

**NOTICE INVITING TENDER FOR SUPPLY, INSTALLATION, TESTING,  
COMMISSIONING TRAINING AND MAINTENANCE OF X - RAY BAGGAGE  
SCANNER SYSTEM AT SIDBI TOWER, LUCKNOW**

**TENDER IDENTIFICATION NO. - 314/2017/1243/HO1/PREMISES**

**LAST DATE OF SUBMISSION OF SEALED TENDER –10<sup>th</sup> April, 2017 UPTO 15:00 HRS.**

**Issued to:-**

**The Dy. General Manager [Premises]**  
SIDBI TOWER, Small Industries Development Bank of India (SIDBI),  
5th Floor, Premises Vertical,  
15, Ashok Marg,  
**Lucknow-226001**  
**Phone No. 0522-2288546-50 Pax- 724/866**

**Tender Notice**

SIDBI invites sealed tenders in two bid system from Original Equipments Manufacturers (OEM) / Authorized Dealers for Supply, Installation, Testing, Commissioning training & maintenance of X - Ray baggage scanner system at SIDBI Tower, Lucknow.

1. The above said job should be completed in total period of 60 days.
2. Each tender set comprises of the following:
  - a) Techno- Commercial Bid - (Part-I)
  - b) Price Bid -(Part-II)
3. The duly filled and sealed offer document including complete set of supporting documents shall be submitted to:

**The Dy. General Manager [Premises],**  
SIDBI TOWER, Small Industries Development Bank of India (SIDBI),  
5th Floor, Premises Vertical,  
15, Ashok Marg,  
**Lucknow-226001,**  
**Phone No. 0522-2288546-50 Pax- 724/866**  
On or before **10<sup>th</sup> April, 2017 UPTO 15:00 HRS**

- Intended tenderers are advised to pay Earnest Money Deposit (EMD) of Rs. 30,000/- (Rupees Thirty Thousand Only) in the form of Demand Draft having remaining validity period of 120 days from the date of submission of tender document, drawn in favour of **Small Industries Development Bank of India** from a nationalized/scheduled bank payable at **Lucknow** along with the tender. Cheques/ Bank Guarantee in lieu of DD will not be accepted. EMD will not bear any interest. EMD will be forfeited in the event of any erosion, refusal or delay on the part of tenderer to sign and execute the contract on acceptance of his/her tender and the Bank shall ban the agency from subsequent bidding for a period of 3 years. EMDs of unsuccessful tenderers will be refunded (without interest) within 90 days from the date of opening of Price bid. EMD of the successful tenderer will be adjusted against initial Security Deposit, if the tenderer requests to do so.
4. The offers submitted shall be valid for a period of 120 days from last date of submission of tender.
  5. The tenders shall be submitted in two bids system in **two separate non window envelopes** each sealed and clearly identified as to envelope no. and contents as **technical bid and price bid**. These two envelopes shall be contained and sealed in a **non window large envelope**. This envelope shall be submitted as per instructions with the name of work, i.e., "Supply,

Installation, Testing, Commissioning & maintenance of X - Ray baggage scanner system at SIDBI Tower, Lucknow” superscribed on the envelopes and addressed to :

**The Dy. General Manager [Premises]**

SIDBI TOWER,  
Small Industries Development Bank of India (SIDBI),  
5th Floor, Premises Vertical,  
15, Ashok Marg,  
**Lucknow-226001**  
**Phone No. 0522-2288546-50 Pax- 724/866**

6. Full name and postal address of tenderer shall be written on the bottom left hand corner of the envelope.
7. The tender submitted shall contain details/documents as listed below. Tenders without accompanying all details/documents listed below will be rejected.

**Envelope No.1 (Technical Bid)**

- a. Complete set of tender document Part-I (Techno-Commercial Bid) as issued, duly filled and signed by the tenderer on all pages along with all supporting certificates, work orders, etc of similar works preferably for Govt. institutions, PSUs, Banks etc and other details as specified in tender.
- b. Demand draft for Earnest Money deposit (EMD) of Rs. 30,000/- from any scheduled/nationalized bank in favour of **Small Industries Development Bank of India** payable at **Lucknow**.
- c. Addendum / corrigendum issued, if any, by the Bank, Duly Signed.
- d. Other Submittals as indicated in the tender document Part-1.

**Envelope No.2 (Price Bid)**

- a. Complete set of tender document Part-II (i.e., Price Bid) duly filled & signed by the tenderer.

Acceptance of tender will rest with SIDBI who reserves right to accept or reject any or all tenders, in part or full, without assigning any reason thereof. Any tenderer who does not fulfill any of the prescribed conditions would be liable to be rejected.

Tenders received late on account of any reason whatsoever or by courier / post will not be entertained.

**All the rates quoted in the tender should be inclusive of all materials, labours, freight, all types of taxes including works contract tax, duties, octroi, service tax, royalties, erection, construction, testing of materials/samples brought on site for approval, tools, tackles, plant and equipments, supervision, overheads and profits, statutory charges, costs for licenses and any other expenditure etc. and shall remain firm till completion of work. Escalation in price will not be payable for whatsoever reasons.**

Yours faithfully,

**The Dy. General Manager [Premises]**

SIDBI TOWER, Small Industries Development Bank of India (SIDBI),  
5th Floor, Premises Vertical,  
15, Ashok Marg,  
**Lucknow-226001**  
**Phone No. 0522-2288546-50 Pax- 724/866**

