

**बिड दस्तावेज़ / Bid Document**

| बिड विवरण/Bid Details  |   |
|--|---|
| बिड बंद होने की तारीख/समय /Bid End Date/Time   | 05-03-2026 13:00:00   |
| बिड खुलने की तारीख/समय /Bid Opening Date/Time  | 05-03-2026 13:30:00   |
| बिड पेशकश वैधता (बंद होने की तारीख से)/Bid Offer Validity (From End Date)                                      | 180 (Days)  |
| मंत्रालय/राज्य का नाम/Ministry/State Name  | Uttar Pradesh   |
| विभाग का नाम/Department Name   | Home Department Uttar Pradesh   |
| संगठन का नाम/Organisation Name   | Police Department   |
| कार्यालय का नाम/Office Name  | Security Department   |
| कुल मात्रा/Total Quantity  | 2   |
| वस्तु श्रेणी /Item Category  | Vehicle Mounted X-Ray Baggage   |
| GeMARPTS में खोजी गई स्ट्रिंग्स / Searched Strings used in GeMARPTS  | Vehicle Mounted X-Ray Baggage   |
| GeMARPTS में खोजा गया परिणाम / Searched Result generated in GeMARPTS   | X ray baggage inspection system as per MHA QR (V3), X - Ray Detectable Absorbent Cotton Gauze, Vehicle Mounted Air Filter, Vehicle Mounted Focus Light (V2), X-Ray Detectable Gauze Swab/Laparotomy Sponge (V2), Hand Held / Wireless Real Time Viewing System as per MHA QR, Fogging Machine (V2) as per IS 14855 (Part 1), Truck Mounted Jetting Machine, C Arm Fluoroscope X - Ray Machine (V2), Vehicle Mounted Dry and Wet Garbage Suction Machine |
| अधिसूचना के लिए चयनित प्रासंगिक श्रेणियाँ / Relevant Categories selected for notification                      | <ul style="list-style-type: none"> <li>• X ray baggage inspection system as per MHA QR (V3)</li> <li>• Portable X - Ray Machine</li> </ul>  |
| बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का) /Minimum Average Annual Turnover of the bidder (For 3 Years) | 65 Lakh (s)   |
| मूल उपकरण निर्माता का औसत टर्नओवर (गत 3 वर्षों का)/OEM Average Turnover (Last 3 Years)                         | 520 Lakh (s)  |
| उन्हीं/समान सेवा के लिए अपेक्षित विगत अनुभव के वर्ष/Years of Past Experience Required for same/similar service | 3 Year (s)  |

| <b>बिड विवरण/Bid Details</b>  |   |
|---|---|
| एमएसएमई के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है/ <b>MSE Relaxation for Years of Experience and Turnover</b>  | No  |
| स्टार्टअप के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है / <b>Startup Relaxation for Years of Experience and Turnover</b>   | No  |
| विक्रेता से मांगे गए दस्तावेज़/ <b>Document required from seller</b>  | Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover,Additional Doc 1 (Requested in ATC),Compliance of BoQ specification and supporting document<br>*In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer |
| क्या आप निविदाकारों द्वारा अपलोड किए गए दस्तावेज़ों को निविदा में भाग लेने वाले सभी निविदाकारों को दिखाना चाहते हैं? संदर्भ मेनू है/ <b>Do you want to show documents uploaded by bidders to all bidders participated in bid?</b> | No  |
| बिड लगाने की समय सीमा स्वतः नहीं बढ़ाने के लिए आवश्यक बिड की संख्या। / <b>Minimum number of bids required to disable automatic bid extension</b>  | 1   |
| दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / <b>Number of days for which Bid would be auto-extended</b>  | 3   |
| ऑटो एक्सटेंशन अधिकतम कितनी बार किया जाना है। / <b>Number of Auto Extension count</b>  | 1   |
| विगत प्रदर्शन / <b>Past Performance</b>   | 50 %  |
| बिड से रिवर्स नीलामी सक्रिय किया/ <b>Bid to RA enabled</b>  | Yes   |
| रिवर्स नीलामी योग्यता नियम/ <b>RA Qualification Rule</b>  | H1-Highest Priced Bid Elimination   |
| बिड का प्रकार/ <b>Type of Bid</b>   | Two Packet Bid  |
| तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय / <b>Time allowed for Technical Clarifications during technical evaluation</b>   | 2 Days  |
| निरीक्षण आवश्यक (सूचीबद्ध निरीक्षण प्राधिकरण /जेम के साथ पूर्व पंजीकृत एजेंसियों द्वारा)/ <b>Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)</b>                                      | No  |
| अनुमानित बिड मूल्य / <b>Estimated Bid Value</b>   | 13000000  |
| मूल्यांकन पद्धति/ <b>Evaluation Method</b>  | Total value wise evaluation   |
| मध्यस्थता खंड/ <b>Arbitration Clause</b>  | No  |
| सुलह खंड/ <b>Mediation Clause</b>   | No  |

