BRIHANMUMBAI MUNICIPAL CORPORATION
CENTRAL PURCHASE DEPARTMENT
566, N.M.JOSHI MARG, BYCULLA (WEST), MUMBAI – 400 011

TENDER DOCUMENT FOR

"Supply, Installation, Testing and Commissioning of 3 Tesla 64 Channel MRI Machine (04 Nos.) with standard accessories with 3 years warrantee and 7 years CMC for use of Radiology department of various BMC Hospitals"

Website : https://mahatenders.gov.in

e-Tender ID-2025_MCGM_1173632_11173632_1

Office of

Dy.Ch.E.(M&E) C.P.D.,

566, N.M.Joshi Marg,

Byculla (West), Mumbai – 400 011

THIS TENDER DOCUMENT CONSISTS OF:

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SECTION 1 : E-TENDER NOTICE

BRIHANMUMBAI MUNICIPAL CORPORATION
CENTRAL PURCHASE DEPARTMENT
566, N.M. JOSHI MARG, BYCULLA (WEST) MUMBAI - 400 011.

e- PROCUREMENT TENDER NOTICE

No. Dy. Ch. Eng./CPD/ 10 /TDR/AE-05 of 2025-26 Dated 25.04.2025
e-Tender ID-2025_MCGM_1173632_1

The Commissioner of Brihanmumbai Municipal Corporation invites the following online tender. The tender copy can be downloaded from BMC's portal (http://www.mcgm.gov.in) under "Tenders" section. However, the bid will be invited through Mahatender portal (https://mahatenders.gov.in) only.

Bidders who wish to participate in the Bidding process must register on the website http://www.mahatenders.gov.in/nicgep/app. Bidders, whose registration is valid, may please ignore this step. At the time of enrolment, the information required for enrolment should be filled. After enrolment the bidder will get his user name and password to his Mail Id.
Bidders should have valid Class III Digital Signature Certificate (DSC) obtained from any licensed Certifying Authorities (CA). For registration, enrolment for digital signature certificates and user manual, Interested Bidders should follow the respective links provided in Mahatenders Portal (https://mahatenders.gov.in)

All interested vendors, are required to be registered with BMC .Vendors not registered with BMC before can apply online by clicking the link 'Vendor Registration' under the 'e-Procurement' section of BMC Portal, Vendors already registered with BMC need to contact helpdesk to extend their vendor registration.

The administrative, technical and commercial bids shall be submitted online up to the end date & time mentioned below.

Sr. No	Description	Tender Fee (₹)	EMD (₹)	Bid submission start date and Time	Bid submission End Date and Time
1.	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.	₹30,250/- + ₹5,445/- (18% GST) = ₹35,695/-	20,00,000/-	09.05.2025	23.05.2025

The pre-bid meeting will be held **on 05.05.2025 at 3:00 pm** venue of the same is at Conference Hall near A.M.C.'s office, 2nd floor, Municipal Head Office Annex Building, Municipal Sabhagruh Marg, Mumbai-400 001.

Earnest Money Deposit (EMD) shall be paid on line through payment gateway on or before due date and time prescribed.

The Authority (BMC) shall not be liable for any omission, mistake or error in respect of any of the above or on account of any matter or thing arising out of or concerning or relating to the tender or the Bidding Process, including any error or mistake therein or in any information or data given by the Authority.

The Municipal Commissioner reserves the right to reject all or any of the e-Tender(s) without assigning any reason at any stage.

Bidders shall note that any corrigendum issued regarding this tender notice/tender will be published on the BMC portal and Mahatender portal only. No corrigendum will be published in the local newspapers.

By Order of the
Municipal commissioner
Brihanmumbai Municipal Corporation

Sd/-
Dy. Chief Engineer (C.P.D.)

Address for Communication and Venue for opening of bid :
Office of Dy.Ch. E.(C.P.D.)
566, N.M.JOSHI MARG, BYCULLA (W),
MUMBAI – 400 011.
Tel. No. 022-23083161 extn 207
e-mail:- ae05.cpd@mcgm.gov.in
For detailed tender document please scroll down

SECTION 2: HEADER DATA	
E-Tender No.	Dy.Ch.E./CPD/ 10 /TDR/AE-05 of 2025-26
Name of Organization	Brihanmumbai Municipal Corporation
Subject	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.
Contract period	10 Years [3 years warrantee+ 7 Years CMC]
Tender fee of E-Tender	Rs30,250/-+ Rs.5,445 (GST 18%)= Rs.35,695/- (Pay online requisite tender fee on Mahatender Portal)
Earnest Money Deposit	Rs.20,00,000/-
Bid Publishing date	**25.04.2025 Upto 15.00 Hrs**
Pre Bid Meeting	**05.05.2025 Upto 15.00 Hrs** **Venue-** Conference Hall near A.M.C.'s office, 2nd floor, Municipal Head Office Annex Building, Municipal Sabhagruha Marg, Mumbai-400 001.
Start Date and Time of Bid submission	**09.05.2025 Upto 16.00 Hrs**
End date & time of Bid submission	**23.05.2025 Upto 16.00 Hrs**
Opening of Packet A	As mentioned in https://mahatenders.gov.in
Opening of Packet B	
Address for Communication	Office of: Dy.Ch.E.(M&E)CPD 566, N.M.Joshi Marg, Byculla (West), Mumbai – 400 011. Tel. No. 022-23083161 Ext 217/218
Venue for opening of bid	Same as above

SECTION 3: PREAMBLE

The Brihanmumbai Municipal Corporation invites Tenders from the manufacturer (Indian or Foreign)

Or

100% Indian subsidiary of foreign manufacturer duly registered in India / Subsidiary of principle Foreign Manufacturer duly registered in India / sister concern of Foreign manufacturer duly registered in India /Associate of Foreign manufacturer duly registered in India /joint venture of Foreign manufacturer duly registered in India / affiliate of Foreign manufacturer duly registered in India

Or

Distributor /Dealer / Importer /Traders/agent appointed directly by foreign manufacturer for the supply, installation, testing and commissioning of **3 Tesla 64 Channel MRI Machine (04 Nos.) for Radiology department of various BMC Hospitals.** as per the specification attached separately with this document and as per the terms and conditions as mentioned herein and as per the provisions of the M.M.C. Act, 1888 as amended till date.

SECTION 4 : INSTRUCTIONS TO VENDORS PARTICIPATING IN E-TENDERING FOR THE SUPPLY OF MEDICAL EQUIPMENT AND PLANTS AND MACHINERY TO BMC	
1.	The e-Tendering process of BMC is enabled through Mahatender portal (https://mahatenders.gov-.in). However, tender document can be downloaded from BMC's portal website under "Tenders" section or from Mahatender portal
2.	Bidder should do Online Enrolment in this Portal using the option Click Here to Enroll available in the Home Page. Then the Digital Signature enrollment has to be done with the e-token, after logging into the portal. The e-token may be obtained from one of the authorized Certifying Authorities.
3.	Bidder then logs into the portal giving user id / password chosen during enrollment. and follow the instructions given in the document 'Bidders manual kit – online bid submission – Three Cover Bid Submission New' which is available on e-tendering portal of Government of Maharashtra i.e. 'https://mahatenders.gov.in'
4.	The e-token that is registered should be used by the bidder and should not be misused by others.
5.	DSC once mapped to an account cannot be remapped to any other account. It can only be Inactivated.
6.	The Bidders can update well in advance, the documents such as certificates, purchase order details etc., under My Documents option and these can be selected as per tender requirements and then attached along with bid documents during bid submission. This will ensure lesser upload of bid documents.
7.	After downloading / getting the tender schedules, the Bidder should go through them carefully and then submit the documents as per the tender document; otherwise, the bid will be rejected.
8.	The BOQ template must not be modified/ replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for that tender. Bidders are allowed to enter the Bidder Name and Values only.
9.	If there are any clarifications, this may be obtained online through the e-Procurement Portal, or through the contact details given in the tender document. Bidder should take into account of the corrigendum published before submitting the bids online.
10.	Bidder, in advance, should prepare the bid documents to be submitted as indicated in the tender schedule and they should be in PDF/XLS/RAR/DWF formats. If there is more than one document, they can be clubbed together.
11.	Bidder should Pay EMD and other charges, where applicable, as per the instructions given in the Tender Notice and / or Tender Document.
12.	Download the tender documents from the Mahatender portal after paying online requisite tender fee
13.	The bidder reads the terms and conditions and accepts the same to proceed further to submit the bids.
14.	The bidder has to submit the tender document(s) online well in advance before the prescribed time to avoid any delay or problem during the bid submission process. Vendors trying to submit the bid at last moment just before due date and due time and failing to do so due to system problems at their end, internet problems, User Id locking problems etc. shall note that no complaints in this regard will be entertained. The Tender Inviting Authority (TIA) will not be held responsible for any sort of delay or the difficulties faced during the submission of bids online by the bid-