**All the intending Agencies/Contractors are also  
requested to note following important provisions.**

1. SIDBI is governed by Public Procurement Policy for Micro and Small Enterprises (MSEs) as circulated by The Ministry of MSME, GoI.
2. These provisions shall be applicable to Micro and Small Enterprises (MSEs) registered with District Industries Centers or Khadi and Village Industries Commission or Khadi and Village Industries Board or Coir Board or National Small Industries Corporation or Directorate of Handicrafts and Handloom or any other body specified by Ministry of Micro, Small and Medium Enterprises (MSMEs).
3. If deemed fit, the Bank may procure minimum of 20% of the contract value of any goods or services from MSEs. Further, the Bank reserves the right to procure part work/services ( about 4% out of above 20% ) to MSEs owned by SC and ST entrepreneurs, if found suitable. Provided, these MSEs quoting price within the price band of L1 +15% & bringing down their price to L1 price, in a situation where L1 price is from someone other than a MSEs. In case of more than one such MSEs, the supply shall be shared proportionately at the discretion of the Bank.
4. Further, such MSEs would also be entitled for tender sets free of cost and exemption from payment of earnest money deposit. In case of any issue on the subject matter, the MSE's may approach the tender inviting authority to resolve their grievances.
5. Agencies desirous of availing preference under above provisions should submit a copy of proof of Registration as MSEs/ and ownership of the same by SC/ST along with the tender/RFP/RFQ.

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## Techno Commercial Bid (Part I) SPECIAL TERMS & CONDITIONS

1. Sealed tenders in two parts are invited for “Supply, Installation, Testing, Commissioning Training & maintenance of X - Ray Baggage Scanner System at SIDBI Tower, Lucknow”. **The estimated cost of the captioned work is approximately Rs. 20.0 Lakhs.**
2. **Eligibility (Pre-qualification) Criteria:**

Sr. no.	Parameters	
1	Average Sales Volume of the Agency in the last 3 years	The Agency should have average annual sales turnover of Rs.2 crore or above in the last 3 years
2	Profit in the previous financial years	The Agency should have earned profit during the last three years (2013-14, 2014-15, 2015-16).
3	Works executed in last 3 years	The Agency should have supplied and installed atleast ten X - RAY Baggage Scanner systems, each costing atleast Rs 15 lakh during last three years
4	No. of years in X - Ray baggage scanner business	Minimum 5 years in the business is required
5	Own Office and Service centre at Lucknow	The agency should have its own office and service centre functioning in Lucknow or it should have its authorized dealer / service centre at Lucknow for not less than three years as on the date of submission of tender.
6	Reference site	Furnish details like name, address and telephone numbers of customers, as per Annexure-I, to whom X - RAY Baggage Scanner systems have been supplied during the last 3 years – Minimum requirement is 3 Reference sites.
7	No. of qualified engineers in Lucknow	Mention number of qualified engineers of the agency. Minimum two qualified engineers (Degree/ Diploma holders in Lucknow are required.

3. Tender forms will be issued from **27<sup>th</sup> March, 2017 to 9<sup>th</sup> April, 2017** during 10.00AM to 05.00PM on all working days (Monday to Friday) by Premises Vertical, 5<sup>th</sup> Floor, SIDBI Tower, 15 Ashok Marg, Lucknow-226001, on a non-refundable payment of **Rs. 500/-** per duplicate set in cash/Demand Draft favoring Small Industries, Development Bank of India, payable at Lucknow.
4. **A pre-bid meeting of intending tenderers will be held on 3<sup>rd</sup> April, 2017 at 11.30 AM in Bank's Head Office, SIDBI Tower, 15 Ashok Marg, Lucknow.**
5. Tender forms can also be downloaded from the website [www.sidbi.in](http://www.sidbi.in) and Central Public Procurement (CPP) Portal <http://eprocure.gov.in/> till **10<sup>th</sup> April, 2017**. In case of downloaded documents, the said non-refundable sum of **Rs.500/-** in the form of Demand Draft favoring **Small Industries Development Bank of India**, payable at **Lucknow** along with all the information / documents, mentioned in techno-commercial bid, will have to be submitted in two bids system sealed cover as mentioned above, addressed to the Dy General Manager(Premises), Small Industries Development Bank of India, SIDBI Tower, 15 Ashok Marg, Lucknow-226001 up to **03.00 PM on or before 10<sup>th</sup> April, 2017** for Banks' examination. After scrutiny, if any of the contractors are not found to possess the required eligibility, their tenders will not be accepted by the Bank for further processing.

6. **Part I** of the tenders will be opened at **16.00 hours on 10<sup>th</sup> April, 2017** in the presence of the authorized representative of the tenderers who choose to be present. **Part II** of the tender will be opened on a subsequent date which will be intimated to the tenderers in advance.
7. The Bank is not bound to accept the lowest tender and reserves the right to accept either in full or in part any tender. The Bank also reserves the right to reject all the tenders without assigning any reason therefore.
8. Spares for the product offered should be available for at least 10 years.
9. **Warranty:-**
  - 9.1 The offer must include comprehensive onsite warranty of one year (12 Months) from the date of installation and commissioning of the equipment.
  - 9.2 Supplier shall be fully responsible for the manufacturer's warranty in respect of proper design, quality and workmanship of all equipments, accessories etc., covered by the offer. The supplier must warrant all equipments, accessories, spare parts etc., against any manufacturing defects during the warranty period. During the warranty period the supplier shall maintain the equipment and repair/replace all the defective components at the installed site at no additional charge of whatsoever nature to the Bank. The supplier must submit the OEM's certificate certifying that all spares and service contracts, warranty and AMC period will be their responsibility in case the supplier is unable to honour the Terms of Contract as per the Tender Document.
10. The supplier should ensure that the defects in the X - Ray Baggage scanner system reported on any working day is set right on the same day and in no case later than the next working day. In case, the system or any equipment cannot be repaired within the stipulated period, the supplier should provide a replacement till the system/ equipment is returned duly repaired.

