

BRIHANMUMBAI MUNICIPAL CORPORATION**CENTRAL PURCHASE DEPARTMENT**

Sub: Minutes of Pre-bid meeting held on 05.05.2025 at 3.00 p.m. for Supply, Installation, Testing and Commissioning of **3 Tesla 64 Channel MRI Machine (04 Nos.)** along with Standard Accessories with 3 years Warranty and 7 years CMC for Radiology department of various BMC Hospitals

Ref: Mahatender ID : 2025_MCGM_1173632_1

Pre-bid meeting was conducted on **05.05.2025 at 3.00 p.m.** under the Chairmanship of Hon. A.M.C. (W.S.) to discuss & finalize the terms and conditions for the tender of “Supply, Installation, Testing and Commissioning of **3 Tesla 64 Channel MRI Machine (04 Nos.)** along with Standard Accessories with 3 years Warranty and 7 years CMC for Radiology department of various BMC Hospitals” through Mahatender portal.

Following officers of BMC and company representatives were present. However, Hon. AMC(W.S.) was pre-occupied in other meeting, the same was conveyed by DMC(CPD).

BMC Officers				
Sr. No.	Name	Designation	Hospital/Department	
1	Shri. Sharad Ughade	DMC	PH	
2	Shri. Shingade B.R.	C.A.	CPD	
3	Dr. Sunita Tibrewala	Hod & Prof. (Radio. dept.)	Nair Hospital	
4	Dr. Anagha Joshi	Hod & Prof. (Radio. dept.)	LTMG Hospital	
5	Dr. Hemangini Thakkar	Hod & Prof. (Radio. dept.)	KEM Hospital	
6	Dr. Deeleep Bhonsale	Prof. (Radio. Dept.)	Cooper Hospital	
7	Shri. Ajay V. Patil	Dy.C.E.(M&E)	CPD	
8	Shri. Vivian Kolekar	Ex. Engg (M&E) i/c	CPD	
9	Shri. Umesh Shetty	AO	CPD	
Company representatives				
Sr. No.	Name	Name of Company	E-mail ID	Mobile no.
1.	Mr. Prabakar Sukumaran	M/s Wipro GE	Prabakar.sukumaran@gehealthcare.com	9586050886
2.	Mr. Sunil Jagtap	M/s Siemens Healthineers	suniljagtap@siemenshealthineer.com	9223330028

3.	Mr. Rajiv Gupta	M/s Synthetic MR	rajivgupta@syntheticmr.com	8860078885
4.	Mr. Andrew	M/s United Imaging	kjandrew@rediffmail.com	9821354872
5.	Saiee Sathe	M/s Lifecare	saieesathe@lcms.in	9321144503
6.	Mr. Rohan Mehtani	M/s Marrsis Disha	rohan@marrsis-disha.com	9870232229

The suggestions from bidder on point to point technical specifications were discussed. After pre-bid meeting, concerned HOD has made following changes

Suggestion / objections received from M/s Wipro GE Healthcare Pvt. Ltd.			
Sr. No.	Specification of BMC	Suggestion of Bidder / Opinion of HOD	Decision taken
1.	1-h)-(iv)- Second order /High order shimming should be standard	Second order /High order/ Auto Shimming should be standard or DELETE	Active Second order / Active High order shimming should be standard
2.	3-a)-(ii) Minimum Gradient Strength should be 60mT/m or more along each axis at a slew rate of 200 T/m/s in each axis. Gradient Strength should be such that minimum amplitude of atleast 60mT/mat minimum slew rate of 200T/m/s with minimum rise time from 0 to 60mT/m should be 300µs. This should be achieved simultaneously for same FOV and preferably low linearity. The gradient and slew rate value must be actual and should not be compared to 60 mT/m and 200 T/m based on equivalent TE / TR values.	Minimum Gradient Strength should be 44mT/m or more along each axis at a slew rate of 200 T/m/s in each axis. Gradient Strength should be such that minimum amplitude of atleast 44mT/mat minimum slew rate of 200T/m/s with minimum rise time from 0 to 44mT/m should be 220µs or minimum rise time from 0 to 45 mT/m should be 225 µs	Tender Condition prevails
Suggestion / objections received from M/s Siemens Healthcare Pvt. Ltd.			
3.	1-h)-(iv)- Second order /High order shimming should be standard	Active Second order /Active High order shimming should be standard	Active Second order / Active High order shimming should be standard

4.	<p>5-B)- Additional workstation Server Hardware: The server (single/dual configuration) should have image storage capacity of at least 2.5 Tera bytes, minimum 20,000 concurrent slice processing power and at least 64GB RAM and 2.5 GhzCPU. 21" or more TFT/LCD monitor. Server should be vendor neutral with Compatibility with data from other MRI systems for post processing.</p>	<p>Additional workstation Server Hardware: The server (single/dual configuration) should have image storage capacity of at least 5 Tera bytes, minimum 40,000 concurrent slice processing power and at least 192 GB RAM and 2.5 GhzCPU. 21" or more TFT/LCD monitor. Server should be vendor neutral with Compatibility with data from other MRI systems for post processing.</p>	<p>The server (single/dual configuration) should have image storage capacity of at least 5 TB, minimum 40,000 concurrent slice processing power and at least 64 GB192GB RAM and 2.5 GhzCPU. 21" or more TFT/LCD monitor.</p>
5.	<p>6-e)- Diffusion /DTI: Sequence package for diffusion including DTI (tractography) study in organs like brain, kidney, muscle, heart, spine, breast, etc</p>	<p>Sequence package for diffusion including DTI (tractography) study in organs like brain, spine, etc.</p>	<p>Sequence package for diffusion study in organs like brain, kidney, muscle, heart, spine, breast, etc</p> <p>DTI (tractography) in Brain and Spinal cord/spine</p>
6.	<p>12-(i)- All the Servers and Workstations in the network (MRI console, additional workstation, PACS workstation, fMRI workstation, etc.) that is supplied by the vendor should be provided with antivirus software (periodically updated) for the entire life of the system .</p>	<p>All the Servers and Workstations in the network (MRI console, additional workstation, PACS workstation, fMRI workstation, etc.) that is supplied by the vendor should be provided with antivirus software (periodically updated) for the entire life of the system .</p>	<p>All the Servers and Workstations in the network (MRI console, additional workstation, PACS workstation, fMRI workstation, etc.) that is supplied by the vendor should be provided with antivirus software (periodically updated) for the entire life of the system</p>
7.	<p>Warranty Period .1. The warranty period of the 3T MRI system should be 3 years and commences from the date of handing over (from the date of issue of Inspection Note) of the fully functional unit. All coils and the accessories supplied</p>	<p>The warranty period of the 3T MRI system should be 3 years and commences from the date of handing over (from the date of issue of Inspection Note) of the</p>	<p>The warranty period of the 3T MRI system should be 3 years and commences from the date of handing over (from the date of issue of Inspection Note) of the fully functional unit. All</p>

