

GOVERNMENT OF ARUNACHAL PRADESH
OFFICE OF THE DIRECTOR GENERAL OF POLICE
ITANAGAR

NO.PHQ (Prov) – 21//2022-23.

Dated Itanagar, the 29th Sept' 2022.

LIMITED TENDER NOTICE

1. Director General of Police, Arunachal Pradesh, invites sealed tender on plain paper in two bid system (Technical Bid and Price Bid) from the manufacturers, authorized agents and dealers of reputed firms for entering into contract for supply of the X-Ray Baggage Scanner for Arunachal Pradesh Police during the year 2022-23. The sealed tenders will be received up to 1100 hrs on **17/10/2022** which will be opened at 1130 hrs. on the same day. The tender value is Rs. 20.06 lakhs approx. The tenderers or their authorized representatives may remain present at the time of opening of tenders. The tenders received after scheduled date and time will not be entertained.

Sl No.	Name of Item	Specifications	Quantity (In nos)																																																
1	X-Ray Baggage Inspection System	<p>Qualification Criteria: -</p> <p>1. XBIS should be indigenous make and factory should be in India. As proof production license from AERB should be submitted along with the bid.</p> <p>2. OEM should have more than 8 years' Experience, PO copy and 8-year-old AERB Production license should be submitted.</p> <p>General Specification: -</p> <table><tr><td>Tunnel Opening</td><td>500 mm x 300 mm only</td></tr><tr><td>Power Requirements</td><td>230 VAC:183-253 VAC, 50Hz, 7 Amp Max.</td></tr><tr><td>Colour Imaging</td><td>4 & 6 colors imaging based on atomic number. Ability to move between 4 color and 6 color during baggage scanning in real time.</td></tr><tr><td>Video Display</td><td>22" high Resolution. Low Radiation, Ergonomic, LCD Color Monitor.</td></tr><tr><td>Power Consumption</td><td>Should not exceed 0.7 KV on full load.</td></tr></table> <p>Image Processing: -</p> <table><tr><td>Penetration</td><td>In Steel 35 mm Guaranteed.</td></tr><tr><td>Wire Resolution</td><td>38 AWG Wire Typical, 36 AWG Guaranteed.</td></tr><tr><td>Contrast Sensitivity</td><td>24 Visible Levels, 4096 Gray Levels.</td></tr><tr><td>Beam Divergence</td><td>Beam Divergence : 74° diagonal Vertically up-word.</td></tr><tr><td>Display Resolution</td><td>1920 X 1080; 24 bit/ pixel color</td></tr><tr><td>Material Discrimination</td><td>Organic and inorganic material discrimination based on atomic number and density. 1 litre bottle of water should completely come in orange color shades only when put in multiple orientations (horizontal/ vertical) in a bag.</td></tr><tr><td>Resolution and Penetration</td><td>Both resolution and penetration should be seen without press of a button.</td></tr></table> <p>X-Ray Generator:-</p> <table><tr><td>Voltage</td><td>160 KV max.</td></tr><tr><td>Tube Current</td><td>1.2 mA</td></tr><tr><td>Cooling</td><td>Sealed Oil Bath</td></tr><tr><td>Duty Cycle</td><td>100%</td></tr><tr><td>X-Ray Detector</td><td>"L" Shaped array</td></tr></table> <p>Environmental Condition: -</p> <table><tr><td>Storage Temperature</td><td>-20°C to 70°C</td></tr><tr><td>Operating Temperature</td><td>0°C to 50°C</td></tr><tr><td>Humidity</td><td>Up to 95% non-condensing</td></tr></table> <p>Physical Specification:-</p> <table><tr><td>Dimension</td><td>1380 mm (L) x 750 mm(w) x 1280 mm (H)</td></tr><tr><td>Conveyor Belt Height</td><td>750 mm</td></tr><tr><td>Conveyor Speed</td><td>0.18 to 0.2 m/s in forward & Backward direction</td></tr><tr><td>Conveyor load</td><td>Minimum 100 kg evenly distributed</td></tr></table>	Tunnel Opening	500 mm x 300 mm only	Power Requirements	230 VAC:183-253 VAC, 50Hz, 7 Amp Max.	Colour Imaging	4 & 6 colors imaging based on atomic number. Ability to move between 4 color and 6 color during baggage scanning in real time.	Video Display	22" high Resolution. Low Radiation, Ergonomic, LCD Color Monitor.	Power Consumption	Should not exceed 0.7 KV on full load.	Penetration	In Steel 35 mm Guaranteed.	Wire Resolution	38 AWG Wire Typical, 36 AWG Guaranteed.	Contrast Sensitivity	24 Visible Levels, 4096 Gray Levels.	Beam Divergence	Beam Divergence : 74° diagonal Vertically up-word.	Display Resolution	1920 X 1080; 24 bit/ pixel color	Material Discrimination	Organic and inorganic material discrimination based on atomic number and density. 1 litre bottle of water should completely come in orange color shades only when put in multiple orientations (horizontal/ vertical) in a bag.	Resolution and Penetration	Both resolution and penetration should be seen without press of a button.	Voltage	160 KV max.	Tube Current	1.2 mA	Cooling	Sealed Oil Bath	Duty Cycle	100%	X-Ray Detector	"L" Shaped array	Storage Temperature	-20°C to 70°C	Operating Temperature	0°C to 50°C	Humidity	Up to 95% non-condensing	Dimension	1380 mm (L) x 750 mm(w) x 1280 mm (H)	Conveyor Belt Height	750 mm	Conveyor Speed	0.18 to 0.2 m/s in forward & Backward direction	Conveyor load	Minimum 100 kg evenly distributed	01
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The vendor shall supply rodent protection, anti-rodent.