**11. Annual Maintenance Contract (AMC):-**

11.1 Should the Bank decide to enter into AMC with the successful bidder, the supplier is expected to maintain the X - Ray Baggage Scanner System including all accessories/ components and software supplied for at least 3 (three) years after the expiry of warranty period (12 months). Comprehensive on site maintenance charges, for the post warranty period must be quoted in Rupees per year in the Commercial Offer. During the warranty period and the comprehensive AMC period, the supplier is expected to visit the X - Ray Baggage Scanner System site at least once in a quarter for preventive maintenance/ servicing and on call by the Bank any number of times in case of defects, if any, in the system without any additional cost to the Bank and the supplier shall maintain the equipment and repair/replace all defective components, major or minor and may use for this purpose spares or consumables including conveyor belt and lead flaps (curtains) at no additional charge other than the AMC contract charges. The AMC charges will be released in two installments at the end of every six- month period from the date of the expiry of warranty, on satisfactory performance of the X -Ray Baggage Scanner System and against submission of a service report.

11.1 After the post-warranty mandatory comprehensive AMC period, the supplier may continue the Annual Maintenance Contract at the price/charges as agreed upon by the Bank and the supplier. If any of the peripherals, components etc., are not available or difficult to procure or if the procurement is likely to be delayed, the replacement shall be carried out with equipment of equivalent capacity or higher capacity at no additional charges to the Bank during the currency of warranty period and 05 years AMC period.

**Supply, Installation, Testing, Commissioning Training & maintenance of X - Ray baggage scanner system at SIDBI Tower, Lucknow**

(A) - **Format for submitting Eligibility Criteria** : (To be filled by the Agencies with necessary supporting documents as proof)

Sr. No.	BANK'S ELGIBILITY CRITERIA	REMARKS & Page number of the relevant document submitted for easy reference.	
		DESCRIPTION	REMARKS
1.	<p>a) Only <b>Original Equipment Manufacturers (OEM) and their authorized dealers along with authorization certificate (To be attached) having minimum 5 years of experience</b> in the field of work of similar nature (i.e. experience of SITC of X - Ray baggage scanner system <b>AND</b></p> <p>b) The Agency should have supplied and installed atleast ten X - RAY Baggage Scanner systems, each costing atleast Rs 15 lakh during last three years.</p> <p>c) Have a minimum average yearly turnover of Rs. 2 crore during last <b>3 years</b> ( 2012-13, 2013-14 &amp; 2014-15)</p> <p>d) Have the <b>authorized service set up in Lucknow</b> for not less than three years for rendering after sales service.</p>		
2	OEM's certificate certifying that all spares and service contracts, warranty and AMC period will be their responsibility in case the supplier is unable to honour the Terms of Contract as per the Tender Document.		
3	Composition of the Agency- copy of the Articles of Association / Power of Attorney.		
4	Work experience & Completion of similar works of specified value during the specified period (enclose copies of purchase orders)		
5	Turn over during the specified period.(Indicate turnover for three FYs- 2013-14,2014-5 and 2015-16)		
6	Net Profit of the Agency during last		

	three years (FY2014 to FY 2016)		
7	Name(s) and address (es) of the Banks/FI/ Corporates to whom X-Ray Scanner has been supplied and their present contact executives.		
8	Name(s) and address(es) of the Clients and their present contact executives in Lucknow.		
9	Name and address of Local office and service centre at Lucknow		
10	EMD Rs. 30,000/-		
11	Cost of the Tender FORM, Non-Refundable payment of Rs.500/- per set in cash / Demand Draft.		

**Note:** Please attached the copy of documents (Details mentioned without relevant/necessary proof shall not be considered)

**(B) - Commercial Conditions- Acceptance check list**

Sr No.	Description	Bank's Terms	Tenderer's terms and Acceptance of Bank's terms
1	Validity	120 days	
2	EMD	Rs. 30,000/-	
3	Terms of payment	(a)75% of the quoted rate pro-rata against delivery of materials after checking at site (b)20% on installation and commissioning, after checking /verification testing and training at site. (c) 5% of the quoted rate after one year of warranty period.	
4	Prices	Should be quoted inclusive of all taxes, duties, octroi, entry tax, transportation, loading/ unloading, insurance, levies, ST, VAT etc. during the contract period.	
5	Guarantee/Warranty Period	12 months from date of successful handing over, installation, testing and commissioning.	
6	Service after sales	Free of cost during the Warranty period. AMC after completion of warranty period.	
7	Completion period	02 months from 10th day after award of contract.	
8	Liquidated damage for delay in supply / installation	<b>1% per week of the contract value (excluding AMC charges)</b> subject to maximum 10% of contract value(excl AMC).	
9	Time allowed for rectification and	Maximum 24 Hours on receipt of complaint and <b>penalty @ Rs.200/-</b>	

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MAINTENANCE OF X RAY BAGGAGE SCANNER SYSTEM, LUCKNOW

	penalty	<b>per day.</b>	
10	Service facility	Shall be available at the centre (Lucknow) where the X - Ray Scanner is to be installed and shall be approachable on telephone/ mobile.	
	Address of Service centre at Lucknow		
	Contact Person's Name and mobile no.		
	Number of Service Engineer available in service centre at Lucknow		
	Name and Contact details with number of Service Head at Lucknow		

Date  
Tenderer. Place:

