

बिड दस्तावेज़ / Bid Document

बिड विवरण/Bid Details	
बिड बंद होने की तारीख/समय /Bid End Date/Time	25-08-2025 16:00:00
बिड खुलने की तारीख/समय /Bid Opening Date/Time	25-08-2025 16:30:00
बिड पेशकश वैधता (बंद होने की तारीख से)/Bid Offer Validity (From End Date)	90 (Days)
मंत्रालय/राज्य का नाम/Ministry/State Name	Ministry Of Labour And Employment
विभाग का नाम/Department Name	Na
संगठन का नाम/Organisation Name	Employees State Insurance Corporation (esic)
कार्यालय का नाम/Office Name	Esic Model Hospital Namkum Ranchi Jharkhand
कुल मात्रा/Total Quantity	1
वस्तु श्रेणी /Item Category	Digital Radiography System (V2) (Q2)
बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का) /Minimum Average Annual Turnover of the bidder (For 3 Years)	45 Lakh (s)
मूल उपकरण निर्माता का औसत टर्नओवर (गत 3 वर्षों का)/OEM Average Turnover (Last 3 Years)	350 Lakh (s)
उन्हीं/समान सेवा के लिए अपेक्षित विगत अनुभव के वर्ष/Years of Past Experience Required for same/similar service	3 Year (s)
वर्षों के अनुभव के लिए एमएसई को छूट प्राप्त है / MSE Exemption for Years Of Experience	Yes Complete
वर्षों के अनुभव के लिए स्टार्टअप को छूट प्राप्त है / Startup Exemption for Years Of Experience	Yes Complete
विक्रेता से मांगे गए दस्तावेज़/Document required from seller	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover *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/Do you want to show documents uploaded by bidders to all bidders participated in bid?	Yes (Documents submitted as part of a clarification or representation during the tender/bid process will also be displayed to other participated bidders after log in)

बिड विवरण/Bid Details	
बिड लगाने की समय-सीमा बढ़ाने के लिए आवश्यक न्यूनतम सहभागी विक्रेताओं की संख्या। / Minimum number of bids required to disable automatic bid extension	1
दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / Number of days for which Bid would be auto-extended	7
विगत प्रदर्शन / Past Performance	30 %
बिड से रिवर्स नीलामी सक्रिय किया/Bid to RA enabled	Yes
रिवर्स नीलामी योग्यता नियम/RA Qualification Rule	50% Lowest Priced Technically Qualified Bidders
व्यापक रखरखाव शुल्क आवश्यक / Comprehensive Maintenance Charges Required	Yes
बिड का प्रकार/Type of Bid	Two Packet Bid
तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय /Time allowed for Technical Clarifications during technical evaluation	3 Days
निरीक्षण आवश्यक (सूचीबद्ध निरीक्षण प्राधिकरण /जेम के साथ पूर्व पंजीकृत एजेंसियों द्वारा)/Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
अनुमानित बिड मूल्य /Estimated Bid Value	9000000
मूल्यांकन पद्धति/Evaluation Method	Total value wise evaluation
वित्तीय दस्तावेज की आवश्यकता है / Financial Document Required	Yes
मध्यस्थता खंड/Arbitration Clause	No
सुलह खंड/Mediation Clause	No

ईएमडी विवरण/EMD Detail

एडवाइजरी बैंक/Advisory Bank	State Bank of India
ईएमडी राशि/EMD Amount	225000

ईपीबीजी विवरण /ePBG Detail

आवश्यकता/Required	No
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(a). जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित कैटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज प्रस्तुत करने हैं। एमएसई कैटेगरी 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 :

MEDICAL SUPERINTENDENT

Esic Model Hospital Namkum Ranchi Jharkhand, NA, Employees State Insurance Corporation (ESIC), Ministry of Labour and Employment

(Esic Fund Account No-02)

विभाजन/Splitting

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

एमआईआई खरीद वरीयता/MII Purchase Preference

एमआईआई खरीद वरीयता/MII Purchase Preference	Yes
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एमएसई खरीद वरीयता/MSE Purchase Preference

एमएसई खरीद वरीयता/MSE Purchase Preference	Yes
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1. If the bidder is a Micro or Small Enterprise as per latest orders issued by Ministry of MSME, the bidder shall be exempted from the eligibility criteria of "Experience Criteria" as defined above subject to meeting of quality and technical specifications. The bidder seeking exemption from Experience Criteria, shall upload the supporting documents to prove his eligibility for exemption.
2. If the bidder is a DPIIT registered Startup, the bidder shall be exempted from the the eligibility criteria of "Experience Criteria" as defined above subject to their meeting of quality and technical specifications. The bidder seeking exemption from Experience Criteria, shall upload the supporting documents to prove his eligibility for exemption.
3. 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.
4. 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.
5. 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.
6. 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.