	ders due to local issues. So The bidders are requested to submit the bids through online e-Procurement system to the TIA well before the bid submission end date and time (as per Server System Clock).
15.	There is no limit on the size of the file uploaded at the server end. However, the upload is decided on the Memory available at the Client System as well as the Network bandwidth available at the client side at that point of time. In order to reduce the file size, bidders are suggested to scan the documents in 75-100 DPI so that the clarity is maintained and also the size of file also gets reduced. This will help in quick uploading even at very low bandwidth speeds.
16.	It is important to note that, the bidder has to Click on the Freeze Bid Button, to ensure that he/she completes the Bid Submission Process. Bids Which are not Frozen are considered as Incomplete/ Invalid bids and are not considered for evaluation purposes.
17.	The bidder may submit the bid documents online mode only, through mahatenders portal. Offline documents will not be handled through this system.
18.	At the time of freezing the bid, the e-Procurement system will give a successful bid updation message after uploading all the bid documents submitted and then a bid summary will be shown with the bid no, date & time of submission of the bid with all other relevant details. The documents submitted by the bidders will be digitally signed using the e-token of the bidder and then submitted.
19.	After the bid submission, the bid summary has to be printed and kept as an acknowledgement as a token of the submission of the bid. The bid summary will act as a proof of bid submission for a tender floated and will also act as an entry point to participate in the bid opening event.
20.	Successful bid submission from the system means, the bids as uploaded by the bidder is received and stored in the system. System does not certify for its correctness.
21.	It is the responsibility of the vendors to maintain their computers, which are used for submitting their bids, free of viruses, all types of malware etc. by installing appropriate anti-virus software and regularly updating the same with virus free signatures etc. Vendors should scan all the documents before uploading the same. if the documents could not be opened, due to virus, during tender opening, the bid is liable to be rejected.
22.	The time that is displayed from the server clock at the top of the tender Portal, will be valid for all actions of requesting bid submission, bid opening etc., in the e-Procurement portal. The Time followed in this portal is as per Indian Standard Time (IST) which is GMT+5:30. The bidders should adhere to this time during bid submission.
23.	All the data being entered by the bidders would be encrypted at the client end, and the software uses PKI encryption techniques to ensure the secrecy of the data. The data entered will not be viewable by unauthorized persons during bid submission and not viewable by any one until the time of bid opening. Overall, the submitted bid documents become readable only after the tender opening by the authorized individual.
24.	During transmission of bid document, the confidentiality of the bids is maintained since the data is transferred over secured Socket Layer(SSL) with 256 bit encryption technology. Data encryption of sensitive fields is also done.
25.	All the tender notices including e-Tender notices will be published under the ‘Tenders’ section of BMC Portal and on Mahatender portal.

26.	All interested vendors, are required to be registered with BMC. Vendors not registered with BMC before can apply on-line by clicking the link 'Vendor Registration' under the 'e-Procurement' section of BMC Portal, Vendors already registered with BMC need to contact helpdesk to extend their vendor registration.
27.	Manual offers sent by post/Fax or in person shall be considered as **invalid and rejected** summarily without any consideration
28.	As BMC has switched over to e-Tendering, if any references in this tender document are found as per manual bidding process like Packets A, B, C etc. may please be ignored. All documents that are required to be submitted as part of eligible & technical bid, need to be uploaded in the Packets provided for this purpose and commercial bid need to be filled online.
29.	Affixing of digital signature for the bid document while submitting the bid, shall be deemed to mean acceptance of the terms and conditions contained in the tender document as well as confirmation of the bid/bids offered by the vendor which shall include acceptance of special directions/terms and conditions if any, incorporated.
30.	The browser settings required for digitally signing the uploaded documents are provided under download section of Mahatender Portal. Site compatibility required for Mahatender portal has been provided under Site compatibility on Home Page of Mahatender Portal.
31.	The administrative, technical and commercial evaluation documents will be available for all the participating vendors after completion of the evaluation.
32.	Additional information can be availed by referring to FAQs under FAQ on Home Page of Mahatender Portal.
33.	For any help, in the e-Tendering process, can be availed by dialing help-desk number or Email support provided under contact us on Home Page of Mahatender Portal.

SPECIAL NOTE:

TENDERERS ARE REQUESTED TO GO THROUGH THE bid submission guidelines as given in Bidders manual kit – online bid submission – Three Cover Bid Submission New' on -tendering portal of Government of Maharashtra i.e. 'https://mahatenders.gov.in'

Bidders who wish to participate in the Bidding process must register on the website http:// www.mahatenders.gov.in/nicgep/app. Bidders, whose registration is valid, may please ignore this step. At the time enrolment, the information required for enrolment should be filled. After enrolment the bidder will get his user name and password to his Mail Id.

Bidders should have valid Class III Digital Signature Certificate (DSC) obtained from any licensed Certifying Authorities (CA). Interested Bidders should follow the "Manuals" available on Mahatender Portal (https://mahatenders.gov.in)

SECTION 5: FLOW OF ACTIVITIES OF TENDER	
1.	Issue of Tender notice in the newspapers and tender notice along with tender documents on BMC Portal& Mahatender Portal.
2.	Download the tender documents from the Tender section of Mahatender Portal
3	Bidders shall note that any corrigendum issued regarding this tender notice/tender will be published on the BMC portal and Mahatender portal only. No corrigendum will be published in the local newspapers.
4.	All the tender notices including e-Tender notices will be published under the 'Tenders' section of BMC Portal and on Mahatender Portal.
5.	All the information documents are published under the 'e-Procurement' section of BMC Portal.
6.	Earnest Money Deposit (EMD) shall be paid online through mahatender portal https://mahatenders.gov.in on or before due date and time prescribed.
7.	Download the tender documents from the Mahatender portal after paying online requisite tender fee
8.	As BMC has switched over to e-Tendering, if any references in this tender document are found as per manual bidding process like Packets A, B, C etc. may please be ignored. All documents that are required to be submitted as part of eligible & technical bid, need to be uploaded in the Packets provided for this purpose and the BOQ template should be uploaded after filling the relevant columns.
9.	Technical offer, i.e. Packet 'B' of only those bidders who are found to be responsive in the evaluation of administrative offer will be opened online.
10.	Commercial bids i.e. Packet 'C' of only those bidders who are found to be responsive in the evaluation of administrative & technical offers, as decided in tender committee meeting will be opened online. After finalized L1 bidder, it is necessary to give demonstration of quoted model by L1 bidder.
11.	Recommendations to higher authorities and Standing Committee for sanction to award the contract, as decided in tender committee meeting.
12.	After sanction of higher authorities or Standing Committee, issuance of the acceptance letter to successful bidder.
13.	Payment of Contract Deposit, Legal Charges within period of thirty days from the date of receipt of Acceptance Letter by successful bidder for execution of written contract with payment of requisite stamp duty.
14.	Supply of materials described in the specifications and as per terms & conditions.