Signature and seal of the



**TECHNICAL SPECIFICATIONS OF X - RAY BAGGAGE SCANNER SYSTEM**

1. X-Ray Baggage Scanner System having

- (i) Tunnel size(approximate) : 550 - 600 mm (W), 360 - 400 mm (H) OR nearby Higher size, for screening of hand baggage/Briefcases.
- (ii) Resolution : 42 SWG (38 AWG)
- (iii) Penetration thickness : Minimum 34 mm. guaranteed.
- (iv) Conveyor speed (approx) : 0.2m/sec.
- (v) Carrying capacity (min) : 160 kg. Distributed load.
- (vi) Power supply : Suitable to operate on 220Volts+/- 10% AC,50 Hz +/- 3%

2. Image processing - The system shall consists of

- i. Digital Video Memory : minimum 32 MB
- ii. Grey levels : Around 4096 stored.
- iii. Video Display : 1280 X 1024, 24 bit, low radiation, ergonomic, flicker free 21" colour LCD/LED Monitor with a lockable or inbuilt box for housing them on it or with standard material of high grade quality.
- iv. Variable Zoom : X 8 up to 64 X step & step less Zoom

3. Computer Specification (minimum) :

- Monitor : 2 Nos. (21inch)
- Operating System : Window 7/ Window 8 with universal printer support
- Processor : Latest processor (intel i-5) as per system Requirement
- System Memory : 3 GB (MIN) RAM
- Display : 24 Bit/32 Bit TrueColor
- Hard Disk : minimum 1TB
- DVD writer : 52X (1no.)
- USB port : USB 3.0 support (4nos.)
- Mouse : 2nos.
- Key Board : 2nos.

4. The system shall also have multi energy system with four colour palette for material discrimination high, low, medium penetration.
5. Edge enhancement
  - i. Inverse video
  - ii. Black and white image
  - iii. Pseudo colour
  - iv. Bi-direction / scanning
  - v. NARCS can
  - vi. Automatic image archiving
6. Enhanced performance X-Ray - The feature assists operators in identifying substances having specific characteristics of explosive or narcotics, enabling rapid and consistent detection capability, gold or currency may also be identified using EPX
7. Radiation Safety: Should comply with all applicable international/National radiation & health Regulations Product should be maximum radiation emission leakage of less 1microSv/hr from all external surfaces of the cabinet X – ray system.
8. The photographic films should not be damaged due to X-ray radiation. The machine should be film safe in compliance with ISO 1600/33 DIN.
9. Zoom facility should be available for step less zoom of the chosen area of an image thirty two times (X32) or more. Image features shall be keyboard controllable. Vertical Zoom Panning should also be available.
10. Lead impregnated safety screens should be available at either ends of the tunnel. Idle rollers (0.5 m) on entry and 1 m long drop chute to be provided at exit for smooth drop and pick up of luggage/bags.
11. The X-Ray Beam divergence should be such that the complete image of maximum size of bag is displayed without corner cuts with Edge-enhancement imaging.
12. Facility for variable contrast must be incorporated to allow enhancement of lighter and darker portion of the image. Facility of image enhancement and image gradient should be available.
13. System should work on one software only. 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.
14. All models should have online recording facility and images can be transferred to external storage device through USB port.
15. All models should have software controlled diagnosis report facility and system should give printout if printer is connected.
16. The operating temperature should be 0°C to 40°C and storage temperature -20°C to 60°C. Dust proof cover must be provided.

17. 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.

18. Through put shall be 300 bags per hour for hand and checked baggage. The equipments shall be based on operating system platform of Windows XP or later Windows version.

19. Machine should be capable of recalling 100 previous images. It should have capability of archiving 50000 images.

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

9. The system will have certification from CE/UL 9 Threat Image Projection (TIP). The supplier should furnish NOC from Atomic Energy Regulatory Board (AERB) of India regarding radiation safety (specific model wise, offered by the manufacturer/ supplier)/ Type Approval from AERB of India (Specific model approval) regarding radiation safety.

10. International Accredited Certificates. The company manufacturing the equipment should have ISO certification for manufacturing and servicing of X-Ray screening machines.

11. Provision of Combined Test Piece (CTP Test Bag/Kit) minimum 01no.

**General:**

Threat Image Projection (TIP) Software facility shall be incorporated in the offered X-ray machines to assist supervisors in testing the operator alertness and training X-ray screeners to improve their ability in identifying specific threat object. The system will create a threat object and the same will be superimposed on monitor screen while a bag is being screened. To acknowledge that the operator has seen the false object, operator must press the control Panel key that will cause the computer generated threat object to disappear from X-rayed bag image on the VDU screen. Each operator's action shall be recorded in the hard disc of the computer for the auditing purpose by the supervisor or other authorized person.

**Design of the system:**

a) **TIP software** should be compatible with other X-Ray technologies such as automatic reject unit, Dual X-ray screen technologies, automatic threat recognition system, etc. All x-ray image functions must be available at the same time along with the TIP.

b) **Image Library**

i) The TIP facility should have an image library containing at least 100 explosive devices, 100 knives and 100 fire arms in various sizes, shapes, locations & orientations. However, the system shall have facility to expand the library to incorporate additional images by user without assistance of the manufacturer.

ii) The image library should contain images of threats at different orientations – both plane and end-on orientation should be used. Although these will be assigned different file names and references, it must be possible to cross reference these as the same threat. All threat Image Projection images must be realistic, representative and non-distinguishable from real threat items.