	<p>(such as UPS including batteries replacement as when required, AC, Generator etc.) including third party items such as MR compatible infusion pump, patient monitor with probes, MR compatible anesthesia machine should be under warranty against Manufacturing defects of material and workmanship. The Helium Supply and cold head repairs (including replacement, if needed) should be included in the warranty period.</p>	<p>fully functional unit. All coils and the accessories supplied (such as UPS including batteries replacement as when required, AC, Generator etc.) including third party items such as MR compatible infusion pump, patient monitor with probes, MR compatible anesthesia machine should be under warranty against Manufacturing defects of material and workmanship. The Helium Supply and cold head repairs (including replacement, if needed) should be included in the warranty period.</p>	<p>coils and the accessories supplied (such as UPS including batteries replacement as when required, AC, Generator etc.) including third party items such as MR compatible infusion pump, patient monitor with probes, MR compatible anesthesia machine should be under warranty against Manufacturing defects of material and workmanship. The Helium Supply and cold head repairs (including replacement, if needed) should be included in the warranty period.</p>
8.	<p>POST GUARANTEE ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT (CMC):1. The postwarranty (after 3 years) CMC should be comprehensive and should include helium and cold head (repair and / or replacement) + labour + spares for the complete system which includes all the accessories supplied such as UPS, Generator, AC, etc. (including all consumables like batteries for UPS, and maintenance for another 5 years after expiry of the warranty. All third party accessories and supplied items, including hardware, software, antivirus etc are covered under the CMC. If a 3rd party item cannot be serviced or repaired during the CMC period , the same shall be replaced with a new equivalent or better model by the bidder at no additional cost to MCGM</p>	<p>POST GUARANTEE ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT (CMC):1. The postwarranty (after 3 years) CMC should be comprehensive and should include helium and cold head (repair and / or replacement) + labour + spares for the complete system which includes all the accessories supplied such as UPS, Generator, AC, etc. (including all consumables like batteries for UPS, and maintenance for the warranty. All third party accessories and supplied items, including hardware, software, antivirus etc are covered under the CMC. If a 3rd party item cannot be serviced or repaired during the CMC period</p>	<p>POST GUARANTEE ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT (CMC):</p> <p>The post- warranty (after 3 years) CMC should be comprehensive and should include helium and cold head (repair and / or replacement) + labour + spares for the complete system which includes all the accessories supplied such as UPS, Generator, AC, etc. (including all consumables like batteries for UPS, and maintenance for another 5 7 years after expiry of the warranty.</p>

		, the same shall be replaced with a new equivalent or better model by the bidder at no additional cost to MCGM .	
9.	The equipments shall be having warranty of three years as described in the tender document elsewhere. The warranty and CMC shall cover all the spare parts for total 10 years (warranty 3 years and CMC 7 years). The manufacturer shall supply of spares, consumables for at least two years after the contract period of eight years is over. The successful bidder has to ensure that all the required spares and services are available during the period of CMC and 2 years after the contract period of eight years. All third party accessories and supplied items, including hardware, software, antivirus etc are covered under the CMC. If a 3rd party item cannot be serviced or repaired during the CMC period , the same shall be replaced with a new equivalent or better model by the bidder at no additional cost to BMC .	The equipments shall be having warranty of three years as described in the tender document elsewhere. The warranty and CMC shall cover all the spare parts for total 10 years (warranty 3 years and CMC 7 years). The manufacturer shall supply of spares, consumables for at least two years after the contract period of eight years is over. The successful bidder has to ensure that all the required spares and services are available during warranty and CAMC period.	The equipments shall be having warranty of three years as described in the tender document elsewhere. The warranty and CMC shall cover all the spare parts for total 10 years (warranty 3 years and CMC 7 years). The manufacturer shall supply of spares, consumables for at least two years after the contract period of Ten years is over. The successful bidder has to ensure that all the required spares and services are available during warranty and CAMC period.
10.	C-1)- The quoted CT Scan equipment shall have CE mark from European Conformity (EC) notified bodies issued from European address and valid US FDA approval and documentary evidence to that effect shall be uploaded	The quoted MRI equipment shall have CE mark from European Conformity (EC) notified bodies issued from European address and valid US FDA approval and documentary evidence to that effect shall be uploaded.	The quoted CT MRI Scan equipment shall have CE mark from European Conformity (EC) notified bodies issued from European address and valid US FDA approval and documentary evidence to that effect shall be uploaded
11.	C-3)- Rest of the accessories should have valid CE or USFDA approval. Documentary	Rest of the accessories should have	The following accessories viz.