7. Purchase preference will be given to MSEs having valid Udyam Registration and whose credentials are validated online through Udyam Registration portal 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 themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product on GeM. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. 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 and Buyer will decide eligibility for purchase preference based on documentary evidence submitted, while evaluating the bid. If L-1 is not an MSE and MSE Seller (s) has / have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such MSE Seller shall be given opportunity to match L-1 price and contract will be awarded for 25% (selected by Buyer) 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. Benefits of MSE will be allowed only if seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

8. 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.

9. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 30% 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.

10. Reverse Auction would be conducted amongst first 50% of the technically qualified bidders arranged in the order of prices from lowest to highest. Number of sellers eligible for participating in RA would be rounded off to next higher integer value if number of technically qualified bidders is odd (e.g. if 7 bids are technically qualified, then RA will be conducted amongst L-1 to L-4). In case number of technically qualified bidders are 2 or 3, RA will be between all without any elimination. If Buyer has chosen to split the bid amongst N sellers, then minimum N sellers would be taken to RA round. In case Primary products of only one OEM are left in contention for participation in RA based on lowest 50% bidders qualifying for RA, the number of sellers qualifying for RA would be increased to get at least products of one more OEM (directly participated or through its reseller) if available. Further, if bid(s) of any seller(s) eligible for MSE preference is / are coming within price band of 15% of Non MSE L-1 or if bid of any seller(s) eligible for Make in India preference is / are coming within price band of 20% of non MII L-1, then such MSE / Make in India seller shall also be allowed to participate in the RA process.

Pre Bid Detail(s)

मूल्य भिन्नता खंड दस्तावेज़/Pre-Bid Date and Time	प्री-बिड स्थान/Pre-Bid Venue
31-07-2025 09:00:00	कर्मचारी राज्य बीमा निगम चिकित्सा महाविद्यालय एवं अस्पताल, राँची

Digital Radiography System (V2) (1 pieces)

(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

[* जेम कैटेगरी विशिष्टि के अनुसार / As per GeM Category Specification](#)

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
Table and Table top parameters	Type of table	Floating Top Type
	Type of table movement	Motorized, Manual
	Portability of table	Yes, No
Upright Bucky	Type	Manual vertical Bucky Stand, Motorized tilting
Digital Detector	Number of detectors	Dual
Warranty	Warranty in Years	1, 2, 3, 4, 5 Or higher (year)

व्यापक रखरखाव / Comprehensive Maintenance	
Warranty of required product	5 Year
Comprehensive Maintenance Duration (Post Warranty)	5 Year

*Warranty displayed under the AMC/CMC Details section will supersede the warranty displayed under the catalog specification

प्रेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.N o.	प्रेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Dr Sunita Minz	834010,ESIC MODEL HOSPITAL, NAMKUM, RANCHI	1	15

Special terms and conditions-Version:1 effective from 07-05-2024 for category Digital Radiography System (V2)

1. All Provisions of Drugs and Cosmetics Act, 1940 and Rules (including Medical Device Rule 2017) made there under as amended till date will always be applicable. This will include all notifications issued by Central Drugs Standard Control Organization (CDSCO), Ministry of Health & Family Welfare (MoHFW) and Department of Pharmaceuticals (DOP), Ministry of Chemicals & Fertilizers time to time in this regard.
2. The sellers are registered on GeM based on the self declaration of valid Medical Device License,