c) **Time Interval**

- i) Programming facility shall be available to project threat images in different intervals. The time period for threat image as well as image mix in % age shall be user programmable e.g. software shall select 40% images of explosive devices, 35% of fire arms & 25% of knives or Random,etc.
- ii) Once the screener has responded to identify the computer generated threat image, it should remain on the screen for a pre-defined user programmable time for analyses. The image should be highlighted, upon identification, and feedback message shall be visible to the screener.

d) **System Administration**

- i) The threat image projection facility shall have details of user data-base such as name of the office, Screener name, designation, user ID number, level of access such as Screener, Administrator, Maintenance & Password, etc.
- ii) Access to start-up Menu should be restricted only to the authorized individuals. A log-in procedure by means of 'Password' or 'Security key' could achieve restricted access to each of the comment. The login procedure should not take longer than 20 seconds. The system should have facility to bypass the Threat Image Projection (TIP) facility, if programmed so by the System Administrator. It is to be ensured that the TIP software shall not be hindrance to normal functioning of X-ray Machines.
- iii) When the operator logs-in or logs-out, message should be displayed on X- Ray Baggage Scanner VDU Screen to confirm that he / she has been correctly logged-in or logged out.

e) **Feed Back /Report**

- i) The Threat Image Projection should be capable of giving feedback "HIT, MISS or FALSE ALARM" message. No message will be presented if a screener correctly passed a clear bag.
- ii) A "HIT" message to be presented when a screener has correctly identified a Threat Image Projection image. A "MISS" message shall be presented when screener fails to identify the Threat Image Projection Image. A "False Alarm" message shall be given when screener incorrectly indicate that Threat Image Projection image is present when in fact no Threat Image Projection is present. The feedback should clearly indicate in a screen that a TIP object has been correctly identified / a TIP object has been missed / or no TIP object was present. The information should be recorded in the data base.
- iii) Different colour coding shall be used for feedback to the Screener. It is recommended that Colour Code "Red for MISS", Green for "HIT" and Yellow for "False Alarm or Interrupt" be used.
- iv) The system shall automatically prepare the daily log of events for each shift and for each Screener performance. TIP log shall include particulars of location, XBIS, Name of Screener, Time & date of threat image, whether threat image was successfully identified or missed, etc.
- v) The report on Threat Image Projection system may have date and time (From-To) as per requirement, Screener particulars, and decision / outcome i.e. MISS, HIT or False alarm in %age as well in absolute numbers, number of bag screened, categories such as explosive devices knife or weapon, etc.

- vi) As a standard practice, daily / weekly / monthly report shall be retrieved. Report shall be for any given time and period, as per command.
- vii) All data should be stored on the system for a minimum of two months after it has been downloaded. No individual, regardless of access rights to the Threat Image Projection components would delete or amend any of Threat Image Projection data or time i.e. Threat Image Projection data on the actual X-ray machine will be read only file.

**Note:- The specifications indicated above are the minimum acceptable to the Bank. Tenderers are free to quote for equipment's with higher and advanced specifications, if any of the technical specifications is out of the range of equipment's manufactured by them.**

**TEST TO BE CARRIED OUT BY THE VENDORS, IF ASKED BY SIDBI**

**I. SINGLE WIRE RESOLUTION (TEST No.1)**

A set of uninsulated tinned copper wire of size 25 SWG, 30, 35, 38, 40 and 42 SWG are placed on Perspex sheet. The wires are laid out in "S" shaped curves. The wires are placed behind varying thickness of aluminum. The requirement is to display 42 SWG wire is not covered by step wedge. A tick will indicate the visibility of appropriate wire. Metallic marker should be provided using high density material, so that SWG numbers in the VDU are clearly visible.

**II. USEFUL PENETRATION (TEST No.2)**

Definite what level of details can be seen behind a thickness of known material. The requirement of this test is that the 24 SWG wire is seen under second step wedge (5/16"). (Note: This is equivalent to FAA, USA and DOT UK requirement). Tick on log sheet will indicate what wires are visible.

**III. MULTI ENERGY X-RAY (TEST No.3)**

With multi-energy X-Ray it should be possible to distinguish between materials of different average atomic number. The use of sugar and salt samples encapsulated on the test piece and various materials used in the construction of CTP will check the material discrimination facility. A tick will indicate that the sugar/salt samples are shown in different colour.

**IV. SIMPLE PENETRATION (TEST No.4)**

This test defines what thickness of steel the machine should be able to penetrate. The steel step wedge on the CTP has steps of 2 mm. from 16 mm. to 30 mm. with a lead strip to check that the machine is above or below the requirement. The requirement is that the lead is visible beneath 28 mm. steel. A tick in log sheet will indicate where a difference between the lead strip and the step wedge is visible.

**V. SPATIAL RESOLUTION (TEST No.5)**

This test defines the ability of the system to distinguish and display objects which are close together. The CTP has 16 copper gratings at right angle to each other. The requirement is that a vertical and horizontal grating can be seen. A tick in the log sheet will indicate that gaps in the gratings are visible.

Date  
Place:

Signature and seal of the Tenderer.