**ईएमडी विवरण/EMD Detail**

|                             |                     |
|-----------------------------|---------------------|
| एडवाइजरी बैंक/Advisory Bank | State Bank of India |
| ईएमडी राशि/EMD Amount       | 130000              |

**ईपीबीजी विवरण /ePBG Detail**

|   |                     |
|---|---------------------|
| एडवाइजरी बैंक/Advisory Bank                                       | State Bank of India |
| ईपीबीजी प्रतिशत (%)/ePBG Percentage(%)                            | 3.00                |
| ईपीबीजी की आवश्यक अवधि (माह) /Duration of ePBG required (Months). | 38                  |

(a). जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित केटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज़ प्रस्तुत करने है। एमएसई केटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।/EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

(b).ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए। / EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

**लाभार्थी /Beneficiary :**

IG Security  
413 Dr., Baijnath Road, Security Department, Uttar Pradesh, Lucknow 226007  
(Ig Security)

बोली विभाजन लागू नहीं किया गया/ Bid splitting not applied.

**एमआईआई खरीद वरीयता / MII Purchase Preference**

|  |     |
|--|-----|
| एमआईआई खरीद वरीयता / MII Purchase Preference   | Yes |
| मेक इन इंडिया विक्रेताओं को खरीद में प्राथमिकता, यदि उनका मूल्य L1+X% तक की सीमा में है / Purchase Preference to MII sellers available upto price within L1+X% | 20  |
| मेक इन इंडिया खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Maximum Percentage of Bid quantity for MII purchase preference                      | 50  |

|   |   |
|---|---|
| सार्वजनिक खरीद (मेक-इन-इंडिया को प्राथमिकता) आदेश 2017 के अनुसार केवल क्लास 1/क्लास 2 के स्थानीय आपूर्तिकर्ताओं को ही भागीदारी की अनुमति है दिनांक 16.09.2020 (समय-समय पर संशोधित एवं लागू) / Allow participation only from Class 1/Class 2 local suppliers as per the Public procurement(Preference to Make-in-india) order 2017 date 16.09.2020(as amended and applicable time to time) | Yes, in compliance with the MII ORDER : DPIIT Order(as amended and applicable time to time) |
|---|---|

#### एमएसई खरीद वरीयता/MSE Purchase Preference

|  |     |
|--|-----|
| एमएसई खरीद वरीयता/MSE Purchase Preference  | Yes |
| सूक्ष्म और लघु उद्यम मूल उपकरण निर्माताओं को खरीद में प्राथमिकता, यदि उनका मूल्य L1+X% तक की सीमा में हो / Purchase Preference to MSE OEMs available upto price within L1+X% | 15  |
| सूक्ष्म और लघु उद्यम को खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Maximum Percentage of Bid quantity for MSE purchase preference                          | 25  |

1. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
2. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM of the product offered in the bid {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts and delivery acceptance certificates like CRAC to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
3. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
4. Preference to Make In India products (For bids < 200 Crore):Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023.

[OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.

5. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 25 % percentage of total quantity. The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023. [OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.

6. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

7. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 50% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

8. Reverse Auction would be conducted amongst all the technically qualified bidders except the Highest quoting bidder. The technically qualified Highest Quoting bidder will not be allowed to participate in RA. However, H-1 will also be allowed to participate in RA in following cases:

- If number of technically qualified bidders are only 2 or 3.
- If Buyer has chosen to split the bid amongst N sellers, and H1 bid is coming within N.
- In case Primary product of only one OEM is left in contention for participation in RA on elimination of H-1.
- If L-1 is non-MSE and H-1 is eligible MSE and H-1 price is coming within price band of 15% of Non-MSE L-1
- If L-1 is non-MII and H-1 is eligible MII and H-1 price is coming within price band of 20% of Non-MII L-1

## Vehicle Mounted X-Ray Baggage ( 2 Unit )

(क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक/Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

### तकनीकी विशिष्टियाँ /Technical Specifications

|   |                          |
|---|--------------------------|
| क्रेता विशिष्टि दस्तावेज़ /Buyer Specification Document | <a href="#">Download</a> |
|---|--------------------------|

### परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

| क्र.सं./S.N<br>o. | परेषिती/रिपोर्टिंग<br>अधिकारी /Consignee<br>Reporting/Officer | पता/Address | मात्रा /Quantity | डिलीवरी के दिन/Delivery<br>Days |
|-------------------|---|-------------|------------------|---------------------------------|
|-------------------|---|-------------|------------------|---------------------------------|

| क्र.सं./S.No. | परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer | पता/Address  | मात्रा /Quantity | डिलीवरी के दिन/Delivery Days |
|---------------|---|--|------------------|------------------------------|
| 1             | Avinash Saini   | 226007,Security Department, 413 Dr Baijnath Road, New Hyderabad, Lucknow | 2                | 60                           |

## क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें/Buyer Added Bid Specific Terms and Conditions

### 1. Generic

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity up to 25% of the contracted quantity during the currency of the contract at the contracted rates. The delivery period of quantity shall commence from the last date of original delivery order and in cases where option clause is exercised during the extended delivery period the additional time shall commence from the last date of extended delivery period. The additional delivery time shall be  $(\text{Increased quantity} \div \text{Original quantity}) \times \text{Original delivery period (in days)}$ , subject to minimum of 30 days. If the original delivery period is less than 30 days, the additional time equals the original delivery period. The Purchaser may extend this calculated delivery duration up to the original delivery period while exercising the option clause. Bidders must comply with these terms.

### 2. Generic

**Bidder financial standing:** The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.

### 3. Generic

Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.

### 4. Generic

**End User Certificate:** Wherever Bidders are insisting for End User Certificate from the Buyer, same shall be provided in Buyer's standard format only.

### 5. Generic

**Experience Criteria:** The Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU for 3 years before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the primary product having highest value should meet this criterion.

### 6. Generic

**Manufacturer Authorization:**Wherever Authorised Distributors/service providers are submitting the bid, Authorisation Form /Certificate with OEM/Original Service Provider details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid

### 7. Generic

Scope of supply includes Training: Number of employees to be trained

10  
, Place for Training

Lucknow  
and Duration of training  
02  
days.

#### 8. **Generic**

Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:

- i) The Seller fails to comply with any material term of the Contract.
- ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
- iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
- iv) The Seller becomes bankrupt or goes into liquidation.
- v) The Seller makes a general assignment for the benefit of creditors.
- vi) A receiver is appointed for any substantial property owned by the Seller.
- vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.

#### 9. **Scope of Supply**

Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods

#### 10. **Turnover**

Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

#### 11. **Turnover**

OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.

#### 12. **OEM**

IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.

#### 13. **Service & Support**

Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.

#### 14. **Service & Support**

Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

15. **Certificates**

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

16. **Certificates**

ISO 9001: The bidder or the OEM of the offered products must have ISO 9001 certification.

17. **Certificates**

Material Test Certificate Should Be Sent Along with The Supply. The Material Will Be Checked by Buyer's Lab & the Results of the Lab will be the Sole Criteria for Acceptance of the Item.

18. **Certificates**

The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.

19. **Certificates**

To be eligible for award of contract, Bidder / OEM must possess following Certificates / Test Reports on the date of bid opening (to be uploaded with bid):

YES

.

20. **Warranty**

Warranty period of the supplied products shall be 3 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.