- product certification, test reports etc. However, buyers must check and validate the details at their end for all applicable licenses and certifications e.g., validity and authenticity/genuineness of Medical Device license, product certification, manufacturer certification/licenses, test reports etc.
3. In case of authorized resellers/distributors, it will be the legal & regulatory liability of the manufacturer to ensure that their resellers/distributors are operating in compliance with all relevant laws and regulations and are properly licensed to sell the manufacturer's products, including verifying the validity and authenticity of Medical Device license held by them.
 4. The price offered by the seller/bidder shall not, in any case exceed the DPCO/NPPA controlled price or price fixed by State Government, if any. The seller must reduce the prices if there is any reduction in DPCO/NPPA ceiling price or price fixed by State Government, if any.
 5. Any other Terms and Conditions which is not included or at variance with the conditions specified in STC/GTC, may be added by the buyer through Additional Terms and Conditions (ATC) in the bid to ensure items are procured from authentic/validated source with appropriate and applicable quality. The above terms and conditions are in reverse order of precedence i.e. ATC shall supersede specific STC which shall supersede General Terms and Conditions (GTC), whenever there are any conflicting provisions.
 6. **Comprehensive warranty:** Comprehensive warranty shall include preventive maintenance including calibration as per technical/ service /operational manual of the manufacturer, service charges and spares. During the warranty period commencing from date of the successful completion of warranty period, Service personnel shall visit each consignee site as recommended in the manufacturer's technical/ service /operational manual, at least once in six months. warranty shall not be including the consumables. Further there will be 98% uptime warranty during warranty period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend warranty period by double the downtime period.
 7. **Service centres:** Details of Service outlets in India to render services for equipment to be furnished to buyer/consignees with complete address, telephone numbers, e mails etc at time of making the supplies. It shall be the responsibility of seller to ensure that authorized service centres are available to cater to the areas where supplies are made within reasonable distance from where the service calls can be handled. Details of toll-free numbers for service call and online registration of service requests also to be provided buyer/consignee at the time of supplies.
 8. **Source of supply:** It shall be responsibility of seller to provide Documents regarding source of equipments such as copy of Performa invoice or any other documents to establish that the products supplied are manufactured by OEM indicated and sourced from them.
 9. **Packing and Marking:** Medical equipments being very delicate and sensitive packing for the goods should be strong and durable enough to withstand transit including transshipment (if any), rough handling, open storage etc. without any damage, deterioration etc. .The size, weights and volumes of the packing cases, remoteness of the final destination of the goods, availability or otherwise of transport and handling facilities at all points during transit up to final destination,. Quality of packing, the manner of marking within & outside the packages and provision of accompanying documentation shall take into consideration the type of medical equipments being supplied. The accessories shall be suitably labelled and packed. Each of the package shall be marked on three sides with indelible paint of proper quality: indicating contract number and date, brief description of goods including quantity, Packing list reference number, country of origin of goods and any other relevant details.
 10. **Spare Parts:** Seller shall provide materials, information etc. pertaining to spare parts manufactured and supplied by the OEM. It shall be ensured that the required spares are available for purchase at least for 10 years from date of supplies. In case due to any reasons the production of the spare parts is discontinued sufficient advance notice should be given to the buyer/consignee before such discontinuation to provide adequate time to purchase the required spare parts etc. Further, OEM and their service centres/dealers shall carry sufficient inventories to assure ex-stock supply of consumables and spares for the equipments so that the same are available. OEM or reseller shall always accord most favoured client status to the buyer/consignee and shall give the most competitive price for spares and consumables of its machines/equipments supplied.
 11. **Installation, Training, Manuals:** Seller shall be responsible to carry out Installation & commissioning, Supervision and Demonstration of the goods. They shall provide required jigs and tools for assembly, minor civil works for the completion of the installation and Training of Consignee's representatives for operating and maintaining the equipment and supplying required number of operation & maintenance manual for the goods. In case the category parameters are specifying any requirements regarding the installations, training and manuals the same shall also be applicable.
 12. **Electrical safety checking:** Sellers are required to make sure that they furnish the list of equipments for carrying out routine and preventive maintenance to buyer/consignee .They should make sure to periodically check the electrical safety aspects as per BIS Safety Standards or equivalent .In case they do not have required equipment for such testing should ensure that the

equipments checked for electrical safety compliance through labs with facilities for such checking during every preventive maintenance call.

13. **Software:** All software updates should be provided free of cost during warranty period.

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**

After award of contract – Successful Bidder shall have to get Detailed Design Drawings approved from buyer before starting fabrication. Successful Bidder shall submit Detailed Design Drawings for Buyer's approval, within 5 days of award of contract. Buyer shall, either approve the drawings or will provide complete list of modification required in the drawings within 7 days. Seller shall be required to ensure supply as per approved Drawings with modifications as communicated by Buyer. If there is delay from buyer side in approval of drawing– the delivery period shall be refixed without LD for the period of delay in approval of Drawing.

3. **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.

