

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>		