

Bid Document

Bid Details	
Bid End Date/Time	31-10-2022 18:00:00
Bid Opening Date/Time	31-10-2022 18:30:00
Bid Offer Validity (From End Date)	65 (Days)
Ministry/State Name	Uttar Pradesh
Department Name	Medical Health And Family Welfare Department Uttar Pradesh
Organisation Name	N/a
Office Name	Lucknow Hq
Total Quantity	31
Item Category	1.5 T MRI Machine (Q2)
Minimum Average Annual Turnover of the bidder (For 3 Years)	12602 Lakh (s)
Years of Past Experience Required for same/similar service	3 Year (s)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,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
Past Performance	10 %
Bid to RA enabled	No
Comprehensive Maintenance Charges Required	Yes
Time allowed for Technical Clarifications during technical evaluation	2 Days
Estimated Bid Value	4200937907
Evaluation Method	Total value wise evaluation

EMD Detail

Advisory Bank	State Bank of India
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EMD Percentage(%)	2.00
EMD Amount	84018758

ePBG Detail

Advisory Bank	State Bank of India
ePBG Percentage(%)	5.00
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:

Managing director
Lucknow HQ
(Dr. Mutthukumarswamy B)

Splitting

Splitting Applied	Yes
Maximum No. Of Bidders Amongst Which Order May Be Split	2

MSE Purchase Preference

MSE Purchase Preference	No
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MII Purchase Preference

MII Purchase Preference	No
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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 {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of Financial years as indicated above in the bid document 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 Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.

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. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 10% 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 / Public Listed Company. 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.

Pre Bid Detail(s)

Pre-Bid Date and Time	Pre-Bid Venue
11-10-2022 12:00:00	UPMSCL OFFICE

1.5 T MRI Machine (31 pieces)

Brand Type	Registered Brand
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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
MAGNET	Magnet Configuration	Wide Bore
GANTRY	Bore diameter at isocenter (cm)	70
	Maximum bore length with cover (cm)	140-149, 150-159
SHIM SYSTEM	Type of shimming	Active and Passive
PATIENT TABLE	Safe patient transfer cart provided	Yes
	Table Type	Dockable, Fixed
	Table movements	Vertical and Horizontal
	Lateral movement in Table	Yes, No
GRADIENT SYSTEM	Peak Amplitude with each axis independently (mT/m)	$\geq 30, \geq 40$
	Standard slew rate, with each axis independently (T/m/sec)	$\geq 100, \geq 200$
	Peak amplitude and max slew rate should be achievable	Simultaneously, Independently
RF SYSTEM	Minimum RF transmitter and receiver power output (KW)	10, 15, 20, 25, 30
	Minimum Number of independent / quadrature RF receiver channels (Acquisition in single channel and single FOV)	8, 16, 32, 16 and 32 (scalable), 64, 32 with 64 (Scalable), 48, 128, 24

Specification	Specification Name	Bid Requirement (Allowed Values)
	RF system's minimum number of elements that can be connected simultaneously in single FOV and single scan	8, 16, 24, 32, 48, 64, Coil and FOV dependent
COIL SYSTEM	Location of Channel connectivity for Better SNR	Magnet
	Location of coil connectors	Table
	Parallel imaging -uses redundant information acquired by multiple coil elements to significantly accelerate image acquisition The overall image time can be reduced by a factor of two or more	Yes
	Parallel imaging - Maximum parallel acquisition acceleration factor	≥ 4
	Multi-element matrix coil Type	Surface
	Element selection type	Automatic
	Head and Neck Coil - Number of elements (minimum)	8, 10, 14, 16, 20, 32 Or higher
	Head and Neck coil, Detachable face - a detachable front section is Intended to help reduce patient anxiety	Yes
	Head and neck Coil, Patient mirror(s) - include a small mirror that enables the patient to see outside the bore, which can reduce patient anxiety	Yes, No
	Spine Coil - Number of elements (minimum)	24, 32, 40 Or higher
	Anterior Body coil	Yes
	Dedicated Anterior body coil with Spine Coil (body imaging at Max FOV) (Single or combination of coils) - Maximum elements used simultaneously	1, 2, 3, 9, 32, 6, 12, 18, 8 Or higher
	Breast Coil	Yes
	Breast Coil - Number of elements (minimum)	4, 7, 8, 16, 18, 0 Or higher
Dedicated Breast Biopsy Coil	Yes, No	