	evidence to that effect shall be submitted in packet B. Bidders are requested to go through the European CE and US FDA policy document for submission of CE and US FDA approvals as mentioned elsewhere in tender document.	valid CE or USFDA or CDSCO or ISO certified or BIS approval. Documentary evidence to that effect shall be submitted in packet B. Bidders are requested to go through the European CE and US FDA policy document for submission of CE and US FDA approvals as mentioned else wherein tender document.	anesthesia workstation with ventilator , patient monitor, dual head pressure injector, Dry Chemistry Imager shall be having valid CE and US FDA or CDSCO and ISO approval. Documentary evidence to that effect shall be submitted in packet B.
12.	UPS and Voltage Stabilizer: The system should be provided with an appropriate capacity UPS and Voltage Stabilizer system with batteries for the Main system and chiller with at least 30 minutes back up with another appropriate capacity (atleast 40 KVa) UPS and Voltage stabilizer with 30 mins backup for the other local supply items/equipment's.	UPS and Voltage Stabilizer : The system should be provided with an appropriate capacity UPS and Voltage Stabilizer system with batteries for the Main system and chiller with at least 30 minutes back up with another appropriate capacity (atleast 40 KVa) UPS and Voltage stabilizer with 30 mins backup for the other local supply items/equipment's.	UPS:The system should be provided with an appropriate capacity UPS with batteries for the Main system and chiller with at least 30 minutes back up with another appropriate capacity (atleast 40 KVa) UPS with 30 mins backup for the other local supply items/equipment's.
13.	17 -Site Modification work for 3000 Sq. ft area.	<p>The proposed layout with clear dimensions of all rooms and clear scope to be considered under turnkey work shall be provided along with the detailed specifications</p> <p>Clarity to be provided on the furniture or accessories required with clear nos. and sizes which are required to make the CT Scan department functional.</p> <p>Clarity is required on provision of the incoming power supply up to MRI technical room and DG location. Hospital shall provide</p>	Turnkey project reference BOQ is provided under Section 9: BOQ

		the required incoming power up to proposed MRI technical room and location for the DG installation.	
14.	To be added : Latest AI based reconstruction technique - Deep Resolve Pro/ AIR RECON DL/ Smart speed Premium for Brain, Spine, MSK & Body should be offered as standard.	Latest Deep Learning & AI based reconstruction algorithms will help to reduce scan time by upto 70% & improve image quality & resolution. This will be a huge benefit specially in high throughput BMC hospitals. We request to add for better specifications.	Added. 7(x):Latest Deep learning reconstruction technique- Deep Resolve/ smart speed/ AIR RECOND DL for Brain, Spine, MSK, Prostate and Body should be quoted as standard for 2D, 3D diffusion correction in raw data space
15.	Following documents are required at the time of shipment of consignment in case of supply of indigenous as well as imported equipment and same shall be mentioned in the L.C.:- i) Third party inspection report ii) Packing List:- iii) Country of Origin Certificate (For foreign manufacturer) iv) Insurance Certificate v) Original Invoice vi) Bill of lading / Airway bill vii) Bill of entry	Following documents are required at the time of shipment of consignment in case of supply of indigenous as well as imported equipment and same shall be mentioned in the L.C.:- i) Third party inspection report ii) Packing List:- iii) Country of Origin Certificate (For foreign manufacturer) iv) Insurance Certificate v) Original Invoice vi) Bill of lading / Airway bill vii) Bill of entry	Following documents are required at the time of shipment of consignment in case of supply of indigenous as well as imported equipment and same shall be mentioned in the L.C.:- i) Third party inspection report ii) Packing List:- iii) Country of Origin Certificate (For foreign manufacturer) iv) Insurance Certificate v) Original Invoice vi) Bill of lading / Airway bill vii) Bill of entry
16.	Section 6 : clause 12: Bill of entry: It shall be issued by Custom authority of India indicating Invoice number and date of manufacturer, name and model of the equipment, quantity, country of origin, Consignee details. This document shall be obtained by user department from Custom Clearing Agent.	Bill of entry: It shall be issued by Custom authority of India indicating Invoice number and date, of manufacturer, name and model of the equipment, quantity, country of origin, Consignee details. This document shall be obtained by user department from Custom Clearing Agent. Hence,	Delete

		this is not part of Foreign LC documentation.	
17.	<p>Section 6: Clause 22 (i)</p> <p>Particular furnished by tenderer are found materially incorrect or misleading, such tender shall be rejected and their EMD shall be forfeited and shall be liable for further action like black-listing etc. Any change occurring within their institute like change in name of firm, change of partner, change in the constitution, change in brand name of the product, merger with any other institutions, contract work, if any, allotted to another firm, any freshly initiated court case should be promptly intimated to the MCGM. If the tenderer fails to submit such information during the tenure of the contract, that shall invite legal action and black-listing as well.</p>	<p>Particular furnished by tenderer are found materially incorrect or misleading are found to be willfully false or fraudulent with intent to mislead , such tender shall be rejected and their EMD shall be forfeited and shall be liable for further action like black listing etc. Any change occurring within their institute like change in name of firm, change of partner, change in the constitution, change in brand name of the product, merger with any other institutions, contract work, if any, allotted to another firm, any freshly initiated court case should be promptly intimated to the MCGM. If the tenderer fails to submit such information during the tenure of the contract, that shall invite legal action and black listing as well.</p>	<p>Tender prevails</p> <p>Condition</p>
18.	<p>Section 6: Clause 16-Penalty-</p> <p>To recover from contractor as agreed, the liquidated damages or by way of penalty half percent of the price of the equipment which the contractors has failed to deliver, install, commission as aforesaid per week or part thereof during which the delivery, installation, commissioning of such equipment may be in arrears subject to maximum limit @ 10% of the balance amount of the stipulated price of the equipment undelivered. Such penalty is to be deducted always</p>	<p>To recover from contractor as agreed, the liquidated damages or by way of penalty half percent of the price of the equipment which the contractors has failed to deliver, install, commission as aforesaid per week or part thereof during which the delivery, installation, commissioning of such equipment may be in arrears subject to maximum limit @ 5% of the balance amount of</p>	<p>Tender prevails</p> <p>Condition</p>