21. **Past Project Experience**

The Bidder / OEM {themselves or through reseller(s)}, should have executed project for supply and installation / commissioning of same or similar Category Products during preceding 3 financial years (i.e. current year and three previous financial years) as on opening of bid, as per following criteria:

- (i) Single order of at least 35% of estimated bid value; or
- (ii) Two orders of at least 20% each of estimated bid value; or
- (iii) Three orders of at least 15% each of estimated bid value.

Satisfactory Performance certificate issued by respective Buyer Organization for the above Orders should be uploaded with bid. In case of bunch bids, the Category related to primary product having highest bid value should meet this criterion

22. **Forms of EMD and PBG**

Bidders can also submit the EMD with Fixed Deposit Receipt made out or pledged in the name of A/C

IG Security

. The bank should certify on it that the deposit can be withdrawn only on the demand or with the sanction of the pledgee. For release of EMD, the FDR will be released in the favour of the bidder by the Buyer after making endorsement on the back of the FDR duly signed and stamped along with covering letter. Bidder has to upload scanned copy/ proof of the FDR along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date/ Bid Opening date

23. **Forms of EMD and PBG**

Successful Bidder can submit the Performance Security in the form of Fixed Deposit Receipt also (besides PBG which is allowed as per GeM GTC). FDR should be made out or pledged in the name of

IG Security

A/C (Name of the Seller). The bank should certify on it that the deposit can be withdrawn only on the demand or with the sanction of the pledgee. For release of Security Deposit, the FDR will be released in favour of bidder by the Buyer after making endorsement on the back of the FDR duly signed and stamped along with covering letter. Successful Bidder has to upload scanned copy of the FDR document in place of PBG and has to ensure delivery of hard copy of Original FDR to the Buyer within 15 days of award of contract.

**24. Financial Criteria**

**NET WORTH:** Net Worth of the OEM should be positive as per the last audited financial statement.

**25. Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

**SPECIFICATION OF X-RAY BAGGAGE SYSTEM**

| -                | <b>Technical Specifications</b>   |
|------------------|---|
| <b><u>1</u></b>  | Tunnal Size-Mimum 60cm W (width) x 40 cm H(Height) or better.   |
| <b><u>2</u></b>  | Conveyor belt speed should be between 0.18 and 0.3 meter per second.<br>Conveyor movement bidirectional.  |
| <b><u>3</u></b>  | 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.          |
| <b><u>4</u></b>  | Conveyor Capacity- 160 kg or more   |
| <b><u>5</u></b>  | Through put should be 200 bags per hour or more   |
| <b><u>6</u></b>  | 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. |
| <b><u>7</u></b>  | X-Ray Voltage Maximum 160 KV  |
| <b><u>8</u></b>  | X-Ray Source/Generator - It should be capable to operate smoothly for a period of at least six years.   |
| <b><u>9</u></b>  | Duty Cycle 100%   |
| <b><u>10</u></b> | The X-ray beam divergence should be such that the complete image at maximum size of bag is displayed without corner cuts.   |

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| <b><u>11</u></b> | The radiation level should not exceed accepted health standard (0.1m R/Hr at a distance of 5 CM from external housing). Relevant certificate from AERB.   |
| <b><u>12</u></b> | The operating temperature normally should be -5 deg C to 55 deg C.  |
| <b><u>13</u></b> | Storage temperature -5 deg C to 55 deg C.   |
| <b><u>14</u></b> | Humidity- 90% non-condensing  |
| <b><u>15</u></b> | 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.  |
| <b><u>16</u></b> | Penetration should be 35 mm thickness of steel or more.   |
| <b><u>17</u></b> | 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.   |
| <b><u>18</u></b> | Video display- 18.5" or better LCD Monitor SVGA High resolution, low radiation, flicker free, resolution at least 1280 x 1024, 24 bit colour real time processing.  |
| <b><u>19</u></b> | 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. With this method to distinguish high density organic materials including explosives. Machine should have variable colour or materials stripping to facilitate the operator to monitor images of organic materials for closer scrutiny. All suspicious items (Explosives. High density, material narcotics) should be displayed in one mode and that should be on line |
| <b><u>20</u></b> | <b>Radiation Safety</b><br>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.   |
| <b><u>21</u></b> | Film -Safety Guaranteed safety for high-speed films up to ISO 1600. The machines should be film safe. In other words photographic films must not be damaged due to x-ray examination.   |