Specification	Specification Name	Bid Requirement (Allowed Values)
	Spine (CTL)	Yes, No
	Head + Neck, Neuro-Vasculature	Yes, No
	Whole CNS (Head + Whole Spine)	Yes
	Chest, Heart	Yes
	Abdomen, Pelvis	Yes
	Whole Abdomen	Yes
	Peripheral Vasculature	Yes
	Prostate, Colon, Rectum, Cervix	Yes
	Dedicated Knee coil	Yes
	Knee coil - number of elements (minimum)	15 Or higher
	Dedicated Ankle coil	Yes
	Ankle coil - number of elements (minimum)	0, 8, 16 Or higher
	Dedicated Shoulder coil	Yes
	Shoulder coil - number of elements (minimum)	0, 3, 6, 16 Or higher
	Dedicated Wrist coil	Yes
	Wrist coil - number of elements (minimum)	0, 8, 16 Or higher
	Multi-Purpose Coils	Yes, No
	Temporo-Mandibular Joints	Yes
	Whole Body	Yes, No
	Flex coils small and large at least 4 channel	Yes
SCANNING TECHNIQUES	Standard pulse sequences (Series of RF and gradient pulses used to generate MR signals for image acquisition)	Yes
	Image acquisition - Patient movement compensated, head and body	Yes
	Isotropic 3-D (T1) and Isotropic 3-D fast spin echo (T2)	Yes

Specification	Specification Name	Bid Requirement (Allowed Values)
	Fat suppressed Single breath-hold 3-D body imaging using parallel acquisition of gradient echo pulse sequences	Yes
	Single-point Dixon acquisition - this technique generates different image contrasts such as water-only, fat-only, in-phase, and out-of-phase	Yes
	Gradient Echo - An imaging sequence in which echo is created by switching a pair of dephasing and rephasing gradients such as spoiled, rewind and Steady state free precession techniques	Yes
	Spectroscopy for Breast	Yes
	Spectroscopy for Prostate	Yes
	Multi parametric study for prostate	Yes
	Bilateral Breast imaging with fat suppression with time intensity graph	Yes
	Non-contrast angiographic imaging technique (time of flight, phase contrast and SSFP) is used to visualize flow within vessels	Yes
WORKSTATION QUANTITATIVE IMAGE ANALYSIS TOOLS	fMRI tools	Yes, No
	Diffusion Imaging tools	Yes
	Diffusion tensor imaging tools	Yes
	Cardiac imaging tools	Yes, No
WORKSTATION SPECIFICATIONS	Image post processing workstation model	Client Server
	Number of nodes to be provided	2, 3
	Number of Concurrent Licenses to be provided	1, 2, 3, Not Applicable in case of Standalone Workstation
	All necessary compatible and up gradable software including post processing software for all offered application including DTI and other associated post processing like MIP, MPR, and surface reconstruction to be provided	Yes