**Details of Technical parameters  
 (To be furnished by the tenderers)**

Sr. no.	Particulars	Bank's Specification	To be furnished by the tenderers	Remarks
1	Make and Model no.			
2	X Ray Generator			
	i) Cooling	Sealed oil bath		
	ii) Anode Voltage	160kV rated 140kV operating		
	iii) Beam divergence	60 degree vertically upward		
	iv) Direction of X-Rays	Bi directional		
	v) Duty cycle	100%		
	vi) Penetration in mm	Minimum 34 mm, guaranteed		
3	Image processing			
	i) Sensor			
	ii) Video Memory	32 MB		
	iii) Grey Levels	Around 4096		
	iv) Display	1280 X 1024, 24 bit, low radiation, Ergonomic, flicker free SVGA 21" colour flat LCD/LED Monitor with 0.25 mm. dot pitch		
4	General			
	i) Conveyor Speed	Around 0.2 m/sec		
	ii) Resolution	42 SWG (38 AWG)		
	iii) Carrying capacity	Not less than 160 kg. Distributed load		
	iv) Power supply	Suitable to operate on 220Volts+/- 18% AC, 50Hz +/- 4%		
5	Display monitor			
	i) No. of B/W monitor			
	ii) No. of colour monitor			
	iii) Make, size, resolution			
	iv) Power supply			
6	Tunnel size			
	i) Width	550 - 600mm		
	ii) Height	360 - 400mm		
	iii) Length	1150		
	iv) Power supply			
	Loading platform			
	Width		<b>Length</b>	

	Delivery platform			
	Width		<b>Length</b>	
	Overall Dimension			
	Width		<b>Length</b>	
	Software capabilities			
	Zoom			
11	Computer details			
	Make and Model no.			
	i) Processor	Intel i 5		
	ii) System memory			
	iii) Display	1280 X 1024, 24/32 bit, low radiation, Ergonomic, flicker free SVGA 21" colour flat LCD /LED Monitor with 0.25 mm. dot pitch		
	iv) Hard Disk	1 TB		
	v) CD Drive	Not less than 52 X		
	vi) VGA card			
	vii) RAM	Not less than 3 GB		
	viii) Printer	System Compatible Laser Printer		

Date  
Place:

Signature and seal of the Tenderer.



**LETTER OF OFFER**

To

**The Dy. General Manager [Premises]**  
SIDBI TOWER,  
Small Industries Development Bank of India (SIDBI),  
5th Floor, Premises Vertical,  
15, Ashok Marg,  
**Lucknow-226001**  
**Phone No. 0522-2288546-50 Pax- 724/866**

Dear Sir,

**Sub: Supply, Installation, Testing, Commissioning Training & maintenance of X - Ray Baggage Scanner System at SIDBI Tower, Lucknow**

Having visited the site and examined the contract documents, specifications and schedule of quantities, I/we hereby submit our offer for Supply, Installation, Testing, Commissioning and Training of X - Ray Baggage Scanner System with accessories, and its annual maintenance contract. I/we herewith submit duly filled in tender signed by authorized signatory alongwith **Earnest Money Deposit of Rs. 30,000/-** as per the terms of tender. In the event of my/our tender being accepted, I/we agree to enter into and execute the necessary contract agreement required by you. I am/we are aware that the Bank intends to complete the entire work as covered in the scope of this tender within scheduled completion period with time being essence of the contract. As required by you, I/we are submitting herewith the tender documents duly signed by us at each page in token of our acceptance of the provisions in the documents. Should this tender be accepted, I/We hereby agree to abide by and fulfill the terms and provisions of the said conditions of contract annexed hereto and the rates are quoted in the schedules.

Thanking you,

Yours faithfully,

Signature  
(Name of the Authorised signatory)

Name of the tenderer

Seal :

Address :

Place & Date:

**OTHER TERMS & CONDITIONS WITH SPECIAL INSTRUCTIONS**

- 1 The item rates agreed at the time of acceptance of tender will remain valid throughout currency of contract and fluctuations in the prices of any material, equipment, labour, taxes , duties etc, will neither be considered at any stage during currency of contract nor be compensated.
- 2 If the tenderer fails to accept the work order issued at the rates originally quoted by him in bid (and negotiated subsequently, if any), the Earnest Money shall be forfeited and the Bank shall ban the agency from subsequent bidding for a period of 3 years.
- 3 Tenderer shall sign all pages and wherever provided in the tender failing which the tender shall be liable for rejection. Tenders which do not contain DD for EMD and that do not fulfill any of the conditions mentioned herein will be rejected.
- 4 The tender shall be submitted only in the prescribed tender documents supplied by the Bank. Particulars of DD for the Earnest Money deposited shall be furnished at the bottom of the tender form.
5. The tenderer should study all the tender documents carefully and understand the same including all instructions, conditions and specifications, etc. before quoting the rates. If there are any doubts, they should get clarification in writing but, this shall not be a justification for submission of late tender or extension of opening date. Tender should be submitted strictly in accordance with the specifications and other tender documents. The tender should be submitted in the two envelopes duly sealed by the contractors as indicated in the tender notice.
6. Please note that all the rates for the items will be inclusive of any taxes which may be applicable and inclusive of handling, transportation, unloading and any other relevant charges. These rates would remain firm during the contract and no escalation under any circumstances would be admissible.
7. The quoted rates should be inclusive of all equipment, lift, materials, labour, octroi, duties, service tax, sales tax, sales tax on work contract, turnover tax, service tax, excise, customs duty, etc. required in connection with the completion of work to the entire satisfaction of the client and consultants. All the material are to be supplied by the contractor unless otherwise stated. No claims for upward revision of rates will be allowed on account of any increase in tax, duty, etc. The selected contracted is required to produce the proof of payment of various taxes, if desired by SIDBI.
8. All taxes and duties shall be paid by contractor including works contract tax, excise duty, service tax and octroi. Variation in taxes, if any, shall not be paid / recovered during the period of contract.
9. All entries in tender document should be in English and in ink or typed. All corrections should be attested under full signature of the contractor. Corrections where necessary should be made by scoring the wrong words/figures by drawing a line across them and attesting these with full signature of the contractor. These shall not be erased or overwritten.
10. Every page of the tender document shall be signed by the tenderer at the end of last entry thereon. One complete set of drawings should be signed and returned by the contractor along with tender document.
11. The tenders shall be valid for period of at least 120 days from the date of submission of the tender. No upward revision of rates will be accepted after opening of the tender. If the tender fails to accept the work order, if placed at his originally quoted rates, or subsequently negotiated rates, as the case may be, the Earnest Money shall be forfeited . once the tender is accepted and

the Work Order is placed on the successful tenderer, the rates shall be valid till the entire contract is 100% completed.

