

### Bid Document

Bid Details	
<b>Bid End Date/Time</b>	05-04-2022 13:00:00
<b>Bid Opening Date/Time</b>	05-04-2022 13:30:00
<b>Bid Life Cycle (From Publish Date)</b>	90 (Days)
<b>Bid Offer Validity (From End Date)</b>	65 (Days)
<b>Ministry/State Name</b>	Ministry Of Health And Family Welfare
<b>Department Name</b>	Department Of Health And Family Welfare
<b>Organisation Name</b>	All India Institute Of Medical Sciences (aiims)
<b>Office Name</b>	Aiims, New Delhi
<b>Total Quantity</b>	2
<b>Item Category</b>	Mobile Digital Radiography Systems (Q3)
<b>MSE Exemption for Years of Experience and Turnover</b>	No
<b>Startup Exemption for Years of Experience and Turnover</b>	No
<b>Document required from seller</b>	Certificate (Requested in ATC),OEM Authorization Certificate,Additional Doc 1 (Requested in ATC),Additional Doc 2 (Requested in ATC),Additional Doc 3 (Requested in ATC),Additional Doc 4 (Requested in ATC),Compliance of BoQ specification and supporting document *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
<b>Bid to RA enabled</b>	Yes
<b>RA Qualification Rule</b>	50% Lowest Priced Technically Qualified Bidders
<b>Comprehensive Maintenance Charges Required</b>	Yes
<b>Time allowed for Technical Clarifications during technical evaluation</b>	2 Days
<b>Estimated Bid Value</b>	20000000
<b>Evaluation Method</b>	Total value wise evaluation

#### EMD Detail

Advisory Bank	State Bank of India
EMD Percentage(%)	2.00
EMD Amount	400000

## ePBG Detail

Advisory Bank	State Bank of India
ePBG Percentage(%)	3.00
Duration of ePBG required (Months).	62

(a). 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). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

### Beneficiary:

DIRECTOR, AIIMS

Aiims, New Delhi, Department of Health and Family Welfare, All India Institute of Medical Sciences (AIIMS), Ministry of Health and Family Welfare  
(Director, Aiims)

### Splitting

Bid splitting not applied.

### MII Purchase Preference

MII Purchase Preference	Yes
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### MSE Purchase Preference

MSE Purchase Preference	Yes
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1. 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 .In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.

2. 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% (Selected by Buyer) 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%(selected by Buyer) percentage of total QUANTITY.

3. 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.

4. 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.

## Mobile Digital Radiography Systems ( 2 pieces )

(Minimum 50% Local content required for qualifying as Class 1 Local Supplier)

Brand Type	Registered Brand
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### Technical Specifications

\* [As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
Digital Detector	<b>Detector Size</b>	17 inches x 17 inches (wireless), 14 inches x 17 inches(wireless )
	<b>Matrix size</b>	2kx2k, 3kx3k
	<b>Detector storage capacity</b>	100 images or more, Not available
Control panel for image acquisition	<b>Control panel entry</b>	Touch screen, Alphanumeric key board
	<b>Inbuilt console should have touch TFT screen and control</b>	Yes, No
X RAY Generator and Tubes	<b>" High Frequency X-ray Generator Power in Kw"</b>	6Kw, 15 Kw, 50 Kw, 30 Kw, 32 Kw, 3.5 Kw, 40Kw, 20Kw, 35 Kw
	<b>KV range</b>	40-125 or more, 40-110, 40-100
	<b>Maximum mA</b>	70 @ 50 KVP, 100 @ 40 KVP, 150 @ 100 KVP, 200 @ 100 KVP, 400 @ 100 KVP
	<b>Focal spot,mm</b>	0.8-2, 0.5-1.2, 0.3-1
	<b>Heat Capacity ,KHU</b>	40-100, 101-200, 201-300
	<b>Anode Type</b>	Stationary, Rotating
	<b>Anode rpm</b>	3000 or more for rotating, NA for stationary