4. **Forms of EMD and PBG**

Bidders can also submit the EMD with Account Payee Demand Draft in favour of

ESIC Fund Account No-2
payable at
RANCHI

Bidder has to upload scanned copy / proof of the DD along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.

5. **Scope of Supply**

Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)

6. **Purchase Preference (Centre)**

Indian suppliers of this item are not allowed to participate and/ or compete in procurement by some foreign governments. Bidders / products from such countries are not eligible / not allowed to participate in this bid in terms of clause 1 (d) of Public Procurement (Preference to Make in India) Order, 2017

7. **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.

8. **Certificates**

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

9. **Service & Support**

Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.

10. **Warranty**

Bidder / OEM has to give an undertaking that after expiry of warranty period, it will provide Comprehensive Maintenance Service for next 5 years for the offered products at the rate not more than 5 % of contract price per annum. Buyer reserves the right to enter into a CMC agreement with the Successful Bidder / OEM after expiry of the Warranty period at above mentioned rate and the payment for the CMC charges would be made Annually after rendering of the CMC Services of the relevant CMC period. Performance Security of the successful bidder shall be forfeited if it fails to accept the CMC contract when called upon by the buyer. CMC would include cost of

250

(Upload the undertaking). The original Performance Security of contract will be returned only after submission and verification of AMC Performance Security for 2% of total CMC value valid up to CMC period plus 2 months (if there is no other claim).

11. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

Annexure -I

Digital Radiography System 500mA

Digital Radiography System with high frequency dual detector X-Ray Machine 500mA

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A fully integrated single console controlled Digital Radiography System with high frequency

X- Ray generator for general Radiography with a dual flat panel detector along with table

bucky and vertical bucky capable of taking the complete range of radiographic examinations

with the following Specifications and configuration.

The Unit should be completely integrated system (integrated X-Ray generator and image

and image acquisition control console) along with auto features in quality control and

performance automatic exposure control (AEC), anatomical programming radiography

(APR), position of detector for supine and vertical studies.

I. High Frequency Generator

50KW generator should be latest technology with high frequency offering 50KHz or more.

Constant power output of 40KW or more Generator should offer 3 point technique and user

should have following parameters selection range.

1. KV range should be 40 to 125
 2. mA output: 500mA at 100 KVP
 3. mAs range should be 1 to 500mAs
 4. Exposure time should be 1ms to 4 secs or better.

II. X-ray Tube

1. A Dual focus rotating anode X-ray tube with small focus 0.6 mm or less and large focus 1.2 mm or less
2. Anode heat storage capacity of the tube should be 300KHU or more.
3. Tube rotation speed 9000 RPM or more.
4. Collimator having halogen lamp/ bright light source and auto shut provision of the light
5. HV cable: 1 pair of H.V. Cable of suitable length.

III. Tube stand

1. Floor to ceiling tube stand with counter balanced tube head
2. It should have movements to make all radiographic position (erect and supine studies) possible.
3. The horizontal movement for the tube stand should be minimum 200cm.
4. Tube should have minimum vertical travel of 150cm with minimum floor to focus distance of 35cm
5. Tube should have angulations of minimum +/-135 degree with detents at 0 degree,

+/-90

degree with angulation meter.

6. Tube head should have source image distance (SID) measuring tape and should

have collimation light source.

IV. Table

1. The table material should be scratch resistant (carbon fibre).

2. Top should be made of low radiation absorption and water proof material

3. Horizontal 6 way table with floating table top should be provided.

4. Table should be provided with inbuilt FPD (flat panel detector) minimum 43cm x

43cm size or more, beneath the table top

5. Transverse movements (18cm or more) and longitudinal movements (45cm or more)

of the table top and should be locked by electromagnetic locks.

6. Table should consist of motorized reciprocating bucky with grid ratio 10:1.

7. The table should cover entire length of the table and should be locked at any desired

position by electromagnetic lock.

8. Table should be 210cm x 70cm or more.

9. Minimum and maximum adjustable heights 55-85 cm.

10. Load bearing capacity of table in kg :200 kg or more.

11. Table accessories like stainless steel cassette tray, compression band should be

provided.

12. Bucky tray should be equipped with cassette type wired or wireless flat panel

detector.

V. VERTICAL BUCKY

1. The stand should be floor mounted motorized type.

2. Wall stand should have minimum of 3 field AEC

3. Vertical bucky stand with oscillating grid ratio of 10:1 to be provided

4. The bucky should move up and down and should be equipped with up to 43cm x

43cm (17 x17") size cassette type wired or wireless detachable flat panel detector.