12. If Employer decides to place Work Order for Additional scope of work in the same premises or to amend the original work for additional scope of work in the same premises, the contractor shall be bound to accept the same at rates contained in the original work order; provided such work order or amended is issued prior to completion of the work contained in the original work order.

**13. Tax Clearance Certificate and copy of partnership Deed/ MAA**

A Current Excise / Sales / Income Tax Clearance Certificate along with registration certificate (as applicable) with these authorities and a certified copy of partnership Deed/ Article of Memorandum of association should be sent along with the tender. Power of Attorney of authorized signatories is also required to be submitted with tender (envelop No. 1).

**14. Acceptance of Tender by the Client**

Incomplete tenders, conditional tenders, tenders received through courier / post or late or tender not confirming to the terms and conditions prescribed in the tender documents or not accompanied by the requisite earnest money will be rejected. Requests for adjustment of pending bills or any other amount towards Earnest Money Deposit will not be entertained.

15. Tenderers may have to attend the concerned offices of the employer for clarifications required by them in respect of their quotations without any commitment on the part of the employer.

**16. Acceptance of Letter Of Intent ( LOI) by Tenderer**

a. After communicating the Employer's acceptance of the tender, if the tenderer fails to return the duplicate copy of Letter of Intent duly signed in token of their acceptance within 3 working days from the date of issue of LOI , the Earnest money Deposit will be forfeited assuming no interest in the work shown by the tenderer.

b. AMC (Annual Maintenance Contract)  
The buyer reserves rights to enter in to comprehensive AMC after the expiry of comprehensive warranty of 1 (one) years of the equipment under consideration. The supplier also undertakes support and ensure spares availability for the equipments under supply of at least a period of 10 years from the date of commissioning. Proportionate payment for AMC charges shall be made yearly after successful completion.

**17. Execution of Work**

a. All the materials required for execution of work must be got approved from the employer before they are brought to the site and before actually put on use. All facilities for prior inspection of materials and subsequent inspection of work by representative of the employer must be made available, at tenderers cost. Any material brought without such prior written approval shall be entirely at the risk and cost of the tenderer. It shall be contractors' responsibility for procurement of all materials / equipment etc. No delay due to non-availability of any materials/ equipment will be entertained.

b. The responsibility of safety and security of equipment brought or installed by the tenderer (till they are handed over to the client) will remain with the tenderer and any claim whatsoever nature due to any loss or otherwise will not be entertained . The tenderer will have to hand over complete job in its entirety of Work Order.

- c. The tenderer is not entitled for any sort of compensation towards materials procured / stored in excess of the actual required / measured quantities, if any.
- d. The tenderer shall carry out works as per directions in the tender/ work order. The tenderer shall not undertake on his own any changes in the specifications mentioned in the tender documents and work orders. In case of doubt, the contractor will refer the matter in writing to the client and tenderer shall carry out the item of works as per clarifications given in writing.
- e. The employer reserves the right to increase or decrease the tendered quantity of any or every item and delete any item at any stage of work. Contractor shall execute the increased quantity at the accepted tender rates. The contractor's claim for compensation or damages on account of these shall not be entertained.
- f. If the performance of the successful tenderer is found to be unsatisfactory, the employer reserves the right to cancel in part or whole of the contract and get the works executed through alternative means at the entire risk and cost of the tenderer on whom the order was first placed by giving 7 days notice. In such cases, the tenderer should make good all losses that the employer may incur due to this.
- g. If the tenderer does not complete the contract within the prescribed time limit given in the LOI / tender documents, the employer may give from time to time such extension of time limit for completion of work without prejudice to the employer's right to recover liquidated damages as per the terms and conditions given in the contract.
- h. The employer reserves the right to reject any or all of the tenders received without assigning any reason thereof. Further, the employer reserves the right to avoid any component of the work, split the work to two tender or to award the entire work to one tenderer.
- i. The Earnest money Deposit submitted along with the tender shall be converted into security deposit (RMD) as bearing no interest in case of successful agency and shall be released as mentioned in Instructions above.
- j. The contractor shall carry out & complete the work in every respect in accordance with this contract and with the direction of and to the satisfaction of Bank.
- k. The contractor shall provide everything necessary for the proper execution of the works according to the true intent and meaning of the drawing, specification and schedule of quantities taken together whether the same may or may not be particularly shown or described therein, provided that the same can be inferred there from and if the Contractor finds any discrepancy in the drawings or between the drawings, specifications and schedule or quantities be shall immediately refer the same in writing to the Bank, and the decision of the Bank shall be final and binding on all parties.
- l. Time shall be considered as essence of the contract. The Bank reserves the right to terminate the contract if the contractor fails to execute the job within the specified period.
- m. In all matter of dispute arising on the work, the Bank's decision shall be taken as final and will be binding on the contractor.
- n. No extra work shall be executed by the contractor without written permission of the employer (Bank). For execution of any extra item contractor shall submit rate analysis with necessary documents/quotation/bills etc.