SECTION 6: INSTRUCTIONS TO TENDERERS		
Before filling in the tender, tenderers are requested to go through the "General Instructions to Tenderers", the "Mandatory conditions", all "Annexures" and the "Articles of Agreement" very carefully, wherein the tender conditions and contract conditions are clearly mentioned.		
1.	**<u>Eligibility Criteria:</u>**	
	A)	Who can quote : A. Only direct manufacturer(Indian or foreigner) **or** B.100% Indian subsidiary of foreign manufacturer / subsidiary of Principle foreign manufacturer / sister concern of Foreign manufacturer /Associate of Foreign manufacturer / joint venture of Foreign manufacturer/ affiliate of Foreign manufacturer **(all duly registered in India)** would be allowed to participate in the tender or C. only foreign manufacturer will be allowed to appoint his distributor if he wishes to do so for complying with the order as per tender conditions and supply the equipment. Foreign manufacturer **and /or** the 100% Indian subsidiary of foreign manufacturer /subsidiary ofPrinciple foreign manufacturer /sister concern of Foreign manufacturer /Associate of Foreign manufacturer /joint venture of Foreign manufacturer/ affiliate of Foreign manufacturer (all duly registered in India) would be directly responsible for all the tender related issues including quality and quantity of supply of equipment. Foreign manufacturer **and /or** the 100% Indian subsidiary of foreign manufacturer /subsidiary of Principle foreign manufacturer /sister concern of Foreign manufacturer /Associate of Foreign manufacturer /joint venture of Foreign manufacturer/ affiliate of Foreign manufacturer (all duly registered in India) shall supply equipment and raise the bill directly. If the foreign Manufacturer came forward for specific tender and specific medical equipment and requested to allow their Distributor /Dealer / Importer /Traders/agent to submit tender on their behalf, Distributor /Dealer / Importer /Traders/agent will be allowed to participate in the tendering process subject to, 1. Manufacturer shall issue the certificate stating the date from which said distributor is their Distributor /Dealer / Importer /Traders/agent for the assigned tender. 2. Manufacturer along with Distributor /Dealer / Importer /Traders/agent has to enter in to "Tri-Party Agreement" (As per Annexure - 3-A) with Brihanmumbai Municipal

		Corporation. 3. 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 bidderjointly as well as severally. 4. Distributor /Dealer / Importer /Traders/agent should have NO previous transgressions occurred in the last 3 years and should declare so. (In Annexure-3-A) **Note :**100% Indian subsidiary of foreign manufacturer / subsidiary ofPrinciple foreign manufacturer /sister concern of Foreign manufacturer /Associate of Foreign manufacturer /joint venture of Foreign manufacturer/ affiliate of Foreign manufacturer (all duly registered in India) are not allowed to appoint any distributor/Dealer/Importer/Trader/Agent to participate in tender on behalf of them.
	B)	**Turnover :** The average annual turnover of the bidder during preceding three financial years shall be minimum **Rs. 69,10,00,000 /-** Evidence in the form of certificate issued by Auditor of firm/ Chartered Accountant shall be uploaded during the submission of the tender (PACKET-'A' Administrative).
	C)	**Experience :** The bidder/manufacturer shall have adequate experience of successful supply, installation, commissioning & repairs & maintenance of **3 Tesla 64 Channel MRI Machine** along with Standard Accessories with 3 years Warranty and 7 years CMC for Radiology department of various BMC Hospitals. during last five years from due date of the tender. Experience Certificate shall be uploaded during the submission of the tender (Annexure –10) Bidder/Manufacturer shall provide certified copies of the executed purchase orders along with completion certificates in support of the experience as provided in this clause without disclosing the rates. The tender shall be uploaded only by the tenderer with his own digital signature or authorized representative, in whose name the tender documents is downloaded. Authorization letter of authorized representative shall be uploaded in packet 'A'.
	D)	**Details of Litigation history.** **The Bidder shall disclose the litigation history in Annexure-13 to be submitted in Packet 'A'.** Tenderers are requested to go through Annexure no.13 i.e. Clause of litigation

		history and do needful. Litigation History must cover – Any action of blacklisting, debarring, banning, suspension, deregistration and cheating with BMC, State Govt. Central Govt. or any authority under state or central Govt. / Govt. organization initiated against the company, firm, directors, partners or authorized signatory shall be disclosed for last 5 years from the date of submission of Tender. Tenderer must disclose the litigation history for last 5 years from the date of submission of Tender about any action like show cause issued, blacklisting, debarring, banning, suspension, deregistration and cheating with BMC and BMC is party in the litigation against the company, firm directors, partners or authorized signatory for carrying out any work/ supply of medical devices for BMC by any authority of BMC and the orders passed by the competent authority or by any authority of BMC and the orders passed by the competent authority or by any court where BMC is a party. While taking decision on litigation history, the concerned DMC or Director, as may be the case, should consider the details submitted by Tenderer and take decision based on the gravity of the litigation and the adverse effect of the act of company, firm directors, partners or authorized signatory on the BMC works which can spoil the quality output and delivery of healthcare services or any work execution and within the timeframe. If there is no litigation history, the Tenderer shall specifically mention that there is no litigation history against him as per the clause of litigation history. Litigation History is applicable to the quoted products / product quality and supply related litigation & then depending upon the gravity of matter the decision will be taken accordingly. The Tenderer are not allowed to quote for the product(s) for which the Firm found guilty of malpractice, misconduct, or blacklisted / debarred either by any Department of Govt. of Maharashtra or by any local authority or Semi Government bodies and other State Government / Central Government's organization as on the date of submission of bid.
	E. A)	All tenderer must disclose the names of their partners, if any in the particular contract.	
		i.	Firms with common proprietor / partner or connected with one another either financially or as principal and agent or as master and servant or with proprietor / partner closely related to each other such as husband/wife, father/mother and son/daughter and brother /sister shall not tender separately under different names

			for the same contract.
		ii.	If it is found that firms as described in clause 1-E have tendered separately under different names for the same contract, all such tender (s) shall stand rejected and tender deposit of each such firm/establishment shall be forfeited. In addition such firms/establishment shall be liable, at the discretion of the Municipal Commissioner for further penal action including blacklisting.
		iii.	If it is found that closely related persons as in clause 1-E have submitted separate tenders/quotations under different names firms /establishment but with common address for such establishment/firms and /or in such establishment/firms though they have different addresses, are managed or governed by the same person / persons jointly or severally, such tenderers Shall be liable for action as in clause No 1-E(i) including similar action against the firms/ establishments concerned.
		iv.	Any tenderer failing to disclose information as indicated in E-I to iii, shall render him liable to have his EMD forfeited and the contract, if entered into, and cancelled at any time during its currency. Further it shall invite penal action including black listing against the Tenderer as well as related firm/establishments
2.	**<u>Amendment to tender documents:-</u>** Before deadline for uploading of tender offer, the BMC may modify any tender condition included in this tender document by issuing addendum/corrigendum/clarification and publish it in the news papers and/or on the portal of BMC. Such addendum/corrigendum/clarification so issued shall form part of the tender documents. All tenderers shall digitally sign such addendum/ corrigendum/clarification and upload it in Packet 'A'.		
3.	The tenderers are advised to physically apprise themselves with installation Conditions and working areas if required. They are advised to get sufficient acquaintance with the actual nature of installation if required, prevalent conditions and facilities available.		
4.	This tendering process is covered under Information Technology ACT & CYBER LAWS AS APPLICABLE.		
5.	The tenderer shall offer the best prices for the subject supply/work as per the present market rates and that the bidder should not have offered less prices for the subject supply/work to any other outside agencies including Govt./Semi Govt. agencies and within the BMC also. Further, the tenderer has to fill in the accompanying tender with full knowledge of the above liabilities and therefore they will not raise any objection or dispute in any manner relating to any action including forfeiture of deposit and blacklisting, for giving any information which is found to be incorrect and against the instructions and directions given in this behalf in this		