VI. Flat Panel Detector (FPD with TFT technology)

1. The Digital Detectors should be latest wired or wireless Flat Panel Detector (FPD)

2. One 17" x 17" size detector for table and one 17" x 17" size detector for vertical

bucky should be provided.

3. The detector Scintillator material should be made up of Cesium Iodide (CsI) and

sensor with Thin Film Transistor (TFT) and Amorphous Silicon technology.

4. The detector should be water resistant.

5. Wireless detector if provided should be free from any integration with x ray machine.

The same should be able to use with any mobile x-ray machine so that Detector can

be used portably. The detector should be capable of doing out of bucky radiography in

wireless mode and also lateral supine radiography must be possible.

6. The detector should have DQE of 65% at 0 lp/mm.

7. The detectors should have a minimum spatial resolution of 3.5 lp/mm or more.

8. Detector array size/ Active Image Matrix should be a minimum of 3.0K x 3.0K pixels.

9. Pixel Pitch: 140 microns or less

10. Image depth should be 14 bit or more.

11. The detector offered should be light in weight and less than 4 Kgs

12. Images pre-viewing should be available in about less than 3 sec after exposure and

the cycle time should be less than 7 sec.

13. The battery must be latest Lithium ion type. 5 Nos batteries along with battery

charger should be provided in case of wireless detector being offered. Fully charged

battery should last for at least 5 hours in operating mode and 8 hours in energy saving mode.

Company should replace batteries free of cost for next five years. The battery of

should be replaced irrespective of charge cycle limitations. In case of inbuilt battery

detector manufacturer should either replace battery or detector, in case of any breakdown of battery. Kindly specify battery type and life of offered model.

14. Detector offered should be capable of integrating with any x-ray system or mobile x-

ray and should be readily switchable within multiple x-ray machine, in case there is

breakdown in the x-ray system.

15. The detector should be able to work at normal room temperature and humidity. The

detector system should not require frequent calibrations on daily start up.

16. Offered detector should have load bearing capacity of 200 Kgs or more.

VII. Fully integrated X-ray/ Image control console system with following

features

1. Digital display for display of X-ray parameters of KV and mAs. There should be

option of selecting mA station

2. MA, KV and mAs increase and decrease switches.

3. Tubal focal spot selection switch.

4. Ready and X-ray ON switch with indicators.

5. Bucky selection switch.

6. Self-diagnostic programme with indicators for earth fault error, KV error, filament

error and tube's thermal overload.

7. An inbuilt overload protection device

8. APR Programs: More than 200 programs. (Expandable as per user's requirement)

such that any number of organ programming combinations are possible, and user

can define his own organ parameters and can edit the existing parameters to his

satisfaction and comfort level.

9. A dual action hand switch with retractable cord should be provided
10. The DR console should be offered with latest high end image processing capability console software and with i7 processor with 16GB RAM and 2 TB HDD with 01 No. minimum 21 inch LCD medical display Monitor or higher .

VIII. Image acquisition software

1. Software provides complete control of all image capture functions within the examination room It enhances the entire workflow by delivering diagnostic image instantly. It also allows user to transfer X ray images electronically to remote workstations, image archives, and printers, also has an excellence
2. performance on image quality control such as:-
3. Digital image processing technology.
4. Preview image in less than 3 seconds
5. Exam specific Algorithms image processing for consistent image quality of all parts
6. Present image processing tools for different anatomy.
7. Image zooming, ROI, image cropping and masking, automatic grid removal function
8. Image mirror, rotate.
9. Image annotation.
10. Soft tissue processing must be possible.
11. Should offer capability of local image storage.
12. Should be capable of connecting directly to the dry laser printer.
13. Should be capable of connecting minimum of 2 flat panels.
14. A separate workstation should be provided which must be of latest generation, of a reputed brand with windows 11 pro or latest operating system, at least 16GB RAM, Intel i7 processor or better with high processing speed, 2TB HDD and 01 No. 2M P LCD medical display monitor of size minimum 21 inches with storage capacity of

minimum 10000 images with ability to review and report X-Rays independent of main

console.