Specification	Specification Name	Bid Requirement (Allowed Values)
	" Control Panel and x-ray Tube "	Yes, No
	Automatic tube positioning	Yes, No
Workstation	Monitor size in inches	12, 14, 17
	Processor	i 3, i 5, i 7
	RAM in GB	2, 4
	HDD	500 GB, 1 TB
	Inbuilt console should have touch screen control	Yes, No
	No of images which can be stored	3000 or more, 5000 or more, 10000 or more
Accessories	Stitching hardware and software	Yes, No
	DAP Meter supplied	Yes, No
	Lead Apron	Yes, No
	Light weight 'zero lead' radiation protection aprons provided	Yes, No
	Extractable measurable tape should be available	Yes, No
	Motorized movement for complete machine	Yes, No
	Castor wheel	Yes, No
	Machine should run on mains as well as battery supply	Yes, No
	No of exposures which can be run on battery	10 or more, 25 or more, 50 or more, NO, 100 or more, 200 or more
	Battery should be able to provide power to the motor to move machine	Yes, No
Miscellaneous Parameters	Number of installations of the portable digital radiography machines in Central /State/PSU Govt Hospitals( Note: Seller should supply a performance certificate of the device to the buyer if demanded after placement of order)	No installation, up to 3, more than 3
	Warranty (Option of comprehensive warranty is available through bidding only, which if opted will supersede normal warranty in the catalogue)	5, 1, 2, 3, 4

<b>Comprehensive Maintenance</b>	
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

**Additional Specification Parameters - Mobile Digital Radiography Systems ( 2 pieces )**

Specification Parameter Name	Bid Requirement (Allowed Values)
TECHNICAL REQUIREMENTS	GREQUIRED TECHNICAL SPECIFICATIONS HAS BEEN ATTACHED IN "BUYER ADDED BID SPECIFIC ATC". BIDDERS ARE REQUIRED TO QUOTE FOR THE PRODUCT MEETING WITH TECHNICAL REQUIREMENT GIVEN IN "BUYER ADDED BID SPECIFIC ATC" .

\* Bidders offering must also comply with the additional specification parameters mentioned above.

**Consignees/Reporting Officer and Quantity**

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Satish Sangawat	110029,Ansari Nagar	2	60

**Buyer Added Bid Specific Terms and Conditions**

1. Experience Certificate for the supply of the same to any Govt/ PSU/ any renowned private organisation along with Supply/ Purchase Order.
2. Make in india specific authorisation certificate needs to be enclosed.
3. **Generic**

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 50 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 50% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

4. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

**SPECIFICATIONS FOR DIGITAL MOBILE X-RAY**

Compact, easily transportable digital mobile radiographic unit with articulated/telescopic arm suitable for x-ray of patients on bedside, intensive care units and operation theaters. The unit should be a digital system with flat panel detector. System must include the following:

Sr.	Specification as per Tender
	<b>Power Line Connection:</b>
	The unit should operate on single-phase power supply with plug in facility to any standard wall outlet with automatic adaptation to line voltage 200 to 240 Volts, 15 Amp plug.
1	<b>The Generator:</b>
	<ul style="list-style-type: none"> <li>• Must be microprocessor controlled high frequency, output 35KW or above. It should have a digital display of mAs and kV.</li> </ul>
	<ul style="list-style-type: none"> <li>• It should have a digital display of mAs and kV.</li> </ul>
	<ul style="list-style-type: none"> <li>• KV range: 40kV to 125 kV or more.</li> </ul>
	<ul style="list-style-type: none"> <li>• Max. current:- 400 mA or more</li> </ul>
	<ul style="list-style-type: none"> <li>• Exposure time range: 0.001 - 10 s</li> </ul>
2	<b>X-Ray Tube:</b>
	<ul style="list-style-type: none"> <li>• Single or Dual Focal spot ÷ specify the size &amp; whether single or dual</li> </ul>
	<ul style="list-style-type: none"> <li>• Rotating anode with 2700 or more rpm</li> </ul>
	<ul style="list-style-type: none"> <li>• heat storage capacity of the anode: 120 KHU or better</li> </ul>
	<ul style="list-style-type: none"> <li>• Tube overload protection should be available</li> </ul>
3	<b>Collimator:</b>
	<ul style="list-style-type: none"> <li>• Type: Manual, with LED light field indicator</li> </ul>
	<ul style="list-style-type: none"> <li>• Laser / LED light alignment at fixed SID should be available</li> </ul>
	<ul style="list-style-type: none"> <li>• It should also have a tilt angle indicator and measuring tape.</li> </ul>
4	<b>Flat panel detector:</b>
	<ul style="list-style-type: none"> <li>• Detector should be wireless with swappable batteries</li> </ul>
	<ul style="list-style-type: none"> <li>• The flat detector (1 No. with 2 batteries) should be of the size 14"x 17" or better.</li> </ul>
	<ul style="list-style-type: none"> <li>• The detector pixel size should be 160µ or less</li> </ul>
	<ul style="list-style-type: none"> <li>• The detector pixel matrix size should be 2k X2k or more.</li> </ul>
	<ul style="list-style-type: none"> <li>• Image resolution should be 3.0 lp/mm or more</li> </ul>
	<ul style="list-style-type: none"> <li>• The machine should have a detector storage compartment</li> </ul>
	<ul style="list-style-type: none"> <li>• The image viewing time after exposure should not be more than 10 sec.</li> </ul>
	<ul style="list-style-type: none"> <li>• Weight of wireless portable detector of 14" x 17" size should be less than 4 Kg.</li> </ul>
	<ul style="list-style-type: none"> <li>• Grey scale of the detector should be 16 bits or more</li> </ul>
	<ul style="list-style-type: none"> <li>• Battery of detector should be sufficient for at least 200 exposures or more with single charge</li> </ul>
	<ul style="list-style-type: none"> <li>• Detector battery charging facility should be available on the main system so that, it can be charged while moving</li> </ul>

