locking provision should be available. The operator personal identification number can be entered the keyboard along with generation of log.

30. Facility of image enhancement should be available.

31. All models should have online recording facility and images can be recorded in CD R/W or/and USB and should be able to view images so recorded on stand-alone PC.

32. Lead impregnated safety screens should be available at either ends of the tunnel. This should be covered by relevant AERB certificate. Idle rollers to be provided at either ends of the tunnel (input and output) to facilitate placing of baggage.

33. All software features should be controlled from key board of machine only. Keyboard function should be user friendly. To enable/disable the software features, system should not be rebooted.

34. If the machine fails to penetrate a particular item then an alarm video and audio (both) should be generated to notify the operator.

35. The threat image projection (TIP) system software to be incorporated in all X-Ray BIS operation.

36. Copy of all software including X-Ray Software with recovery CD must be provided.

37. Operational Training- Operating staff has to be provided free training.

38. Operating & service manual shall be provided with each machine.

39. Other Features

- a) Edge & variable edge enhancement.
- b) Inverse Video
- c) Set up time not more than 10 minutes.
- d) Pseudo colour
- e) Date & Time display.

40. Minimum Computer configuration

- a. CPU: Latest configuration and should be able to deliver the output to meet the specifications mentioned as above.
- b. Hard Disk Drive: 1 TB
- c. Mouse: Optical
- d. Ports: 6 USB Ports (with at least 2 in Front), 1 Serial Port, 1 Parallel port, 1PS/2 Keyboard and 1 PS2 Mouse Port, audio ports for microphone and headphone in front.
- e. CD-R/RW Drive : DVD Writer.
- f. Networking facility : 10/100/1000 on board integrated Network Port with remote booting facility remote system installation, remote wake up, out of band management using any standard management software.

41. UPS: - 3 KVA online with back-up time of at least ½ hour.

TECHNICAL SPECIFICATION OF XBIS (TUNNEL SIZE 60 CM X 40 CM)

1. Tunnel Size - 60 cm W (Width) x 40 cm H (Height) +/-10%.
2. Conveyor belt speed should be between 0.18 and 0.3 meter per second. Conveyor movement bi-directional. Auto stop in absence of baggage after 5 minutes.
3. All machines should operate on 230 VAC, 50 Hz power supply and should be able to withstand voltage fluctuations in the range of 170V to 260 V. Single Phase, 3 to 5 Amp.
4. Conveyor Capacity- 100 kg or more
5. Sensors > 1000 diodes , L-shaped detector (Folded array type), In case of defective diode arrays, scanning should be disabled and error message should be displayed on the screen.
6. X-Ray Voltage - 160 KV or more
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8. Duty Cycle - 100%
9. Cooling – Sealed oil bath
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