15. Image stitching along with hardware and software.

16. The workstation should be capable of configuring multi format images for DICOM

printers

17. Add image accept/ reject comments.

18. Rejected images archival with provision of converting them to accepting images.

19. True size for printing

20. Inbuilt CD/DVD writer facility.

21. Easy and quick offset and gain calibration with bad pixel removal algorithm.

22. DICOM 3.0 compliant system All features mentioned below should be quoted as-

a) DICOM work list management

b) DICOM print

c) DICOM query/retrieve

d) DICOM CD creation/ DVD creation with embedded viewer.

e) DICOM storage

f) Support DICOM MPPS

23. Easy integration and network capability with the existing /future networking including

other modalities and RIS/HIS/PACS facility.

24. There should be facility for complete range of post processing features like measurements, annotations, window levelling, window width etc.

25. DR console should be connected to a compatible dry laser printer with resolution 500

DPI or more.

26. The printer should accept all size films up to 14" x 17" size (three film size trays

should be active). The system must have at least two online film sizes. Day light loading should be possible.

27. Multi format printing should be possible with the user selectable options.

28. It should be possible to create alphabetical, date wise and exam based, work

k list.

Work list should be auto refreshing.

29. It should have the ability to print hospital name with patient details. It should have

the provision of adding patient photo in film or data

IX. Power Requirement

1. The unit should be operable on Three Phase AC (380-440 V, 50/60 Hz)

2. The power requirement should be furnished by the vendor during the bid submission

X. Accessories

1. Reputed brand online UPS(3KVA) for the whole system including computer/digital

components and printer with 45 minutes backup.

2. Suitable Servo Voltage stabilizer for entire DR system including console, workstation,

printer etc.

3. Lead glass of size 100 x 150 cm or more for console room as per AERB rules.

4. Two light weight 'zero lead' aprons (0.5mm Pb).

5. Gonadal shields for male and female one set each.

6. Thyroid shields 02 No.s

7. Lead gloves 02 pairs and lead goggles 02 No.s

8. Stand for lead aprons and gonad shields.

9. Table - as required for console/ workstation.

10. Four high swivel chairs.

11. Examination stool - one

12. Footstep for patients - one

13. Foot switches for adjusting longitudinal/side to side movements, locking and light

adjustments.

14. Patient fixing belts.

15. DAP meter

16. Two LED based view boxes with adjustable illumination to view 3 films of 14 x 17 in

each view box.

XI. Mandatory Requirements

1. The company should be ISO certified company. European CE Certification with Notified Body Number / IS 7620 BIS Part 1 & Part 2

2. The whole systems should have BIS or USFDA or CE approval and the entire system

and model should have AERB type approval.

3. Company should have ISO 9001:2015 and ICMED 13485 certificate. Also have MD 9

License for Medical Devices from CDSCO for quoted model. CDSCO Import/Manufacturing License

4. Licence from AERB for supplying Diagnostic X-Ray units in India.

5. QA Analysis and report shall be the part of the installation process. Regular QA and

QC as per AERB norms would be the responsibility of the vendor.

6. Site modification as per AERB guidelines for radiation shielding of doors/walls/windows to be done by successful bidder.

7. Minimum two components out of three major components (flat panel detector , X-ray

generator and X-ray tube) must be from the same manufacturer and bidder and Generator, Detector & Software from Same Manufacturer.

8. Bidder should have proven track record in Central/State government/PSU and should

have installed at **least three same**/similar DR system during the last three years with

satisfactory performance report from the **HOD of the User department of Institution.**

9. The bidder and the principal company should have a good reputation and never been

black - listed or debarred in any state and central government organization.

10. If the bidder is not the manufacturer of detectors warranty support documents

should be made available in the form of undertaking from detector manufacturer .

11. Spares:

a) Manufacturer/principal to give undertaking to provide spares/reagents/consu

mables/

accessories etc for next 10 years of their quoted model.

b) Principal manufacturer to give undertaking that they will maintain and service the

equipment in case Indian agent/supplier fails to provide the service.

12. Training: Minimum of 1 week of onsite training at the Hospital should be provided to

radiographers and radiologists.

13. Product Data Sheet :

a) All specification to be provided with the original product data sheet.

b) All technical specification should be supported with original data sheet highlighting

the page number in the compliance sheet.

c) The equipment quoted should be the main equipment of the principal manufacturer.

d) The X-ray machine and its main components should find a place in the manufacturer

website and the copy of the webpage showing the same should be enclosed in the

tender document.

e) The bidder to mention its principal manufacturer's website address.