Control desk for monitor to be provided.

Computer Specification:-

At a minimum :-

1. OS should be Window based- Window 10 prof minimum only (Linux will not be accepted)
2. Processers- Minimum Core i5, 2.3 GHz processor.
3. Memory- Minimum 8 GB Ram,
4. Storage Capacity- Minimum 1 TB HDD/SSD.
5. Video Graphic Card- 4 GB.
6. UPS – Suitable UPS for entire machine with power backup time 15 minutes for the machine load.

Software Feature:-

1. All software features of machine should be online and password protected.
2. Advanced Image Archive, up to 200,000 images.
3. "789 alert" where 789 atomic numbers are in red color while remaining baggage is in black and white
4. System should have PAN Option.
5. Date and Time Display.
6. Inverse/ Negative color imagining based on atomic number.
7. High Density Alert- Audio visual alarm and draw square around the object area where High density is found.
8. Baggage Counter.
9. Horizontal and Vertical imaging
10. Print image function if printer is connected.
11. Successful logging in and logging off to be displayed.
12. Pseudo color and reverse Monochrome.
13. 4 level of access.
14. 2X to 64X Zoom.
15. User Defined manual and automatic Access to Image archive.
16. Programmable Penetration and Contrast levels.
17. Organic and Inorganic Imaging.
18. Color and Black & white Imaging.
19. Edge-enhancement imaging.
20. Machine should be capable of recalling all previous images when scanner is switched on.
21. Organic & inorganic material discrimination.
22. The system should be user friendly.
23. Threat Image Projection (TIP) should be available & programmable and Ability to automatically lock user if configurable "Miss" attempts exceeded.
24. Variable brightness.
25. Auto Centering of Images.
26. High Low Penetration.
27. Organic alarm- Draw square around the object area where potential threatening organic material is found.
28. Display menu in Hindi for easy understanding.
29. One key shut down.
30. All Image processing key should be available on display and it be should be functional.
31. Baggage Scanning software including core atomic number classification and explosive and narcotics detection algorithms should be non-Chinese and preferably Made in India. OEM should provide declaration on letterhead. Falsification of data will lead to blacklisting of the firm.

Health and Safety:-

1. Film Safety: Guaranteed up to ISO 1600 (33 DIN).
2. Maximum leakage radiation less than 0.1 mR/hr (1 μ Sv/hr).
3. The system should have three Emergency stops switches, X-Ray on Indicator, Supply on Indicator, Programmable audio-visual alarm.
4. AERB Certificate like manufacturing license, type test approval certificate should be submitted with tender.