	by the consignee from the contractors balance bill, B.G. or EMD or any money due to the contractor from BMC. OR To cancel the contract and orders and forfeiture of EMD, contract Deposit and blacklisting the firm/company along with their partners/ directors.	the stipulated price of the equipment undelivered. Such penalty is to be deducted always by the consignee from the contractors balance bill, B.G. or EMD or any money due to the contractor from BMC. OR To cancel the contract and orders and forfeiture of EMD, contract Deposit and blacklisting the firm/company along with their partners/ directors	
19.	Section 6: Clause 30- The contract entrusted to the successful tenderer shall be subject to “Force Majeure Clause” as per Section 56 of Indian Contract Act restricting to the case of natural calamity such as earthquake, storm floods or rising of war by any country	The contract entrusted to the successful tenderer shall be subject to “Force Majeure Clause” as per Section 56 of Indian Contract Act restricting to the case of natural calamity such as earthquake, storm floods or rising of war by any country. Further, Force Majeure shall include any other causes beyond reasonable control during the delivery period such as epidemics, pandemics or any acts of God, quarantine restrictions, strikes, lockout, breakdowns, accidents, governmental decree, impossibility or difficulty of obtaining supplies of raw material, restrictions in power supply, power cuts, stoppage of railways or other carriers and/ or causes beyond one’s control.	Tender prevails Condition
20.	Section 7: clause 14 : Delivery, Installation & Commissioning:- The tenderer should give free delivery, at BMC Hospital, within 90 days from the date of	Delivery, Installation & Commissioning:- The tenderer should give free delivery, at BMC Hospital, within 120	Delivery, Installation & Commissioning:- The tenderer should give free delivery, at BMC Hospital, within 120

	placing of purchase order. In case of import purchase, delivery of Equipment to concerned hospitals must be made within 90 days from the opening of Letter of Credit by coordinating with clearing agent appointed by BMC. Installation & commissioning shall be done within 30 days from delivery of the equipment/machine	days from the date of placing of purchase order. In case of import purchase, delivery of Equipment to concerned hospitals must be made within 120 days from the opening of Letter of Credit by coordinating with clearing agent appointed by BMC/ Site Handover , Power Availability , regulatory approvals if any ,whichever is later . Installation & commissioning shall be done within 60 days from delivery of the equipment/machine	days from the date of placing of purchase order. In case of import purchase, delivery of Equipment to concerned hospitals must be made within 90 days from the opening of Letter of Credit by coordinating with clearing agent appointed by BMC. Installation & commissioning shall be done within 60 days from delivery of the equipment/machine
21.	Section 7: clause 27-B-(1) In case of imported medical equipments: Payment will be made in the name of Principle Manufacturer by opening Letter of credit (L.C.). L.C. will be opened for 100 % CIF cost. However 80% payment will be released at sight only after satisfactory supply of equipment, submission of all documents for execution of contract and submission of all documents as mentioned at clause no. 11 (Documents required at the time of shipment of consignment) given elsewhere in tender document	In case of imported medical equipments: Payment will be made in the name of Principle Manufacturer by opening Letter of credit (L.C.). L.C. will be opened for 100 % CIF cost. However 80% payment will be released at sight on presentation of dispatch documents, submission of all documents for execution of contract and mentioned at clause no. 11 page 35(Documents required at the time of shipment of consignment) given elsewhere in tender document	Tender prevails Condition
22.	Section 7-Clause 14- The responsibility to produce correct and authenticate documents rests with the tenderer. If any document is detected to be forged, bogus etc., the tender shall be rejected and the tender deposit shall be	The responsibility to produce correct and authentic documents rests with the Tenderer. If any document is detected to be forged, bogus, or otherwise misleading, the tender	Tender prevails Condition

	<p>forfeited. Any contract entered under such conditions shall also be liable to be cancelled at any time during its currency and further penal action like criminal prosecution, blacklisting etc. against the said contractors and/or the partners shall be instituted. The Municipal Commissioner shall also be entitled to recover the damages/losses occurred if any from the contractors' dues</p>	<p>shall be rejected, and the tender deposit shall be forfeited. Any contract entered under such conditions shall be liable to be cancelled at any time during its currency. Further, penal actions such as criminal prosecution, blacklisting, or debarment may be instituted against the said Tenderer and/or its partners if convicted under the Prevention of Corruption Act, 1988 or relevant provisions of the Indian Penal Code (IPC), or if there is a breach of the Code of Integrity as outlined in the General Financial Rules, 2017. The Municipal Commissioner shall also be entitled to purchase the items from the open market at the risk and cost of the said Tenderer, and any resulting damages shall be recovered from the Tenderer's dues</p>	
23.	<p>Section 7: clause 37- Demonstration must be given within 7 days time from the date of receipt of letter from BMC if planned in India and within 15 days if abroad, otherwise liable for penalty/legal action like forfeiture of EMD, blacklisting</p>	<p>Demonstration must be given within 7 days time from the date of receipt of letter from BMC if planned in India and within 15 days if abroad, otherwise liable for penalty/legal action like forfeiture of EMD</p>	<p>Tender prevails Condition</p>
24.	<p>Section 7: clause 20 - The firm shall be black-listed, if it is found that:- ... iii) In case of non-supply of equipment / accessories or supply of substandard quality or supply of equipment / accessories found to have been previously used or having reconditioned parts.</p>	<p>The firm shall be black-listed, if it is found that:- ... iii) In case of non-supply of equipment / accessories or supply of substandard quality or</p>	<p>Tender prevails Condition</p>