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| <b><u>22</u></b> | Machine should be properly sealed from all the sides for pest proof. Dust proof cover is to be provided for covering when system is not in use.   |
| <b><u>23</u></b> | Facility for variable contrast must be incorporated to allow enhancement of lighter and darker portion of the image.  |
| <b><u>24</u></b> | 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.  |
| <b><u>25</u></b> | Full diagnostic built in test facility. All models should have software controlled diagnosis report facility and system should give printout if printer is connected.   |
| <b><u>26</u></b> | All software features of machine should be online and password protected.   |
| <b><u>27</u></b> | Machine should be capable for recalling 15 or more previous images,   |
| <b><u>28</u></b> | It should have the capability of archiving up to 1.5 Lakh or more images with date & time stamp.  |
| <b><u>29</u></b> | 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.   |
| <b><u>30</u></b> | Availability of horizontal and vertical imaging.  |
| <b><u>31</u></b> | Facility of image enhancement should be available.  |
| <b><u>32</u></b> | 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.   |
| <b><u>33</u></b> | 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 to facilitate placing of baggage at input and output. |
| <b><u>34</u></b> | All software features should be controlled from keyboard of machine only. Keyboard function should be user friendly. To enable/disable the software features system should not be rebooted  |
| <b><u>35</u></b> | If the machine fails to penetrate a particular item then an alarm video and audio both should be generated to notify the operator   |
| <b><u>36</u></b> | The threat image projection (TIP) system software to be incorporated in all X- Ray BIS operation as per details given in Annexure-I.  |

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| <b><u>37</u></b> | Copy of all software including X-Ray Software with recovery CD must be provided.   |
| <b><u>38</u></b> | Operational Training- Operating staff has to be provided free training.  |
| <b><u>39</u></b> | Operating & service manual shall be provided with each machine.  |
| <b><u>40</u></b> | Other Features<br>a) Edge & variable edge enhancement<br>b) Inverse Video<br>c) Set up time not more than 10 minutes<br>d) Pseudo colour<br>e) Date & Time display.  |
| <b><u>41</u></b> | Minimum Computer Configuration:<br><b>CPU:</b> Should be able to deliver the output to meet the specifications mentioned as above.<br><b>Hard Disk Drive:</b> 500 GB 7200 rpm serial ATA HDD or Better<br><b>Mouse:</b> Optical<br><b>Ports:</b> 6 USB Ports (with at least 2 in Front), 1 Serial Port, 1 parallel port, 1 PS/2 Keyboard and 1 PS2 Mouse Port, audio ports for microphone and headphone in front<br>CD-R/RW Drive DVD Writer<br><b>Networking facility:</b> 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. |
| <b><u>42</u></b> | UPS- 3 KVA or better online with back-up time of 1/2 hour or more to whole system.   |
| <b><u>43</u></b> | Generator- Minimum 3 KVA backup generator which can take load of Machine, AC and Other accessories.  |
| -                | <b>Threat Image Projection</b>   |

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| <b>44</b> | Tip software facility shall be incorporated in the offered X-ray machine 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 the 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 operators action shall be recorded in the hard disc of the computer for the auditing purpose by the supervisor or other authorized person. |
| -         | <b>DESIGN OF THE SYSTEM:</b>  |
| <b>45</b> | Tip software should be compatible with other X-ray technologies such as automatic reject unit. Dual X-Ray screen technologies, automatic treat recognition system etc. All x-ray image functions must be available at the same time along with the TIP.   |
| -         | <b>IMAGE LIBRARY</b>  |
| <b>46</b> | The image library should have an image library containing at least 100 explosives devices, 100 knives and 100 firearms in various sizes, shapes, locations and orientations. However, the system shall have facility to expand the library to incorporate additional images by user without assistance of the manufacture.  |
| -         | <b>Technical Specifications</b>   |
| <b>47</b> | The image library should contain images of threats at different orientations both plan 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.  |
| -         | <b>TIME INTERVAL</b>  |