		<ol style="list-style-type: none"> 5. The system should be food safe and AERB/ BARC certificate enclosed with the tender. 6. User Manual :- One sets of operator manual should be provided with the system. 7. Suitable lead impregnated rubber curtains at both ends of tunnels. <p>Certifications:-</p> <p>The manufacturer will submit the following approvals along with tender:-</p> <ol style="list-style-type: none"> a. AERB Type test certificate should be submitted along with bid. b. AERB Production license to be submitted. c. No objection certificate approval for import of X-ray mono-block from AERB to be submitted. d. ISO 9001 & ISO 14001 certificate for Design, Development, Manufacture and servicing of x-ray machine required. e. CE certificate to be submitted. f. Food safety certificate from BARC g. Film Safety Certificate h. FDA and FCC Certificate <p>Others:-</p> <ol style="list-style-type: none"> 1. Staff training to be provided at site 2. Two years Comprehensive onsite warranty to be provided. 3. Installation and commissioning at site. 4. Provision of training to representative at Premises. 5. XBIS should be Indigenous make and factory should be in India. 	
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2. All the tenders must be accompanied with tender fee of Rs. 1,000/- (Rupees one thousand) only. The tenderers are required to submit tender fees in the form of Bank Draft payable at SBI, Itanagar in favour of the Head of Office i.e. AIGP (E), PHQ, Itanagar. Tenders without tender fess will be summarily rejected.
3. All the tenders must be accompanied with Earnest Money of Rs. 40,000/- (Rupees forty thousand) only. Tenders without the Earnest Money will be summarily rejected. The tenderers are required to pledge National Saving Certificate/ Kishan Vikash Patra/ TDR/FDR/Demand draft etc. of Nationalized Bank/Post Offices in the form of Earnest Money/Security Money in the name of the Head of Office i.e. AIGP (E), PHQ, Itanagar from which the work is being allotted to them. The firms registered under MSME are exempted for earnest money. They must submit copy of registration certificate of MSME.
4. The tenders must accompany with valid attested copy of GST Registration certificate.
5. The tenders must also accompany with valid license for trading of the tendered item.
6. The letter of authority in respect of authorized distributors/dealership must be furnished along with the tender.
7. The tenderer should quote for one model only. Offer/quotation for more than one model will not be considered. Technical compliance statement should be submitted along with the tender clearly specifying deviation, if any, for all the specifications mentioned above. The tenderers should submit detailed specifications of the item along with the catalogue (Original)/ Booklets/ Literature/ Photographs etc.
8. The rates should be quoted in the tenders/quotations for the item (s) and GST separately. The rates also should be quoted for F.O.R. Central Stores, PHQ, Itanagar. Rates quoted other than F.O.R Central Stores; PHQ Itanagar shall not be accepted. No packing or forwarding charges will be allowed. The rates should be quoted both in figure and in words clearly.
9. Tenders should be addressed to the Asstt. Inspector General of Police (E) by designation and not by name. The separate sealed envelope containing Technical Bid and Financial Bid should be subscribed as "**Tender for supply of X-Ray Baggage Inspection Systems for Arunachal Pradesh Police** and be sent by Registered Post/courier or be put in the tender box kept in the office of the Deputy. Supdt. of Police (Prov), PHQ, Itanagar during office hours. ***The tenders received after scheduled date & time will not be entertained.***


10. Successful tenderers will be required to deposit 5% of the total value of the articles to be supplied as security money within 10 days from the date of issue of letter of acceptance of tender. The successful tenderers will have to enter into a "DEED OF AGREEMENT" stipulating the Terms and Conditions of the contract. Security money will be subject to forfeiture in case of non-fulfillment of any or all the Terms and Conditions of contract. Earnest Money of the successful tenderers will be forfeited to the Government in case of failure to furnish security money and execution of "DEED OF AGREEMENT".
11. Successful tenderers will have to supply the items within 30 days from the date of issue of supply order/deed of agreement failing which 5% of the total value of the articles to be supplied will be forfeited and supply order cancelled. The stores supplied must be of the same specifications and quality as per the tender.
12. Quantity mentioned above is all approximation and subject to variation as per actual availability of funds.
13. Any breakages or loss of any item (s) enroute or in transit will be at the supplier's risk.
14. The successful tenderer has to demonstrate the items at the time of delivery. If the item is not found as per specifications, the entire lot will be rejected.
15. If item is found damaged or otherwise unacceptable at the time of delivery/ inspection, the suppliers will be required to remove the same from Central Store, PHQ, Itanagar Arunachal Pradesh at their own cost within 15 days. The equivalent replacement of approved quantity should be supplied within 15 days or the equivalent value in terms of money will be deducted.
16. Payment will be made to the supplier directly on completion of supplies and on receipt of stores. Document/ Vouchers/ R.R.S bill etc. routed through Bank will not be accepted.
17. The item supplied shall be on warranty for the periods as mentioned with specifications.
18. Tenders will remain valid up to 31-03-2023.
19. The Director General of Police, Arunachal Pradesh, Itanagar reserves the right to reject the lowest or all or any of the tenders without assigning any reason thereof.
20. The Director General of Police of Arunachal Pradesh Police shall have the right to ask the firms to demonstrate their items before the items are accepted.
21. In case of any dispute, legal jurisdiction will be at Itanagar, Arunachal Pradesh.
22. In case of any bandh call on the date of opening of tender, the tenders will be opened on the next working day.

Sd/-
Director General of Police
Arunachal Pradesh
Itanagar
Dated Itanagar, the 30th Sept' 2022.

Memo NO.PHQ (Prov) - 21/2022-23.

Copy to: -

1. M/S Arunachal Agency House, Naharlagun, A.P.
2. M/S SS Trade Point, Jollang, Itanagar, A.P.
3. M/S Arunachal Trade Centre, Banderdewa, Arunachal Pradesh, Itanagar.
4. I/C Computer, PHQ Itanagar for information and necessary action. The limited Tender Notice may be uploaded on the website of APP.
5. Notice Board.
6. Office copy.


Asstt. Inspector General of Police (E)
Arunachal Pradesh,
Itanagar

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Arunachal Pradesh
Itanagar