		supply of equipment / accessories found to have been previously used or having reconditioned parts.	
25.	Section 7-Clause 17- Consequence of inferior supply:- If the equipment supplied is found of inferior quality or not as per specifications, the contractor shall replace the equipment within one month from the date of intimation at the cost & risk of the contractor and also liable to pay the fine imposed by the Municipal Commissioner, failing which Earnest Money Deposit & Contract Deposit of the contractor shall be forfeited & the tenderer shall be liable for penal action including black-listing etc. In addition to the forfeiture of the Earnest Money Deposit & Contract Deposit, if any fine is imposed by the Municipal Commissioner, the same shall be payable by the supplier immediately on demand, failing which the same shall be recovered from other dues to the contractor from the Municipal Corporation	Consequence of inferior supply:- If the equipment supplied is found of inferior quality or not as per specifications, the contractor shall replace the equipment within one Four month from the date of intimation at the cost & risk of the contractor and also liable to pay the fine imposed by the Municipal Commissioner, failing which Earnest Money Deposit & Contract Deposit of the contractor shall be forfeited & the tenderer shall be liable for penal action including black listing etc. In addition to the forfeiture of the Earnest Money Deposit & Contract Deposit, if any fine is imposed by the Municipal Commissioner, the same shall be payable by the supplier immediately on demand, failing which the same shall be recovered from other dues to the contractor from the Municipal Corporation	Tender Condition prevails
26.	Section 7-Clause 29- Consumables /Accessories / Instruments : (If applicable) For those bidders who are importing consumables/accessories/ spare parts during 3 years warranty and 7 years CMC, the LC will not be opened by BMC for the same and only cost of GST will paid at actual, no other duties	For those bidders who are importing consumables/accessories/ spare parts during 3 years warranty and 7 years CMC , the LC will not be opened by BMC for the same and only cost of GST will paid at	For those bidders who are importing consumables/accessories/ spare parts during 3 years warranty and 7 years CMC , the LC will not be opened by BMC for the same and only cost of GST will paid at

	will be paid by BMC on consumables/ accessories/ spare parts during 3 years warranty and 7 years CMC. h) The responsibility of supply, installation, testing and commissioning of medical equipments along with 3 years warranty and 5 years Comprehensive Maintenance Contract / Annual Maintenance Contract (As applicable) shall be of Manufacturer and Distributor /Dealer / Importer /Traders/ agent JOINTLY AS WELL AS SEVERALLY	actual, no other duties will be paid by BMC on consumables/ accessories/ spare parts during 3 years warranty and 7 years CMC. h) The responsibility of supply, installation, testing and commissioning of medical equipments along with 3 years warranty and 7 years Comprehensive Maintenance Contract / Annual Maintenance Contract (As applicable) shall be of Manufacturer and Distributor /Dealer / Importer /Traders/ agent JOINTLY AS WELL AS SEVERALLY	actual, no other duties will be paid by BMC on consumables/ accessories/ spare parts during 3 years warranty and 7 years CMC. h) The responsibility of supply, installation, testing and commissioning of medical equipments along with 3 years warranty and 7 years Comprehensive Maintenance Contract / Annual Maintenance Contract (As applicable) shall be of Manufacturer and Distributor /Dealer / Importer /Traders/ agent JOINTLY AS WELL AS SEVERALLY
27.	Section 7-Clause 25- The tenderer should assure an uptime guarantee of at least 96% (calculated on the basis of 24 hours a day and seven days a week). If this is not done, a penalty @ 1% per day of Contract Cost of equipment will be imposed	The tenderer should assure an uptime guarantee of at least 96% (calculated on the basis of 24 hours a day and seven days a week excluding preventive maintenance time). In the event Siemens fails to maintain the stipulated uptime then the warranty/CMC period may be extended twice the period the equipment is down.	Tender Condition prevails
28.	Section 7 –Clause 15- Training :- The successful tenderer shall have to give sufficient training at his cost to the staffs of the Hospital and Engineers of Medico Electronics Cell to operate the Medical Equipment. Also it shall be provided as and when required if asked by user department	Training is accepted as per Tender Clause 14, Page 68 (Technical Specifications): Advanced training shall be provided by the vendor at the site for Faculty, Residents,	This will be provided by user department at the time of execution

		Students, and Radiographers, to ensure optimal use of the latest applications available on the system. The training shall be conducted for a minimum period of 12 weeks, in a staggered manner	
29.	Clarification required: As per tender, 3000 Sq.ft area is to be modified under turnkey scope. Nair Hospital, LTMG Hospital and Copper Hospital has 3000 Sq.ft area. However, the area available in KEM Hospital is 2100 Sq.ft only, which is short by 900 Sq.ft and currently no additional area is available	Clarity is required on how to go about KEM Hospital? Should we go ahead and quote for 2100 Sq.ft area only or additional 900 Sq.ft area will be provided?	Necessary changes done in BOQ. Prospective bidders are requested to visit sites and quote value of turnkey work as a job. Approximate BOQ of turnkey works of all hospitals are provided for reference. Upload detailed scope of turnkey work in pdf format in financial bid hospitalwise
30.	Clarification required: There is an existing MRI machine at 3 out of 4 sites i.e., KEM Hospital, LTMG Hospital and Nair Hospital. Nothing is mentioned about removal of existing MRI machine..	Clarity is required on the clear scope about the dismantling, shifting and storing it within hospital premises or to be scrapped by vendor	
31.	Clarification required: BOQ is not Multiplying the QTY with Basic Rates keyed in the Excel File		Necessary changes done in BOQ
32.	Clarification required: BOQ is not adding up site Price and local supply pricing i.e. row number 1.02 ,1.03,1.04,1.05,1.06,1.07		
Suggestion / objections received from M/s SyntheticMR India Pvt. Ltd.			
33.	“Estimation of Myelin in the brain (US FDA approved for Clinical Usage). Calculation of brain volume(SyntheticMR or its equivalent)		Added 6-c)-(xvi): Estimation of Myelin in Brain (USA FDA approved for clinical use)
Suggestion / objections received from M/s Marrsis Disha			
34.	11(i)- Rechargeable Handheld metal detectors (2 Nos.)	Screeners for Implant Detection: Entirely passive , non invasive Screeners with fluxgate sensors for Implant detection. It should have minimum detection	Tender Condition prevails