Specification	Specification Name	Bid Requirement (Allowed Values)
	Software's for analyzing DWI, Spectroscopy, perfusion, CSF flow data, T1 relaxation, T2 relaxation, T2*relaxation to be provided	Yes
	System should be capable of having number of DTI directions (minimum)	12, 32, 128, 256 Or higher
	Cardiac package for morphology and cardiac angiography	Yes
	Output in the form of jpeg, avi /equivalent formats	Yes
	Display of cardiac cine images in movie mode with rapid avi creation in workstation	Yes
SERVER HARDWARE	Minimum Processing Power of Server	20,000 concurrent slices
	Ram Size	≥ 64 GB
	Monitor Size of Server	≥ 19 inch
	Monitor Type of Server	LCD/LED/TFT
WORKSTATION HARDWARE	Minimum Ram Size of Workstation	8, 16 Or higher
	Minimum Storage capacity of Workstation	1000 Or higher
ACCESSORIES	MRI Compatible auto pressure injector	Yes
	MR Compatible basic ventillator	Yes
	MR Compatible Monitor (ECG, SpO2, NIBP, RR and HR/PR) with slave display in control room	Yes, No
	MR Compatible medical O2 gas pipeline with cylinder and standard accessories	Yes

Specification	Specification Name	Bid Requirement (Allowed Values)
	MRI compatible trolley and wheel chair to transfer patient in and out of gantry room	Yes
	Dry laser camera with minimum resolution of 500 DPI and with three trays to accommodate three different size of films	Yes
	Online UPS for backup of at least 30 minutes for entire system	Yes
CERTIFICATIONS AND REPORTS	Product certification	EU-CE, US- FDA
PRE-INSTALLATION SITE REQUIREMENTS	Power Requirements(KVA)	30, 40, 60, 90, 120, 160 Or lower
	Preparation of MRI Room, console Room , Technical room, patient preparation room, one wash room etc to be done by the seller in the area of approx 900 sq feet	Yes
	Vinyl flooring, wooden panels and good quality false ceiling in MRI room to be done by the seller	Yes
	Tile based false ceiling and floor tiling and wall tiling till false ceiling in rooms other than MRI room to be done by the seller	Yes
	Necessary modification civil work, electrical , plumbing, furnishing, air conditioning in the given area to be done by the Seller	Yes
	Doors other than main MRI room to be of good quality Aluminium doors and to be done by the seller	Yes
	RF shielding for doors , wall, glass viewer etc to be done by the seller	Yes
WARRANTY	Warranty in Years (Option of comprehensive warranty is available through bidding only, which if opted will supersede normal warranty in the catalogue)	5 Or higher

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

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Bhawana Tyagi	226010,SUDA Bhawan, 7/23, Sector-7, Gomtinagar Extension, Lucknow-226010	31	90

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 by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

2. Generic

Actual delivery (and Installation & Commissioning (if covered in scope of supply)) is to be done at following address Consignees are various locations in different Districts of UP. However actual consignee will be shared at later date after the finalization of said tender. Consignees are various locations in different Districts of UP. However actual consignee will be shared at later date after the finalization of said tender. Consignees are various locations in different Districts of UP. However actual consignee will be shared at later date after the finalization of said tender. Consignees are various locations in different Districts of UP. However actual consignee will be shared at later date after the finalization of said tender. Consignees are various locations in different Districts of UP. However actual consignee will be shared at later date after the finalization of said tender..

3. 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)

4. 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.

5. **Forms of EMD and PBG**

Bidders can also submit the EMD with Payment online through RTGS / internet banking in Beneficiary name UP Medical Supplies Corporation Limited Account No. 39366886265 IFSC Code SBIN0006893 Bank Name State Bank of India Branch address UP Civil Secretariat , Vidhan Sabha Marg, Lucknow . Bidder to indicate bid number and name of bidding entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer along with bid.

6. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

The physical demonstration of the quoted model of the said item will be held details of which will be shared at later stage through email with technically qualified bidders. Bidders are requested to mention their Email ID and contact no. in technical bid for future correspondence.

Transportation charges or any other charges will not be beard by UPMSCS .It is the responsibility of respective bidders.

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.

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 specifications 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. Also, GeM does not permit collection of Tender fee / Auction fee in case of Bids / Forward Auction as the case may be. Any stipulation by the Buyer seeking payment of Tender Fee / Auction fee through ATC clauses would be treated as null and void.

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 includingCMC 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& A5shall 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---