	tender. In the event, if it is revealed subsequently after the allotment of work/ contract to tenderer, that any information given by tenderer, in this tender is false or incorrect, he shall compensate the Brihanmumbai Municipal Corporation for any such losses or inconveniences caused to the Municipal Corporation, in any manner and will not resist any claim for such compensation on any ground whatsoever. Tenderer/tenderers shall agrees and undertake that he/they shall not claim in such case any amount, by way of damages or compensation for cancellation of the contract given to them or any work assigned to them if it is withdrawn by the Corporation." Affidavit shall be uploaded in this respect as per annexure **–3.**
6.	Bidder / his principle manufacturer shall not have been debarred/ black listed by BMC / Central Govt. / State Govt. / Public sector undertaking/any other Local body. If in future, it comes to the notice of BMC / if it is brought to the notice of BMC during the currency of this contract, that any disciplinary/penal action is taken against the bidder / principle manufacturer due to violation of terms and conditions of the tender allotted to Bidder / his principle manufacturer which amounts to cheating /depicting of malafide intention anywhere in BMC or either by any of central Govt. / state Govt. / Public sector undertaking/any other Local body, BMC will be at discretion to take appropriate action as it finds fit.
7.	**Tender Price-** Tender price is mentioned in tender notice and shall not be refundable.
8.	**Validity:-** The validity of the offer should be for at least 180 days from the date of the opening of the tender.
9.	**Payment of Earnest Money Deposit (E.M.D.):-** The tenderer shall have to pay EMD of **Rs. 20,00,000 /- online** only
10.	**Refund of E.M.D. :-** E.M.D. of bidder except successful bidder all other unsuccessful bidders' 100% EMD paid online will be refunded automatically. The bid security of successful bidder will be discharged when the bidder has signed the agreement and furnish the required Security Deposited as elaborated in standard bid document.
11.	**Acknowledging communications:-** Every communication from the Dy.Ch.E.(C.P.D.), Brihanmumbai Municipal Corporation to the tenderer should be acknowledged by the tenderer / quotationer / Supplier with the signature of authorized person and with official rubber stamp of the tenderer / quotationer / supplier.

12.	**Where and how to submit the tender:-** (Refer Section 4- Flow of activities of Tender &Section 5 : Instructions to Tenderer participating in e-Tendering) The e-Tendering process of BMC is enabled through Mahatender portal 'https://mahatenders.gov.in' The bid should be submitted online through website https://mahatenders.gov.in in three Packets system i.e. Administrative Bid (Packet A), Technical Bid (Packet B) & Commercial Bid (Packet C) along with EMD. All documents should be digitally uploaded. To prepare and submit the bid/offer online all tenderers are required to have e-token based DIGITAL SIGNATURE CERTIFICATE. The Digital signature certificate should be obtained from competent authority; However the e-tender website or helpline numbers may guide you for obtaining the same Deadline for submission of bid – as per schedule mentioned in tender notice.
13.	**Documents to be uploaded**: This complete 'Tender Document' shall be uploaded as a token of acceptance of all clauses / conditions / requirements / instructions contained in this tender document. Original scanned documents or self-attested photocopies of specified documents shall be scanned and uploaded.
14.	**Authentication for documents:-** The responsibility to produce correct authentication rests with the Tenderer. If any document detected to be forged, bogus etc., the tender shall be rejected and the tender deposit 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 against the said Tenderer and /or the partners. 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 the damages thereof shall be recovered from the Tenderer's dues.
15.	**Translation of certificates:-** If the certificate issued by any statutory authority is in language other than English, Hindi or Marathi, then a translated copy of certificate in one of the languages mentioned above and certified by the official translator shall have to be uploaded along with a copy of the original certificate.
16.	**Sign and seal:-** Affixing of digital signature while uploading/submission the bid shall be deemed to be signed by the bidder and mean acceptance of the terms, conditions and instructions contained in this tender document as well as confirmation of the bid/bids offered by the

	bidder which shall include acceptance of special directions/terms and conditions if any, incorporated.	
	i)	If a tender is submitted by a proprietary firm, it shall be digitally signed by the proprietor of the said firm or authorized representative only.
	ii)	If a tender is submitted by a partnership firm, it shall be digitally signed by person/partner holding the power of attorney on behalf of the said firm or authorised representative only.
	iii)	If a Limited Company/ Sansthas/Societies /Trust /Govt. Undertaking / Semi-Govt. Undertaking submits and uploads a tender, it shall be digitally signed by a person holding power of attorney or authorised representative only.
17.	**<u>Name of Partners:-</u>** All tenderers must disclose the names and addresses of their partners, if any, in the particular contract. Any tenderer failing to do so shall render him liable to have his EMD forfeited and the contract, if entered into, cancelled at any time during its currency. Further, it shall invite penal action including black-listing.	
18.	**<u>Power of Attorney (POA):</u>** Notarized Power of attorney shall be granted by 2 directors/Managing Director /All partners, as the case may be in presence of 2 witnesses on Stamp paper of Rs.500/-. Note –	
	(a)	The Registered Power of Attorney (if any) registered with Chief Accountant (B.M.C.) will be accepted.
	(b)	If all uploaded documents are signed by Proprietor or 2 directors/ Managing Director or All partners, as the case may be, POA is not required to be submitted.
	If Tender is awarded and Contract Documents are signed by POA Holder the POA is to be registered at the Office of Chief Accountant (B.M.C.)	
19.	**<u>Unconditional offer:-</u>** Tenderers shall quote a firm & unconditional offer. **<u>Conditional offers shall not be considered and shall be treated as non-responsive.</u>** Bonus/complimentary / discount offer given with condition will also be rejected. Bonus/complimentary / discount offer given without any condition will not be considered for evaluation of comparative assessment. The net price quoted will only be considered for determining the lowest bidder irrespective of unconditional Bonus/complimentary / discount offer.	
20.	**<u>Contradictory Clause in tender:-</u>** Tenders containing contradictory, onerous and vague stipulations and hedging conditions such as "subject to prior sale""offer subject to availability of stock""Order subject to confirmation at the time of order""Rates subject to market fluctuations" etc. will be rejected	

	outright.		
21.	**<u>Alternative clauses in tender:-</u>** No alteration or interpolation will be allowed to be made in any of the terms or conditions of the tender & contract and / or the specifications and /or in the schedule of quantities. If any such alteration or interpolation is made by the tenderer, his tender shall be rejected.		
22.	**<u>Rejection:-</u>** The tender may be considered incomplete, irregular, invalid and liable to be rejected If		
	a)	The tenderer stipulates own condition /conditions,	
	b)	Does not fill & sign the Tender Form incorporated in the Tender,	
	c)	Does not disclose the full name/names and Address / addresses of Proprietor / Partners / Directors in case of Proprietorship / Partnership/ Private Limited / Public Limited concern Firms, email ID for communication	
	d)	Tenderer is not eligible to participate in the bid as per laid down eligibility criteria;	
	e)	The Goods offered are not eligible as per the provision of the tender	
	f)	Does not submit valid documents listed in Packet 'A'& Packet 'B'.	
	g)	Non-submission or submission of illegible scanned copies of stipulated documents/ declarations.	
	h)	Stipulated validity period less than 180 days.	
	i)	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 BMC. If the tenderer fails to submit such information during the tenure of the contract, that shall invite legal action and black-listing as well.	
	j)	Even though the Tenderers meet the eligibility criteria, they are subject to be ineligible if they have:	
		1)	Made misleading or false representation in the forms, statements & attachments submitted in proof of the qualification requirements; and / or
		2)	Record for poor performance such as non-supply of allotted medicines, medicine consumable and medical devices etc not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc. in BMC.