14. Availability of Toll-free facility for technical support maintained by OEM or Authorized

Agency.

15. Address of local service centre to be provided.

16. Offered system should have **5 year warranty** from date of installation and **5 year**

CMC to be quoted separately.

17. Demonstration of the equipment should be a part of Technical qualification.

18. OEM/Authorized seller certificate to be submitted.

General Points:-

□ The equipment should be software and platform protected for the entire life time of

the equipment.

□ All software upgrades should be done free of cost by the OEM/bidder within one month of issue of new upgrade from Principal OEM.

□ Even during the warranty period, the desired uptime of 98% of 365 days will be ensured. In case the downtime exceeds the 2% limit, extension of the warranty period will be twice the Excess downtime period.

□ Bid/Tender should include a clause that availability of Spares/Reagents/consumables/accessories etc shall be ensured by the bidder for complete lifespan of the equipment or 10 years (whichever is more).

□ Buy Back: Buyback option where applicable may be duly evaluated.

19. The bidder shall be responsible for dismantling, packing, and shifting the existing machine as per the instructions of the department within the hospital premises. The bidder shall coordinate with the Radiology Department and ensure that all AERB-related formalities are duly completed.

20. Minor /major turnkey works shall be carried out by the bidder as required to ensure compliance with AERB guidelines.

1. **Experience Certificate** - Bidder should have minimum of 3 years' experience (F.Y. 2022-23, 2023-24 & 2024-25) in supplying same or similar category equipment's/items to any Central / State Govt Organization / Autonomous body/ PSU . Bidder has to submit copies of relevant Contract copy and delivery acceptance certificate like CRAC in support of having supplied some quantity during each of the financial year.
2. **Past Performance** - The Bidder should have supplied same or similar Category Products for 50% of bid Value, in at least one of the last three financial years (FY 2022-23, 2023-24 & 2024-25) to any Central / State Govt Organization / Autonomous body/ PSU. Bidder shall submit Copies of relevant Contract copy with CRAC.
3. **Turnover Criteria** - The bidder shall submit the copy of Audit P&L Account and Balance sheet (F.Y. 2021-22, 2022-23 & 2023-24) or the Turnover certificate issued by the Chartered Accountant/Cost Accountant as per GeM instructions.
4. **EMD Exemption Certificate** - Under MSE category, only **manufacturers for goods** are eligible for exemption from EMD. Traders are excluded from the purview of this, hence proper "MSE certificate" must be submitted.
5. **EMD** - Scanned Copy/proof of the DD in favor of ESIC Fund Account No-2 payable at Ranchi, wherever applicable. It must be submitted/upload scanned copy / proof of the DD along with hardcopy to the Buyer within 3 days of Bid End date / Bid Opening date
6. **Make in India Certificate** - This must be submitted on the letter head of the OEM.
7. **OEM Authorization** - If the bidder is an OEM, then he must submit a self declaration on his letter head in this regard. In case bidder is not OEM, the OEM Authorization certificate issued by the OEM in the name of bidder shall be submitted with other details.
8. Reverse Auction shall be conducted.

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.

Additional Clause For Comprehensive Maintenance Charges

1.CMC shall include preventive maintenance including calibration as per technical/ service /operational manual of the manufacturer, service charges and spares, after satisfactory completion of Warranty. During the CMC period commencing from date of the successful completion of warranty period, Service personnel shall visit each consignee site as recommended in the manufacturer's technical/ service /operational manual, at least once in six months or as per user requirement. Cost of consumables shall not be included in CMC. Further there will be 98% uptime warranty during CMC period on 24 (hrs) X 7 (days) X 365 (days) basis, with penalty, to extend CMC period by double the downtime period.

2.CMC charges to be indicated as percentage of cost of equipment quoted for each year after the warranty period.

3.GST shall be included in the CMC Charges quoted.

4.Cost of CMC will be added for Ranking/Evaluation purpose with depreciation formula. A 10% discounting rate per year shall be applied on CMC Charges for price evaluation on Net Present Value.

5.The payment of CMC will be made on quarterly basis after satisfactory completion of said period, duly certified by end user.

6.While creating a bid or RA, buyers shall indicate whether CMC is required against Yes/No" options. If CMC Charges are included, an option for number of years for CMC required after the warranty period shall be available. Under this option up to 10 years can be chosen for CMC charges beyond warranty period.