		range of 0.8 micro Tesla to detect smallest implants.	
35.	11-(iii)- MR compatible Patient monitor and MR compatible Syringe Infusion pump. (2 Syringe Infusion Volumes) (Annexure A1)	MR compatible 1 syringe pump . Should not use proprietary consumables & Should be supplied with 500 per patient consumables	MR compatible Patient monitor (Annexure A1) + 1 no. MRI compatible Syringe pump
36.	11-(iii)- High Standard Ferro Guard should be installed at entrance of MR room to detect/alert ferromagnetic articles	Ferromagnetic object detector Walk with multiple fluxgate sensor to help detect approaching ferromagnetic hazards and with door ignore function to be installed at entry door of MRI Scanner Room (Zone III type) - 01 no. Must have continuous detection or alert capability following MRI door opening, or following preceding alert. Must have continuous Audio and Video recording for root cause analysis.	Screener for implant detection. Minimum detection range of 0.8 micro Tesla
37.	11-(v) – MR compatible anaesthesia machine (Specifications are mentioned separately: Annexure A)	MRI Compatible (Upto 3 Tesla) Anaesthesia Machine with at least 12 inch screen and integrated electronic ventilator & remote monitor in console room. Should have Tidal Volume (VT) 3- 1500ml to be able to do all patient types including neonates	Tender Condition prevails
38.	11-(xiii)- MR compatible patient trolley (to transfer patient to the magnet table) with both vertical and horizontal movement with hydraulic operation and should take a minimum load of 150 Kg	MR Safe/Ferrous free wheel chair should be supplied which do not alarm in a ferromagnetic detector	MR compatible ferrous free patient trolley (to transfer patient to the magnet table) with both vertical and horizontal

	in both vertical and horizontal motion (Model: Adjustable Height Trolley: MR5501 of Wardray Premise Ltd. U.K or Adjustable Height Trolley, Femo, UK or equivalent) - 2 no.		movement with hydraulic operation and should take a minimum load of 150 Kg in both vertical and horizontal motion (Model: Adjustable Height Trolley: MR5501 of Wardray Premise Ltd. U.K or Adjustable Height Trolley, Femo, UK or equivalent) - 2 no
39.	11-(xiv)- MR compatible wheelchair (Wardray/equivalent model) (with cushion, backrest and anti-rest) - 2 no.	MR Safe/Ferrous free wheel chair should be supplied which do not alarm in a ferromagnetic detector	MR compatible ferrous free wheelchair (Wardray/equivalent model) (with cushion, backrest and anti-rest) - 2 no
40.	13-(xx)- MRI compatible pulse oximeter	MRI compatible wireless pulse oximeter for neonatal, paediatric & adult patient types.	To be read as T.S. no. 13-(xix) : MRI compatible wireless (Neonate, children and adult) pulse oximeter – 1 No.

Sd/-15.05.2025
Ex. Eng. (M&E)CPD

Sd/-15.05.2025
Dy.Ch..Eng. (CPD)

Sd/-15.05.2025
C.A. (CPD)

Sd/-15.05.2025
DMC(PH)

Sd/-15.05.2025
DMC(CPD)

(Please scroll down for Amendment, SECTION 9 and reference BOQ of turn key work)

BRIHANMUMBAI MUNICIPAL CORPORATION**CENTRAL PURCHASE DEPARTMENT****e- PROCUREMENT**

566, N. M. JOSHI MARG, BYCULLA, MUMBAI -400 011.

No.CPD/Dy. Ch. Eng./Advt./10 /TDR /AE-5 Dated 15.05.2025

AMENDMENT-1

Refer to earlier Tender Notice published under No.PRO/230 /ADV/2025-26 dated 24.04.2025 for Mahatender Ref. No.2025_MCGM_1173632_1 for Supply, Installation, Testing and Commissioning of 3 Tesla 64 Channel MRI Machine (04 Nos.) along with Standard Accessories with 3 years Warranty and 7 years CMC for Radiology department of various BMC Hospitals. **Tenderer are requested to note the following amendment.**

T.S.	Technical specifications	Amendment
1-h)- (iv)	Second order /High order shimming should be standard	Active Second order / Active High order shimming should be standard
4-e)-(xi)	Dedicated foot/ankle coil, minimum 16channel or more	Dedicated foot/ankle coil, minimum 8 channel or more or highest available with manufacturer
5-B)	SERVER SYSTEM: (A Client - Server Architecture based solution, Minimum 40,000 concurrent slices, 2 no. floating /concurrent user license for all applications including advanced applications.	SERVER SYSTEM: (A Client - Server Architecture based solution, Minimum 40,000 concurrent slices, 2 no. floating /concurrent user license for higher applications including advanced applications
	Server Hardware: The server (single/dual configuration) should have image storage capacity of at least 2.5 Tera bytes, minimum 20,000 concurrent slice processing power and at least 64GB RAM and 2.5 GhzCPU. 21" or more TFT/LCD monitor.	Server Hardware: The server (single/dual configuration) should have image storage capacity of at least 2.5 Tera-bytes 5 TB , minimum 20,000 40,000 concurrent slice processing power and at least 64 GB 192GB RAM and 2.5 GhzCPU. 21" or more TFT/LCD monitor.
6-b)-(i)	All standard and special pulse sequences available at the time of quote/ delivery should be offered and quoted in the bid. If the vendor does not have any particular sequence/s but offers a work in progress (WIP) sequence/s, then it should be provided without any pre-condition like asking the Institute to sign any agreement for this purpose. This also applies to any post - processing software that is offered which is	All standard and special pulse sequences available at the time of quote/ delivery and lifecycle of machine should be offered and quoted in the bid. If the vendor does not have any particular sequence/s but offers a work in progress (WIP) sequence/s, then it should be provided asking the Institute to sign research agreement for this purpose. This also applies to any post - processing software that is offered which is WIP.