**18. SAFETY CODE**

- a) The first aid appliances including adequate supply of sterilized dressings and cotton wool shall be maintained in a readily accessible place.
  - b) An injured person shall be taken to a public hospital without loss of time, in cases where the injury necessitates hospitalization by the Contractor.
19. As the work is to be executed in the Head Office of the Bank, the contractor should maintain necessary decorum while installation of the equipments. He shall also co ordinate with the Bank's care taker as also arrange for proper cleaning and removal of debris from site if any. Any misbehavior/ non compliance in the matter will be reviewed seriously and suitable action viz., removal of his labour, termination of contract, penalty etc would be initiated at the discretion of the Bank.

I / We hereby declare that I / We have read and understood the above instructions and the same will remain binding upon me / us in case the work is entrusted to me / us.

**Signature of the Dealer**

Place :

Date:

**Annexure - I**

**Contact Details**

<b>Sr. No.</b>	<b>Description</b>	
1	Contact Person for this Tender	
2	Name & Designation	
3	Land line, Fax & Mobile No.	
4	Mail ID	

**List of clients**

(For whom works of similar scope, have been completed in the last 05 years)

<b>Sr. No.</b>	<b>Details</b>	<b>Name of the Client-1</b>	<b>Name of the Client-2</b>	<b>Name of the Client-3</b>	<b>Name of the Client-4</b>	<b>Name of the Client-5</b>
1	Address, fax and telephone numbers					
2	Project name, location and address.					
3	Brief details of the work					
4	Value of work as completed					
5	Date of award of contract					
6	Date of completion of work					

(Add more columns in case of more than 5 clients)

Date  
Place

Signature and stamp of the Agency

**Annexure II**

**CLIENT's CERTIFICATE REG. PERFORMANCE OF DEALER/AGENCY**

Name & address of the Client

Details of Works executed by Shri /M/s

1	Name of work with brief particulars	
2	Agreement No. and date	
3	Agreement amount	
4	Date of commencement of work	
5	Stipulated date of completion	
6	Actual date of completion	
7	Details of compensation levied for delay (indicate amount) if any	
8	Gross amount of the work completed and paid	
9	Name and address of the authority under whom works executed	
10	Whether the contractor employed qualified Engineer/Overseer during execution of work?	
11	i) Quality of work (indicate grading)	Outstanding/Very good/Good/ Satisfactory/ poor
	ii) Amt. of work paid on reduced rates, if any.	
12	i) Did the contractor go for arbitration?	
	ii) If yes, total amount of claim	
	iii) Total amount awarded	
13	Did the contractor go for AMC? If yes , for how many years?	
14	Comments on the capabilities of the contractor.	
	a) Technical proficiency	Outstanding/Verygood/Good/Satisfactory/poor
	b) Financial soundness and Mobilization of adequate T&P	Outstanding/Verygood/Good/Satisfactory/poor
	d) Mobilization of manpower	Outstanding/Verygood/Good/Satisfactory/poor
	e) General behavior	Outstanding/Verygood/Good/Satisfactory/poor

Note: All columns should be filled in properly

“Countersigned”

Signature of the Reporting Officer\* with Office seal

\*Officer of the rank of Executive Engineer or equivalent

**Annexure III**

**BANK MANDATE FORM**

(To be submitted in Duplicate)

*(Please fill in the information in CAPITAL LETTERS. Please TICK wherever it is applicable)*

1. Name of Borrower / vendor / supplier / Agency:

\_\_\_\_\_

\_\_\_\_\_

Vendor Code (if applicable) \_\_\_\_\_

2. Address of the Borrower / vendor / supplier:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

City \_\_\_\_\_ Pin Code \_\_\_\_\_

E-mail id: \_\_\_\_\_

Phone No. with STD code: \_\_\_\_\_

Mobile No.: \_\_\_\_\_

Permanent Account Number \_\_\_\_\_

MSE Registration / CA Certificate \_\_\_\_\_

(if applicable)

3. **Particulars of Bank account:**

Beneficiary Name			
Bank Name		Branch Name	
Branch Place		Branch City	
PIN Code		Branch Code	
MICR No.			
Account type	Saving	Current	Cash Credit
Account No.	(as appearing in the Cheque book)		
<b>(Code number appearing on the MICR<sup>1</sup> cheque supplied by the Bank. Please attach a cancelled cheque of your bank for ensuring accuracy of the bank name, branch name &amp; code and Account Number).</b>			
IFSC CODE <sup>2</sup>	For RTGS transfer		For NEFT transfer



**4. Date from which the mandate should be effective :**

I hereby declare that the particulars given above are correct and complete. If any transaction is delayed or not effected for reasons of incomplete or incorrect information, I shall not hold SIDBI / IDBI Bank responsible. I also undertake to advise any change in the particulars of my account to facilitate updation of records for purpose of credit of amount through **RBI RTGS/NEFT**.

Place : \_\_\_\_\_

Date : \_\_\_\_\_

Signature of the party / Authorized Signatory

.....  
.....

Certified that particulars furnished above are correct as per our records.

Bank's stamp:

Date :

(Signature of the Authorized Official from the Banks)

**N.B.: RTGS/NEFT charges if any, is to be borne by the party**

**<sup>1,2</sup>: Note on IFSC / MICR**

Indian Financial System Code (IFSC) is an alpha numeric code designed to uniquely identify the bank-branches in India. This is 11 digit code with first 4 characters representing the bank's code, the next character reserved as control character (presently 0 appears in the fifth position) and remaining 6 characters to identify the branch. The MICR code, (Magnetic Ink Character Recognition) that appears on cheques, has 9 digits to identify the bank-branch. RBI had since advised all the banks to print IFSC on cheque leaves issued to their customers. A customer may also contact his bank-branch and get the IFS Code of that branch.

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