7.In case the bid has a provision for CMC, the warranty of the product will also be deemed to have been converted into Comprehensive warranty including preventive maintenance and calibration as per technical/ service /operational manual of the manufacturer, service charges and spares, during the Warranty Period also. Sellers are therefore advised to include the cost of Comprehensive Warranty including spares (excluding consumables) also in product Cost.

8.The CMC functionality shall be available in bid only and no direct RA shall be applicable. In case of bid to R/A decrement rules shall be applicable on total price inclusive of CMC charges. Bunching of products shall not be available while creating bids with CMC charges.

8.1.Buyer shall indicate number of years of warranty by selecting different options available in the field depending on warranty parameter applicable in category parameters for the equipment. No. of years of warranty indicated here shall supersede the warranty period indicated elsewhere in bid or product specifications. The Seller while participating in Bid/RA will get fields to indicate CMC charges as percentage depending on number of years of CMC selected by Buyer. The following shall be applicable, if 5 year CMC selected:

CMC charges for 1st year after warranty period- Percentage to be indicated- A1

CMC charges for 2nd year after warranty period- Percentage to be indicated- A2

CMC charges for 3rd year after warranty period - Percentage to be indicated- A3

CMC charges for 4th year after warranty period - Percentage to be indicated- A4

CMC charges for 5th year after warranty period - Percentage to be indicated- A5

Similarly, A6 to A10 are to be indicated for 6th to 10th year of CMC if applicable.

8.2.The calculation of CMC Charges shall take into account the number of years of warranty and duration of CMC as specified while creating bid.

8.3.In the price evaluation, the system shall provide function to calculate the cost of each equipment by formula indicated below including CMC and then show the inter-se-ranking of the bidders. The following are the variables

(i) Number of years for which CMC required.

(ii) Number of years of product warranty

The formula for calculating total cost including CMC charges shall be as under:

Total Cost for evaluation=

$C + C * \{ (A1/100)/(1.10^n) + (A2/100)/(1.10^{n+1}) + (A3/100)/(1.10^{n+2}) + (A4/100)/(1.10^{n+3}) + (A5/100)/(1.10^{n+4}) \}$ and so on

C - Cost for equipment quoted and n shall be number of years of product warranty specified.

If 2 year warranty specified, n shall be 2 and if 5 year warranty specified, n shall be 5. A1, A2, A3, A4 & A5 shall depend on how many years CMC selected. For 3 year CMC, only A1, A2 and A3 factors are to be taken into account and A4 and A5 will not be applicable.

8.4.CMC charges offered for each subsequent year should be same or higher than preceding year.

8.5.The CMC charges shall be offered within range of 3 to 10% of cost of equipment.

9.Since CMC charges are to be paid only later for each year during CMC period, applicable performance guarantee amount after placement of contract shall be based on the cost of equipment excluding the cost of CMC Charges.

10.Performance bank guarantee applicable for CMC is to be submitted at start of the CMC and shall be applicable between 2.5% to 10% as specified in bid on total CMC Charges. The PBG submitted after award of contract shall be released only after new PBG for the CMC period is submitted and accepted by buyer/consignee after due verification. Bank guarantee for CMC is to remain valid till completion of CMC period plus one year. The bank guarantee for CMC shall be submitted to buyer directly. In case, seller fails to submit the PBG or does not provide

services for the CMC contract after expiry of warranty period then PBG of equipment shall be forfeited.

11. In case of splitting of order quantity, equipment cost and CMC charges offered by L1 bidder shall be matched by higher quoting eligible bidders on one-to-one basis. The equipment cost and CMC charges (year to year) shall be matched individually.

12. The CMC Contract shall be an offline contract to be handled by buyer. The payment of CMC will be made on quarterly basis after satisfactory completion of said period, duly certified by end user and scope of CMC will be as per para 1 above.

13. CMC Charges are inclusive of all the charges for Transportation, Lodging, Boarding, all insurances including third party insurance and all other incidental charges. The same shall include GST. The prices also include cost of spares and damaged parts. Purchaser does not have any liability, whatsoever, over and above the cost of CMC. It also includes for arranging hand tools & tackles, special tools etc. required to carry out the work.

All GeM Sellers / Service Providers are mandated to ensure compliance with all the applicable laws / acts / rules including but not limited to all Labour Laws 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. Any non-compliance will be treated as breach of contract and Buyer may take suitable actions as per GeM Contract.

[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 कार्यवाई 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---