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| <b><u>48</u></b> | Programming facility shall be available to project threat images in different intervals. The time period for threat image as well as image mix in percentage shall be user programmable e.g. software shall select 40% images of explosive devices, 35% of fire arms & 25% knives or random etc.  |
| <b><u>49</u></b> | Once the screener has responded to identify the computer generated threat image, it should remain on the screen for a predefined user programmatic feedback message shall be visible to the screener.   |
| -                | <b>SYSTEM ADMINISTRATION</b>  |
| <b><u>50</u></b> | The threat image projection facility shall have details of user data-base such as Department name, screener name, Organization, User ID Number, level of access such as screener, administrator, Maintenance & Password etc.  |
| <b><u>51</u></b> | 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 log-in procedure should not take longer than 20 seconds. The system should have facility to by pass the 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.  |
| <b><u>52</u></b> | When the operator logs-in or logs-out message should be displayed on x-ray BIS VDU Screen to confirm that the/she has been correctly logged-in or logged-out.   |
| -                | <b>FEED BACK REPORT</b>   |
| <b><u>53</u></b> | 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 as clear bag.  |
| <b><u>54</u></b> | 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 TIP image. A "False Alarm" message shall be given when screener incorrectly indicate TIP image 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/tip object has been missed/ that a TIP object has been missed/no TIP object was present. Information should be recorded in the database. |

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| <b>55</b> | 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 to False Alarm or interr upt" be used.  |
| <b>56</b> | The system shall automatically prepare the daily log of e vents for each shift and for each Screener performance. TIP log shall include particulars of Name of Screener, Tim e & date of threat image, weather threat image was succ essfully identified or missed etc.  |
| <b>57</b> | The report on Threat Image Projection system may have date and time (From to) as per requirement. Screener pa rticulars, and decision/out come i.e. MISS, HIT or False Al arm in percentage as well in absolute numbers, numbers of bags screened, categories such as explosives devices, knife or weapon etc.                                       |
| <b>58</b> | As a standard practice, daily/weekly /monthly report shal l be retrieved. Report shall be for any given time and per iod, as per command.  |
| -         | <b>Technical specifications</b>  |
| <b>59</b> | All data should be stored on the system for a minimum o f two months after it has been down loaded. No individua l, regardless of access rights to the Threat Image Projecti on components would delete or amend any of threat ima ge Projection data or time i.e. Threat Image Projection da ta on the actual X-ray machine will be read only file. |

### **SPECIFICATION OF VEHICLE**

|          |                              |                   |
|----------|------------------------------|-------------------|
| <b>1</b> | Type of Body                 | MUV               |
| <b>2</b> | Type                         | 4 Cylinder        |
| <b>3</b> | Displacement                 | 2500 CC or better |
| <b>4</b> | Vehicle Emission Com plaince | BS-VI             |
| <b>5</b> | Type of Fuel                 | Diesel            |

|           |   |   |
|-----------|---|---|
| <b>6</b>  | Vehicle Colour type   | Solid   |
| <b>7</b>  | Colour of the vehicle   | White   |
| <b>8</b>  | Max Output  | 85 Kw or more   |
| <b>9</b>  | Max Torque  | 315 NM or more  |
| <b>10</b> | No. of Gears  | 05 Forward + 01 Reverse   |
| <b>11</b> | Body  | Monocoque Construction  |
| <b>12</b> | <b>Suspension:-</b><br>Front & Rear<br>Anti Roll Bar<br>Shock Absorbers | Spring Semi elliptical<br>Yes<br>Hydrolic Telescopic double acting<br>at front and rear |
| <b>13</b> | Type of Steering  | Power   |
| <b>14</b> | Wheel Base  | 3000 mm or better   |
| <b>15</b> | Length  | 5000 mm or better   |
| <b>16</b> | Width   | 1900 mm or better   |
| <b>17</b> | Height  | 2500 mm or better   |
| <b>18</b> | Ground Clearance  | 200 mm or better  |
| <b>19</b> | Air Conditioning  | With AC / DC Power Supply ( Driver Cabin & Operator Cabin)                              |
| <b>20</b> | Floor Type  | Anti-Slip / Synthetic Floor   |
| <b>21</b> | CCTV  | CCTV surveillance for entry & exit point  |
| <b>22</b> | Provision of external Supply  | Easy to switch from internal back up to mains supply                                    |