5	<b>Battery:</b>
	<ul style="list-style-type: none"> <li>• The battery should provide power for the motor to move the machine</li> <li>• If the battery is fully drained out the machine should be ready to work on direct mains.</li> </ul>
6	<b>Workstation:</b>
	<ul style="list-style-type: none"> <li>• The machine should have an integrated workstation with a 17" TFT touch screen and built in charger at base unit</li> <li>• The workstation should enable to view the image, and provide post processing features, using touch screen.</li> <li>• The post processing features should include, zoom, contrast and brightness adjustment, storage of image with a memory of at least 2000 images.</li> <li>• The touch screen size should be at least 17 inches.</li> </ul>
7	<b>Connectivity:</b>
	The machine should be fully network ready and it should be possible to transfer images and patient data from and to hospital network using LAN connectivity and wireless LAN, existing HIS. System should be DICOM 3 ready and DICOM functions including DICOM Print, Image Export, WLM, MPPS. It should provide the possibility to write all Patient images, Studies and single images onto CDs directly on workstation.
8	The unit must have an effective braking system for parking, transport and emergency braking. The tube stand must be fully counterbalanced with rotation in all directions.
9	It must have an articulated / telescopic arm for maximum positioning flexibility and maneuverability of the system.
10	The exposure release switch should be detachable with a cord of at least 5 meters. Exposures with remote control should be possible. Remote control should also be offered with system.
11	The Dose Area Product meter should measure the X-ray dose output at the collimator and reports the measured Dose Area Product (mGy*m2) to the DICOM header of the image.
12	System should be able to remove scattered radiations through software algorithms without using grid. Grid should be offered.
13	HDD Encryption for Image data should be possible for better security.
14	Accessories: Two light weight 'zero lead' aprons should be provided.
15	<b>Essential Certification</b> <ul style="list-style-type: none"> <li>• Radiation safety certificate - offered model must have a valid AERB NOC / Type approved certificate at the time of submission of tender.</li> <li>• Quality certificate: Entire unit should have BIS/ US-FDA/ CE (European) certificate issued by notified bodies under directive 93/42/EEC Medical Devices</li> </ul>
16	<b>Warranty/After Sale Service</b> <ul style="list-style-type: none"> <li>• Five-year comprehensive on-site warranty of entire system (Spares and labour) including X-ray tube and all accessories. This will be followed by 5 years comprehensive CMC.</li> <li>• 95% uptime guarantee should be given. In case down time exceeds 5%, penalty in the form of extended warranty, double the number of days for which the equipment goes out of service, will be applied.</li> </ul>

**Disclaimer**

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization. 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 specification and / or terms and conditions governing the bid. Any clause incorporated by the Buyer such as demanding Tender Sample, incorporating any clause against the MSME policy and Preference to make in India Policy, mandating any Brand names or Foreign Certification, changing the default time period for Acceptance of material or payment timeline governed by OM of Department of Expenditure shall be null and void and would not be considered part of bid. Further any reference of conditions published on any external site or reference to external documents / clauses shall also be null and void. 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=

$C + C * \left\{ \frac{A1}{100} / (1.10^n) + \frac{A2}{100} / (1.10^{n+1}) + \frac{A3}{100} / (1.10^{n+2}) + \frac{A4}{100} / (1.10^{n+3}) + \frac{A5}{100} / (1.10^{n+4}) \right\}$  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 5% 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.

[This Bid is also governed by the General Terms and Conditions](#)

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.

**---Thank You---**