23.	**<u>Quoted Currency:-</u>** 1. If the bidder is Indian manufacturer of equipment has to quote in **INR**. 2. If the bidder is foreign manufacturer of equipment then allowed to quote in **foreign currency only.** 3. If bidder is 100% Indian subsidiary of foreign manufacturer duly registered in India / Subsidiary of principle Foreign Manufacturer duly registered in India / sister concern of Foreign manufacturer duly registered in India /Associate of Foreign manufacturer duly registered in India /joint venture of Foreign manufacturer duly registered in India / affiliate of Foreign manufacturer duly registered in India then allowed to quote in **foreign or Indian currency.** If quoted in foreign currency then for import supply payment will be done directly to manufacturer of equipment. 4. If bidder is **Distributor/Dealer/Importer/trader/agent** appointed by foreign manufacturer then for import supply payment will be done directly to manufacturer of equipment only. **Such tenders cannot be quoted in INR.** **<u>Firm price</u>** The prices quoted shall be firm and no variation will be allowed on any account whatsoever.	
24.	**<u>Variation in rate:-</u>** Tenderers are requested to fill in the tender carefully after noting the items and its specifications. No variation in rates etc. shall be allowed on any grounds such as clerical mistake, misunderstanding etc. after the tender has been submitted.	
25.	**<u>Product Names:-</u>** The tenderer must state the brand name of the product, if any.	
26.	**<u>Technical specifications:</u>**	
	a.	The tenderer shall carefully read the Tender Copy (Section 8) to understand the technical specifications, quality requirements, packing, applicable standards, Acts & Rules including the Mandatory requirement for substantiation of their compliance without deviating from bid requirements. Details of the Product Offered should be duly filled in Annexure 5.
	b.	The tenderer shall mark and highlight all the documents as per tender copy in Annexure 8
27.	**<u>The Three Packet system:-</u>**	
	i.	The tenderer should upload tender in three Packets (Packets) system as below, so as to have fair, transparent and timely completion of tendering process. Tenderers are requested to submit all required documents specified under each packet while

		submitting tender itself.	
	ii.	All the documents should be strictly uploaded in P.D.F. format	
	iii.	If the tenderer has not uploaded all the required and necessary documents as prescribed in packet 'A' & 'B' at the time of Bid Submission then the tenderer shall submit the same online in Mahatender Portal within 7 days from the date of intimation from BMC.	
	iv.	If the information of shortfall documents asked by concerned BMC officer through Mahatender portal is not complied with, for such lapses within given period, BMC shall not be responsible and it will be treated as noncompliance of the shortfall from the tenderer end and his offer will be treated as non-responsive.	
	v.	The tenderer shall not disclose / quote the rate of the items in packet A / B (Bill of Entry, Purchase Orders). (Any price / Rupees / Amount should be masked). The document where price / Rupees / Amount are not masked will not be accepted and item will be considered Non Responsive.	
	vi.	The tenderer must scan and upload the currently valid documents including the due date and time of tender	
	vii.	All Annexure(s) shall be physically signed as per their respective conditions and uploaded.	
	viii.	All addendums /corrigendum shall be uploaded along with tender document	
	A)	**Administrative Bid (Packet A)** The following Documents shall be submitted in the Packet 'A':-	
		i.	Chartered Accountant's Certificate for turnover of the tenderer for preceding three financial years.
		ii.	Valid Bank Solvency Certificate for minimum of **Rs.15 Lakhs** issued by The Nationalised/Scheduled/Foreign Bank. The date of issue of such certificate shall not be more than 06 months prior to the date of submission of tender and the same shall be considered valid for 12 months from the date of issue.
		iii.	GST registration certificate (of Tenderer). GST registration certificate of Tenderer shall be uploaded.
		iv.	The '**PAN' documents** and photographs of the individuals, owners, Karta of Hindu Undivided Family, firms, Private Limited Companies, Registered Co- operative Societies, Partners of Partnership firm and at least two directors, if number of directors are more than two in case of Private Ltd. Companies as the case may be. However PAN Documents will not be insisted in case of Public Limited Companies, Semi Government

			undertaking, Government undertaking .
		v.	Certified copy of latest partnership deed in case tenderer is a partnership firm. Partnership deed must be registered in the office of Chief Accountant, B.M.C. Head Office before Execution of Contract.
		vi.	Firm/Company/Sanstha Registration Certificate e.g. Certification of Incorporation / Articles of Association / Memorandum of Association etc.
		vii.	List of all Directors/Partners with complete residential & Business address, Telephone No. Mobile No. & E-Mail id, along with their Signature on letter head of the tenderer.
		viii.	**Power of Attorney** If tender is signed by a person holding power of attorney. The Postal Address of Residence, Business along with Telephone Number, Mobile Number & E-mail ID shall be furnished.
		ix.	Registration Certificate under ESIC Act 1948 if 10 or more workers are on the establishment of Tenderer. OR Declaration in Annexure 3 on Rs.500/- stamp paper if registration under ESIC Act is not applicable.
		x.	Registration Certificate under EPF & M Act 1952 if 20 or more workers are on the establishment of Tenderer. OR Declaration in Annexure 3 on Rs. 500/- stamp paper if registration under EPF & M Act 1952 is not applicable.
		xi.	Annexure 1: Particulars about the Tenderer on Letter Head of the Tenderer. Valid and correct e-mail ID of the tenderer for communication in respect of this bid shall be provided in Annexure 1. ‘
		xii.	Annexure 2: ‘Tender form’ on tenderer’s letter head with signature of Proprietor/ Managing Director / 2 Directors/All partners as the case may be.
		xiii.	Annexure 3: Notarized Declaration made by the tenderer on Stamp Paper of Rs.500/- with signature of Proprietor/ Managing Director / 2 Directors/All partners as the case may be in presence of 2 witnesses.
		xiv.	Annexure 3A: Tri party agreement between mcgm, manufacturer and bidder
		xv.	Annexure-4:- PRO-FORMA for uploading details of EMD and Annexure-3
		xvi.	Annexure 9A: PRO-FORMA FOR MANUFACTURER’S LETTER(If Tender Is Submitted By Indian Or Foreign Manufacturer) Annexure 9B : PRO-FORMA FOR MANUFACTURER’S LETTER (From Foreign Manufacturer’s Only For Appointing100% Indian Subsidiary / Subsidiary Of Principle Foreign Manufacturer