|           |                             |   |
|-----------|-----------------------------|---|
| <b>23</b> | Power Backup                | 3 KVA UPS with 30 minutes or more power backup for XBIS & CCTV operation                  |
| <b>24</b> | Push to Talk                | Push to talk Two way communication should be available at both end of entry & exit points |
| <b>25</b> | Fuel Tank Capacity (Litres) | 55 Litres or more   |
| <b>26</b> | Gross Vehicle Weight        | 3000-4000 Kgs   |
| <b>27</b> | Type of Vehicle Tyre        | Tubeless  |
| <b>28</b> | Vehicle Transmission System | Manual  |
| <b>29</b> | Vehicle Brake ABS Fitted    | Yes   |

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A ) Firm shall have to submit Notary certified on a Non-Judicial stamp of rupees 10 . The certified must mention following point:-

1. That their firm was neither black listed nor they were prevented to participate in any Govt. tender.
2. That no criminal case in under investigation, pending or trail ag ainst the firm in any court with regard to fraud, insolvency, copy right/patent.
3. That there is no family relation with members of a black listed firm among the persons running the participating firms.
4. Firm participating in tender should not form cartel or alliance.

**B)** Physical Demonstration of the Quoted / Proposed equipment must be provided by the bidder.

**C)** Exemption in EMD will be applicable only to MSMEs of Uttar Pradesh.

**D)** Quoted Model of Vehicle Mounted XBIS AERB type test Certificate should be uploaded along with the bid.

**E)** Since our primary product is X-ray Baggage, so, the experience criteria, past performance and average turnover of the same will be considered.

**F)** Generator- Minimum 03 KVA backup Generator which can take load of machine, AC and other accessories for 24 x7.

## अस्वीकरण/Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. If any clause(s) is / are incorporated by the Buyer regarding following, the bid and resultant contracts shall be treated as null and void and such bids may be cancelled by GeM at any stage of bidding process without any notice:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process. (However, in bids for [attached categories](#), trials are allowed as per approved procurement policy of the buyer nodal Ministries)
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.
15. Buyer added ATC Clauses which are in contravention of clauses defined by buyer in system generated bid template as indicated above in the Bid Details section, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by GeM GTC.
16. In a category based bid, adding additional items, through buyer added additional scope of work/ additional terms and conditions/or any other document. If buyer needs more items along with the main item, the same must be added through bunching category based items or by bunching custom catalogs or bunching a BoQ with the main category based item, the same must not be done through ATC or Scope of Work.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

**All GeM Sellers/Service Providers shall ensure full compliance with all applicable labour laws, including the provisions, rules, schemes and guidelines under the four Labour Codes i.e. the Code on Wages, 2019; the Industrial Relations Code, 2020; the Occupational Safety, Health and Working Conditions Code, 2020; and the Code on Social Security, 2020 as and when notified and brought into force by the Government of India.**

**For all provisions of the Labour Codes that are pending operationalisation through rules, schemes or notifications, the corresponding provisions of the pre-existing labour enactments (such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The**

**Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972, etc. and relevant State Rules) shall continue to remain applicable.**

**The Seller/ Service Providers shall, therefore, be responsible for ensuring compliance under:**

- **All notified and enforceable provisions of the new Labour Codes as mentioned hereinabove; and**
- **All operative provisions of the erstwhile Labour Laws until their complete substitution.**

**All obligations relating to wages, social security, safety, working conditions, industrial relations etc. and any other statutory requirements shall be strictly met by the Seller/ Service Provider. Any non-compliance shall constitute a breach of the contract and shall entitle the Buyer to take appropriate action in accordance with the contract and applicable law.**

[यह बिड सामान्य शर्तों के अंतर्गत भी शासित है /This Bid is also governed by the General Terms and Conditions](#)

जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने

व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।/In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

**---धन्यवाद/Thank You---**