	WIP.	
6-c)-(xii)	T2 Relaxometry and volumetry for Hippocampus- Fully automated volumetric software like neuro quant/ morphometry to be provided.	T2 Relaxometry and volumetry for Hippocampus
6-c)-(xvi)	Added	Estimation of Myelin in Brain (USA FDA approved for clinical use)
6-e)-(i)	Sequence package for diffusion including DTI (tractography) study in organs like brain, kidney, muscle, heart, spine, breast, etc.	Sequence package for diffusion study in organs like brain, kidney, muscle, heart, spine, breast, etc. DTI (tractography) in Brain and Spinal cord/ spine
7-(x)	Added- Advanced acceleration	Latest Deep learning based reconstruction technique- Deep Resolve/ smartspeed/ AIR RECOND DL for Brain, Spine, MSK, Prostate and Body should be quoted as standard for 2D, 3D diffusion correction in raw data space
11-(ii)	Walk through Metal detector with multiple sensor and multiple location LED (Zone III type) - 01 no	Walk through Metal detector with multiple sensor and multiple location LED (Zone III type) - 01 no Ferromagnetic object detector walkthrough with multiple FLUX GATE SENSOR to help detect approaching ferromagnetic hazards and with door ignore function
11-(iii)	MR compatible Patient monitor and MR compatible Syringe Infusion pump. (2 Syringe Infusion Volumes) (Annexure A1)	MR compatible Patient monitor (Annexure A1) + 1 no. MRI compatible Syringe pump
11-(iii)	High Standard Ferro Guard should be installed at entrance of MR room to detect/alert ferromagnetic articles.	Screener for implant detection. Minimum detection range of 0.8 micro Tesla
11-(xiii)	MR compatible patient trolley (to transfer patient to the magnet table) with both vertical and horizontal movement with hydraulic operation and should take a minimum load of 150 Kg in both vertical and horizontal motion (Model: Adjustable Height Trolley: MR5501 of Wardray Premise Ltd. U.K or Adjustable Height Trolley, Femo, UK or equivalent) - 2 no.	MR compatible ferrous free patient trolley (to transfer patient to the magnet table) with both vertical and horizontal movement with hydraulic operation and should take a minimum load of 150 Kg in both vertical and horizontal motion (Model: Adjustable Height Trolley: MR5501 of Wardray Premise Ltd. U.K or Adjustable Height Trolley, Femo, UK or equivalent) - 2 no.
11-(xiv)	MR compatible wheelchair (Wardray/equivalent model) (with cushion, backrest and anti-rest) - 2 no.	MR compatible ferrous free wheelchair (Wardray/equivalent model) (with cushion, backrest and anti-rest) - 2 no.
12-(i)	All the Servers and Workstations in	All the Servers and Workstations in the

	the network (MRI console, additional workstation, PACS workstation, fMRI workstation, etc.) that is supplied by the vendor should be provided with antivirus software (periodically updated) for the entire life of the system	network (MRI console, additional workstation, PACS workstation , fMRI workstation, etc.) that is supplied by the vendor should be provided with antivirus software (periodically updated) for the entire life of the system
13-(viii)	Two high quality LED projector for conference room of reputed brand like Sony or equivalent.	One high quality LED projector for conference room of reputed brand like Sony or equivalent.
13-(ix)	Four Laptops with latest operating system (specifications to be discussed with department of Radiology) for viewing the images, reporting and making teaching presentations.	Two Laptops with latest operating system (specifications to be discussed with department of Radiology) for viewing the images, reporting and making teaching presentations.
13-(xi)	Dry chemistry camera DICOM compatible of DPI 500 or more of any reputed make. Three active film trays including one for 14" x 17" films. 500 nos of 14 x 17 inches size films to be provided. The Dry Chemistry camera should be of a make whose films are available on rate contract/ schedule of MCGM.	Dry chemistry camera DICOM compatible of DPI 500 or more of any reputed make. Two/ Three active film trays including one for 14" x 17" films. 500 nos of 14 x 17 inches size films to be provided. The Dry Chemistry camera should be of a make whose films are available on rate contract/ schedule of MCGM. Make- AGFA/ KONICA as per institute
13-(xviii)	MRI Compatible ECG electrodes (100 Nos., Disposable Electrodes for MRI Image gating)	Typographical mistake. Repeated T.S. no. 13-(xiii) Delete
13-(xx)	MRI compatible pulse oximeter – 1 No.	To be read as T.S. no. 13-(xix) : MRI compatible wireless (Neonate, children and adult) pulse oximeter – 1 No.
13-(xxi)	Dictation software – Dragon Medical Pro / Augnito with 5 licenses for the entire period of use of MRI machine	To be read as T.S. no. 13-(xx) : Dictation software – Dragon Medical Pro / Augnito with 5 7 licenses for the entire period of use of MRI machine
14	Advanced training to be provided by the vendor at the site for Faculty, Residents, students and Radiographers, so as to Benefit the latest applications available on the system. The Training should be minimum period of 12 weeks, staggered.	Advanced training to be provided by the vendor at the site for Faculty, Residents, students and Radiographers, so as to Benefit the latest applications available on the system. The Training should be minimum period of 12 weeks, staggered + Training in MRI safety once in 6 month during warranty period
	WARRANTY PERIOD	
	1. The warranty period of the 3T MRI	1. The warranty period of the 3T MRI