			/Sister Concern/Associate/Affiliate/Joint Venture- Registered In India) Annexure 9C : PRO-FORMA FOR MANUFACTURER'S LETTER(From Foreign Manufacturer's Only For Appointing Distributor /Dealer / Importer /Traders/Agent)
		xvii	Annexure 11: Authorization letter for attending tender opening.
		xviii	Annexure 12: Contract Agreement form
		xix.	Annexure 13: Details of litigation History on Rs. 500 Stamp Paper
		xx.	Annexure 14: Pact of Integrity
		xxi.	Annexure 15:-Internal Grievance Redressal Mechanism
		xxii.	Annexure- A (Irrevocable Undertaking) as per prescribed format on Rs. 500/- stamp paper.
		xxiii.	Annexure-B
		xxiv.	Valid CDSCO license in the name of bidder/ Manufacturer issued by competent authority
	B)	**<u>Technical Bid (Packet B)</u>** The following Documents shall be submitted in the Packet 'B':-	
		i.	Annexure 5: Technical Offer – Basic equipment and essential accessories.
		ii.	Annexure 6: List of the Spare Parts.
		iii.	Annexure 7:- List of the Consumable / Accessories.
		iv.	Annexure -7 A:- List of the Consumable& Accessories Set.
		v.	Annexure–8:- Comparison of tender specification v/s equipment specification.
		vi	Annexure–10: Experience certificate (Proforma for Statement of experience certificate)
		vii.	Annexure 16:- Details of CE US FDA certificate Copy of valid relevant CE / USFDA Certificate etc, wherever applicable as per enclosed schedule copy / tender manual.
		viii.	Scan copy of original Technical Brochure's for quoted model and all other allied equipment's having technical specifications shall be uploaded. Scan copy of original Technical Brochure's for quoted model shall be signed and stamped by Original Equipment manufacturer. The quoted product shall be available on the current official website of the

			manufacturer; otherwise the quoted product shall be considered obsolete/ redundant. Bidders will not be allowed to substitute any other technical Brochure during clarification stage.
		ix.	In case of proprietary items the Manufacturer / Manufacturer with Loan License/ Importer shall submit the letter on the original letterhead of the manufacturing company to the effect that a particular product is not manufactured by any other company and the concerned Manufacturer / Importer shall also submit copies of the work orders quotation given to the Govt. / Semi Govt. Institute
	C)	**<u>Commercial Bid (Packet C):-</u>** The commercial bid is to be submitted online by filling the rates using the user ID, password and using digital signature. Packet 'C' will be automatically generated as per item data. Tenderer(s) shall fill item wise rates for all the items mentioned in the item data tab. Tenderer(s) shall also give the breakup of tax structure loaded in the quoted prices in tender Packet B i.e. the percentage of various taxes & duties without disclosing the basic price for the machine/equipment. Accordingly, the prices quoted should be in the same currency for all the items quoted i.e. Equipment, Accessories, CMC/AMC, Turnkey projects, cost per test if any etc. failing which tenders will be rejected. While quoting the prices for the medical equipments manufactured in India, prices should be quoted in Indian currency only and tax structure shall be mentioned for all taxes like GST, all duties, levies etc. in force i.e. the percentage of various taxes & duties without disclosing the basic price for the machine/equipment in packet B. Even though local supply is imported, the tax structure shall be mentioned for all taxes like GST, all duties, levies, Basic custom duty, etc. in packet B. **In case of import supply**, rates shall be quoted in Foreign Currency only and payment shall be made by opening Letter of Credit (L.C.) in the name of Principle Manufacturer (L.C. is to be opened by BMC). Taxes such as Basic custom duty, stamp duty, GST will be paid by BMC. However same will be taken into consideration for evaluation and price comparisons along with AMC/CMC /Indian items / Turnkey Work/ cost per test /cost of reagents/cost of consumables as the case may be. However Indian Subsidiary may quote in Indian currency and rates shall be inclusive of all taxes.	

		Exception is given for the firms as mentioned at clause 25 (3) 'quoted currency'. The conversion rate of the foreign Currency will be as per the exchange rate on the date of the opening of commercial bid mentioned in the header data in Mahatender. The rates quoted should be Cost Insurance and freight (CIF) and delivery with installation per unit basis mentioned in the enquiry document and should be comprehensive incorporating the cost of the instrument / equipment and accessories required as part of the equipment and shown as such in the enquiry document. In case any item is required as an essential accessory for equipment, it must be mentioned clearly in Packet B and its rates must be included in the rates for the equipment. If such essential accessories are not specifically mentioned, it will be presumed that the cost of essential accessories is included in the cost of equipment and no separate payment for the same will be made thereafter under any circumstances. If any accessory is demanded as mandatory in the tender enquiry, under no circumstances it should be shown as an optional accessory and quoted separately. The price of the product offered must include the accessories required for operation of the instrument and no separate payment will be made even if such an accessory is not included in the offer. Only those accessories which are specifically recommended by the manufacturer of the instrument / equipment should be offered as part of the equipment and under no circumstances a cheaper variety of an accessory not approved / recommended by the manufacturer should be offered. The charges towards Third party inspection, Insurance, Transportation shall be included in the quoted cost. **Cost For CMC:** Cost of the Comprehensive Maintenance Contract (CMC) for each year will be fixed to 5% of the ordered value of the equipment* ***Order value of the equipment:** (1) If quoted price of equipment is in INR by a bidder (which includes all taxes to be paid by bidder) then same will be considered as ordered value of equipment.

		If quoted price of equipment is in foreign currency (which does not include taxes to be paid by bidder) then converted price in INR + Basic Custom Duty, bank clearance charges, Cess etc. (as per prevailing rates) + GST (as per prevailing rates) + cost of local supply is considered as ordered value of equipment.
28.	**<u>Taxes & Duties</u>** 1. All the rates quoted by the tenderer should be inclusive of all taxes, i.e G.S.T. and other state levies/cess which are not subsumed under GST. The tenderer shall quote the rates inclusive of all taxes & duties clearly & understood that BMC will not bear any additional liability towards payments of any Taxes & duties. 2. If the services to be provided by the Tenderers falls under Reverse Charge Mechanism, the price quoted shall be exclusive of GST, however same shall be inclusive of taxes /Duties/Cess other than GST, if any. 3. Rates accepted by BMC shall hold good till completion of work and no additional individual claim shall be admissible on account of fluctuations in market rates; increase in taxes /any other levies/tolls etc. except that payment recovery for overall market situation shall be made as per price variation ***and if there is any subsequent change (after submission of bid) in rate of GST applicable on the work/services to be executed as per tender, i.e. any increase will be reimbursed by BMC whereas any reduction in the rate of GST shall be passed on to BMC as per the provisions of the GST act.***. 4. As per the provision of Chapter XXI-Miscellaneous section 171(1) of GST Act, 2017 governing 'Anti Profiteering Measure' (APM), 'any reduction in rate of tax on any supply of goods and services or the benefit of input tax credit shall be passed on to the recipient by way of commensurate reduction in prices'. Accordingly, the contractor should pass on complete benefit accruing to him on account of reduced tax rate or additional input tax credit to BMC. 5. Further, all the provisions of GST Act will be applicable to the tender. 6. For compliance of the same, the bidder/tenderer shall upload the undertaking as per Annexure A **in Packet B.** 7. **GST will be paid at actual for CMC as the case maybe.** 8. In case of supply of machines/equipment **manufactured outside India** and where the payment is made by opening of letter of Credit (L.C.), taxes, duties applicable including GST are to be borne by the BMC The manufacturer /supplier shall quote the CIF Mumbai Cost of the machine to be imported / supplied 9. If there is any increase in above taxes/duties during the period of contract repayment claim will not be entertained by BMC. 10. Cost of local supply items shall be quoted inclusive of taxes(as applicable).	

29.	**<u>Consumables /Accessories / Instruments: (If applicable)</u>** Tenderer shall have to submit the rate for the consumables mentioned in Annexure-7 in commercial bid (BOQ) in e-tender. The Tenderer shall have to quote only one rate which will remain constant throughout the Warranty for three years and Annual /Comprehensive maintenance (AS applicable) contract period for seven years i.e. for total ten years. However if the value of foreign currencies at the time of supply of consumable items w.r.t. Indian Rupees increases by 25% than on the date of opening of commercial bid in such cases, difference in excess of 25% would be paid to bidder. **The rate quoted for consumables shall be freezed for 10 years and cost of one consumable each shall be considered for evaluation and BMC is not binding to accept the rates quoted for consumable.** **Apart from mentioned consumables cost of no other consumables will be paid by BMC and** Rates for consumables / spares / accessories shall be quoted excluding taxes if any(GST only). GST will be paid at actual as per prevailing rates. 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 will be paid by BMC on consumables/ accessories/ spare parts during 3 years warranty and 7 years CMC.
30.	**<u>Pre-bid Meeting:</u>** If required by BMC and depending upon the nature of work, the pre-bid meeting will be held at the date, time and venue mentioned in the e-Tender Notice. Tenders shall note that any corrigendum issued regarding this tender notice will be published on the BMC portal. No corrigendum will be published in the local newspapers. The prospective tenderer(s) should submit their suggestions/observations if any, in writing minimum 2 days before Pre-bid meeting. Only suggestions/observations received in writing will be discussed and clarified in pre-bid meeting and any modification of the tendering documents, which may become necessary as a result of pre-bid meeting, shall be made by BMC exclusively through the issue of an addendum/corrigendum. The tender uploaded shall be read along with any modification.

	Authorized representatives of prospective tenderer(s) can attend the said meeting and obtain clarification regarding specifications, works & tender conditions. Authorized representatives should have authorization letter to attend the pre-bid meeting. Non-attendance at pre-bid meeting shall not be a cause for disqualification of a tenderer. The suggestions / objections received in pre-bid meeting may not be considered, if the same are not in consonance with the requirements of the tender/project. BMC reserves the right to reject the same.	
31.	**<u>Procedure for the opening of the tender:</u>** Packet-'A' (Administrative bid) and packet 'B' (Technical Bid) will be opened online simultaneously on the due date and due time as stated in the header data when the tenderer or his authorized representative will be allowed to remain present. Packet 'C' will be opened only if the administrative & technical offer in Packet 'A & B' is acceptable. In case the administrative and technical offer in Packet 'A' & 'B' is found not acceptable or found incomplete, then Packet 'C' will not be opened and offer will be kept out of consideration. The date and time of the opening of Packet 'C' will be intimated to the responsive tenderer via mail. <u>No complaint for non receipt of such intimation will be entertained</u>.	
32.	**<u>Evaluation of the tender:</u>**	
	i.	After opening of Packet A and Packet B, on the scheduled date, time and venue, contents of the tenders received online through e-tendering process along with all prescribed mandatory documents will be examined. The scrutiny shall be on the basis of submitted substantiation documents.
	ii.	Any bid that does not meet the bid conditions laid down in the bid document will be declared as not responsive and such bids shall not be considered for further evaluation. However, the tenderers can check their bid evaluation status on the website.EMD of nonresponsive bidder will get refunded on finalization of status on Mahatender Portal.
	iii.	Bids which are in full conformity with bid requirements and conditions shall be declared as responsive bid for opening price bid on the website and price bid of such tenderers shall be opened later, on a given date and time.
	iv.	The documents which are uploaded in Packet 'A' and Packet 'B' with Tender original of which, if called, shall be produced for verification within 3 days. Also if required, B.M.C. may ask any clarification / Additional Documents from the tenderer during the tender process.

33.	Every complaint, submitted by competitive tenderers in the matter of challenge to the authenticity of documents/information and/or particulars submitted by another tenderer ought to be accompanied with the deposit of Rs. 2,00,000/- (Rupees Two Lakhs only) towards charges for inspection and verification of the documents of another tenderer. On verification of the complaint, if the representations made therein are found to be true and correct, the deposit will be refunded to the complainant and the E. M. D. of the defaulting tenderer shall be forfeited and further it shall be lawful for BMC to blacklist such defaulting tenderer for a maximum period of five years. On verification of the complaint, if the representations made therein are found to be false and incorrect, the deposit shall be forfeited and the complainant shall be black-listed for period of two years. Any complaint received regarding the authenticity of documents / information and/or particular submitted by another tenderer after price bid opening will not be entertained
34.	**Internal Grievance Redressal Mechanism: (As per Annexure 15)** Tenderer has the right to submit a complaint or seek de-briefing regarding the rejection of his bid, in writing or electronically, within 07 days of declaration of Administrative and Technical or financial evaluation results. The complaint shall be addressed to Deputy Municipal Commissioner/ Joint Municipal Commissioner (Central Purchase Department).
35.	**Price Negotiation :** The BMC reserves its right to negotiate with the lowest acceptable tenderer (L-1), who is techno-commercially suitable for supplying bulk quantity and on whom the contract would have been placed but for the decision to negotiate.
36.	**Acceptance of Tender/ Award of Contract:-** The BMC will award the Contract to the successful tenderer whose bid has been determined to be responsive and has been determined to be the lowest in rate as per price clause of this tender. The decision of the Municipal Commissioner shall be final and binding and Municipal Commissioner, do not pledge himself to accept the lowest or any tender and reserves the right to split the quantity amongst the eligible tenderers and to relax any of the conditions of this tender. The Municipal Commissioner Reserves right to reject any or all tenders without assigning any reason. A contract will not be awarded to the successful tenderer if Security Deposit is not deposited by him to the BMC within stipulated time limit.
37.	**Demonstrations:-** Demonstration is compulsory for lowest bidder and he should arrange for the demonstration

	in India of the equipment quoted for in the tender within 7 days from the date of intimation of the request for demonstration preferably in Mumbai in the hospital. However, if complete system of quoted model/complete system is not available in Mumbai, demonstration may be arranged outside Mumbai/India in any mutually agreed upon hospital or manufacturing plant at bidder's cost. 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. If demonstration / testing of equipment offered by lowest bidder is found non-satisfactory, **then his offer will not be considered and treated as non responsive.** The demonstration of equipment should be attended by HoD/Professor/Associate Professor of the Major Hospital only. Demonstration in the presence of subordinate authorities like Resident Doctors / Lecturers will not be allowed. The video recording of the demonstration shall be mandatorily done. Soft copy of the Video Recording shall be handed over to the representative of BMC who witnessed the demonstration. Arrangement of Video Recording shall be done by the bidder at their own cost. The demonstration report shall be prepared on same day and signed by all present including representatives of bidder / Head of Department.
38.	**<u>Period of Contract:</u>** The period of contract shall be 10 years (3 years warranty period + 7 years CMC period) from the date of signing of the contract/agreement by both the parties i.e. the Contractor and BMC.