	<p>system should be 3 years and commences from the date of handing over (from the date of issue of Inspection Note) of the fully functional unit. All coils and the accessories supplied (such as UPS including batteries replacement as when required, AC, Generator etc.) including third party items such as MR compatible infusion pump, patient monitor with probes, MR compatible anesthesia machine should be under warranty against Manufacturing defects of material and workmanship. The Helium Supply and cold head repairs (including replacement, if needed) should be included in the warranty period.</p>	<p>system should be 3 years and commences from the date of handing over (from the date of issue of Inspection Note) of the fully functional unit. All coils and the accessories supplied (such as UPS including batteries replacement as when required, AC, Generator etc.) including third party items such as MR compatible infusion pump, patient monitor with probes, MR compatible anesthesia machine should be under warranty against Manufacturing defects of material and workmanship. The Helium Supply and cold head repairs (including replacement, if needed) should be included in the warranty period.</p>
	<p>POST GUARANTEE ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT (CMC):</p> <p>The post- warranty (after 3 years) CMC should be comprehensive and should include helium and cold head (repair and / or replacement) + labour + spares for the complete system which includes all the accessories supplied such as UPS, Generator, AC, etc. (including all consumables like batteries for UPS, and maintenance for another 5 years after expiry of the warranty.</p>	<p>POST GUARANTEE ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT (CMC):</p> <p>The post- warranty (after 3 years) CMC should be comprehensive and should include helium and cold head (repair and / or replacement) + labour + spares for the complete system which includes all the accessories supplied such as UPS, Generator, AC, etc. (including all consumables like batteries for UPS, and maintenance for another 5 7 years after expiry of the warranty.</p>
17	SITE MODIFICATION WORK - 3 T MRI SYSTEM – for 3000 square feet area	SITE MODIFICATION WORK - 3 T MRI SYSTEM – as a job as per institute turnkey. BOQ of turnkey work is provided for reference
18	Added	Old MRI dismantling and transport to storage area for KEM, LTMG and BYL Nair should be included in turnkey work
	<p>ANNEXURE A1</p> <p><u>MRI COMPATIBLE ANAESTHESIA MACHINE SPECIFICATIONS (Drager/ Damaica /Penlon/ GE or equivalent)</u></p>	<p><u>MRI COMPATIBLE ANAESTHESIA MACHINE SPECIFICATIONS (Drager/ Damaica /Penlon/ GE- Penlon/ Leon or equivalent)</u></p>
Ventilator-6)	Tidal Volume (VT) 20-1500ml. (Volume Control). Rate at least 4-80	Tidal Volume (VT) 20 3ml -1500ml. (Volume Control). Rate at least 4-80

	BPM.	BPM.
Section 7: clause 14	Delivery, Installation & Commissioning:- The tenderer should give free delivery, at BMC Hospital, within 90 days from the date of placing of purchase order. In case of import purchase, delivery of Equipment to concerned hospitals must be made within 90 days from the opening of Letter of Credit by coordinating with clearing agent appointed by BMC. Installation & commissioning shall be done within 30 days from delivery of the equipment/machine	Delivery, Installation & Commissioning:- The tenderer should give free delivery, at BMC Hospital, within 120 days from the date of placing of purchase order. In case of import purchase, delivery of Equipment to concerned hospitals must be made within 90 days from the opening of Letter of Credit by coordinating with clearing agent appointed by BMC. Installation & commissioning shall be done within 60 days from delivery of the equipment/machine
GENERAL CONDITION:C- 1)	The quoted CT Scan equipment shall have CE mark from European Conformity (EC) notified bodies issued from European address and valid US FDA approval and documentary evidence to that effect shall be uploaded.	The quoted CT MRI Scan equipment shall have CE mark from European Conformity (EC) notified bodies issued from European address and valid US FDA approval and documentary evidence to that effect shall be uploaded
GENERAL CONDITION:C- 3)	Rest of the accessories should have valid CE or USFDA approval. Documentary evidence to that effect shall be submitted in packet B.	Rest of the accessories should have valid CE or USFDA or CDSCO and ISO approval. Documentary evidence to that effect shall be submitted in packet B.
GENERAL CONDITION:D	The successful bidder has to ensure that all the required spares and services are available during the period of CMC and 2 years after the contract period of eight years.	The successful bidder has to ensure that all the required spares and services are available during the period of CMC and 2 years after the contract period of eight Ten years if possible in best effort basis.

All others contents of the tender enquiry including terms and conditions remain unaltered.

Note:- Prospective Bidders are also advised to check the website regularly prior to the closing date and time of online submission of bids.

By Order of the
Municipal Commissioner
Brihanmumbai Municipal Corporation
Sd/-15.05.2025
Dy. Chief Engineer
Central Purchase Department

REVISED SECTION 9 : BILL OF QUANTITY/ ITEM DATA			
Item no.	Description of the item	Quoted Currency	Quantity
Item “A”	Import Supply:- SITC of 3 Tesla MRI Machine along with standard accessories with 3 years warranty period as per tender specifications		04 Nos.
	Local Supply:- SITC of 3 Tesla MRI Machine along with standard accessories with 3 years warranty period as per tender specifications		04 Nos.
Item “B”	Import Supply:- SITC of Local Accessories as per tender specifications		04 Nos.
	Local Supply:- SITC of Local Accessories as per tender specifications		04 Nos.
Item”C”	Turnkey work of KEM hospital		1 Job
	Turnkey work of LTMG Hospital		1Job
	Turnkey work of BYL Nair Hospital		1 Job
	Turnkey work of R. N. Cooper Hospital		1 Job
	<p>1. Price should NOT be quoted here</p> <p>2. Bidder shall visit all sites and quote rate of turnkey work (including electrical, civil, plumbing and air conditioning) hospital wise as a job work. The detailed BOQ for quoted rate should be uploaded in financial packet. BOQ for reference is provided. It is advisable to consider BMC approved makes for material to be used for electrical as well as civil turnkey work. You can get the details of approved make on एकीकृत दरसूची -MyBMC - Welcome to BMC's Website</p> <p>3. Bidder shall carry out CMC for 7 years after the completion of warranty period of 3 years.</p>		