SECTION 7:GENERAL CONDITIONS OF CONTRACT	
The General Conditions of Contract (G.C.C.) contained in this section are to be read in conjunction with the other section in the tender.	
1.	**Contract:** Contract means the Contract Agreement entered into between the Purchaser, henceforth called Brihanmumbai Municipal Corporation or BMC, and the Supplier, together with the Contract Documents. The Contract and the term 'The Contract' shall in all such documents be construed accordingly. The 'Contract Document' means the entire document along with any attachments and all documents forming part of the Contract (and all parts of these documents) are intended to be correlative, complementary and mutually explanatory. The contract shall be read as a whole. The Contract Agreement means the agreement entered into between the BMC and the Supplier. The date of the Contract Agreement shall be recorded in the signed form. Tenderer must distinctly understand: That they shall be strictly required to conform to the conditions of this contract as contained in each of it clauses and that the plea of "custom prevailing" shall not on any account be admitted as an excuse on their part for infringement of any of the condition. 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.
2.	**Contract Documents:** The following documents shall be considered an integral part of the contract, irrespective of whether these are not appended / referred to in it. 1) Letter of Acceptance 2) The Contractor's Bid 3) Addendum/corrigendum to Bid, if any 4) Tender Document including a) The Bill of Quantities / Price Packet b) The specifications c) The General conditions of Contract d) The Special conditions of Contract 5) Final written submissions made by the contractor during negotiations, if any 6) All correspondence documents between bidder and BMC. 7) Integrity Pact

3.	**<u>Contract Deposit / Performance Security</u>:**	
	i.	The Successful tenderer (Contractor) shall have to pay Contract Deposit @ 5% of total contract cost, within 30 days from the date of issue of Letter of Acceptance (LoA).
	ii.	The contract deposit / Performance Security shall be paid either in the form of Demand Draft (DD) or in the form of Bankers' Guarantee.
	iii.	Bankers Guarantee (B.G.) shall be issued from the Banks listed by Reserve Bank of India on their website:- 'rbidocs.rbi.org.in/rdocs/publications/pdfs/84656.pdf'. The B.G. shall be acceptable from these banks and all branches of these banks situated within Mumbai limit and up to Kalyan and Virar.
	iv.	The B.G. issued by branches of approved Banks beyond Kalyan and Virar can be accepted only if the said B.G. is countersigned by the Manager of a Branch of the same bank, within the Mumbai City limit categorically endorsing thereon, that, the said B.G. is binding on the endorsing Branch of the Bank within Mumbai limits and is liable to be enforced against the said Branch of the Bank in case of default by the contractor/supplier furnishing the banker's guarantee.
	v.	The contract deposit / Performance Security should be refunded to the contractor without interest, after he duly performs and completes the contract in all respects. The performance B.G. shall remain valid for a period of 6 months beyond the date of completion of all contractual obligations including warranty and AMC/CMC obligations.
	vi.	The B.G. valid for the entire contract period including AMC/CMC period (minimum ten and half years period) shall be submitted. However, the Contractor is allowed to submit B.G. valid for the period of three years initially (during warranty period) and thereafter it shall be renewed (maximum two times) for further period of not less than three years at a time during AMC / CMC period and maintain the requisite contract deposit / Performance Security for entire contract period including AMC/CMC period.
	vii.	If the Contractor during currency of the contract fails to maintain the requisite contract deposit / Performance Security, BMC shall recover from the contractor the amount of contract deposit / Performance Security by deducting the amount from the pending bills of the contractor under this contract or any other contract with the BMC. Otherwise the existing B.G. towards contract deposit shall be forfeited and the contractor shall be debarred from participating in BM tenders

		for a period of 3 years			
	viii.	The successful bidder shall have to pay Stamp Duty on B.G. as per the Maharashtra Stamp Act at present prevailing rate is 0.5% at present on total cost. The renewed B.G. shall be treated as new B.G. and it is necessary to pay fresh Stamp Duty.			
	ix.	The BMC shall be entitled, and it shall be lawful on its part, to deduct from the performance securities or			
		a.	to forfeit the said security in whole or in part in the event of:		
			i.	any default, or failure or neglect on the part of the contractor in the fulfillment or performance in all respect of the contract under reference or any other contract with the BMC or any part thereof	
			ii.	for any loss or damage recoverable from the contractor which the BMC may suffer or be put to for reasons of or due to above defaults/ failures/ neglect	
		b.	and in either of the events aforesaid to call upon the contractor to maintain the said performance security at its original limit by making further deposits, provided further that the BMC shall be entitled, and it shall be lawful on his part, to recover any such claim from any sum then due or which at any time after that may become due to the contractor for similar reasons.		
4.	**<u>Refund of contract deposit:-</u>** Contract deposit will be refunded after six months after completion of contract period of three years warrantee & 7 years AMC/CMC(as applicable) subject to satisfactory performance/ maintenance of equipment .				
5.	**<u>Signing & Execution of Contract:</u>**				
	I.	In the event of the tender being accepted, the Letter of Acceptance (LoA) and the Contract documents shall be sent / issued to the successful bidder (Contractor) for signature and return, incorporating all the agreements between the parties to the contract i.e. the contractor and the BMC. The Contractor shall acknowledge and unconditionally accept, sign, date and return the contract documents within 30 days from the date of issue.			
	II.	The contract must be signed by proprietor of the firm in case of proprietary firm / all the partners of the firm. If one or more partners are not available for this purpose, the signatory must produce a power of attorney authorizing him to sign on behalf of the absent partners. Such power of attorney need be registered in the office of the Chief Accountant and Dy. Chief Engineer (C.P.D.) should be			

		informed accordingly.
	III.	In case of joint stock Company the contract must be sealed with the seal of the company in the presence of and signed by two Directors or by person duly authorized to sign the contract for the company by a power of Attorney. All such power of attorney must be registered in the office of the Chief Accountant and Dy. Chief Engineer (C.P.D.) should be informed accordingly.
	IV.	Contractor shall pay contract deposite / performance security, legal & stationary charges, stamp duty etc. and submit signed contract documents within 30 days from the date of issue of Letter of Acceptance and thereafter a fine of Rs. 5000/- per day will be imposed up to maximum 07 days delay
	V.	If the contractor fails to pay / submit contract deposit / performance security, legal & stationery charges, stamp duty etc. and signed contract documents within the above stipulated time (i.e. 37 days including penalty period of 07 days, the above mentioned fine plus entire EMD amount will be forfeited and the tender / contract already accepted shall be considered as cancelled.
	VI.	The contract shall be signed and entered into after receipt and verification of requisite performance security, by the BMC authority empowered to do so.
	VII.	The Rate Circular shall be issued only after signing of contract by both the parties i.e. contractor and BMC.
	VIII.	The contract shall be executed as per the MMC Act.
6.	**<u>Payment of legal and stationery charges:</u>** These charges are to be paid by the successful bidder on receipt of acceptance letter for the supply of the material as per prevailing circular. This can change and the successful tenderer shall have to pay the applicable legal and stationary charges at the time of award of contract.	
7.	**<u>Stamp duty:-</u>** The contract agreement shall be adjudicated for the payment of stamp duty by successful bidder and accordingly the successful bidder shall have to pay the stamp duty on contract agreement as per the Government Directives. The Stamp Duty payable on the Contract Value shall also be paid to Government as per the provisions of "Stamp Duty Act 1958" (amended till date).	
8.	**<u>The Successful Tenderers must distinctly understand:</u>**	
	a.	That they shall be strictly required to conform to the conditions of this contract as contained in each of it clauses and that the plea of "custom prevailing" shall not on any account be admitted as an excuse on their part for infringement of any of the conditions.

	b.	The contractor must proactively keep the BMC informed of any changes in its constitution/ financial stakes/ responsibilities during the execution of the contract
	c.	The contract has been awarded to the contractor based on specific eligibility and qualification criteria. The Contractor is contractually bound to maintain such eligibility and qualifications during the execution of the contract. Any change which would vitiate the basis on which the contract was awarded to the contractor should be pro- actively brought to the notice of the BMC within 7 days of it coming to the Contractor's knowledge.
	d	The contractor shall not sublet, transfer, or assign the contract or any part thereof or interest therein or benefit or advantage thereof in any manner whatsoever
9.	**<u>Purchase Order:-</u>** The user department will place purchase orders within 15 days from the date of receipt of rate circular subject to availability of budget provision and site is ready for installation.	
10.	**<u>Letter of Credit (L.C.) Condition:-</u>**	
	i.	All outside India charges on beneficiaries (i.e. bidder) account.
	ii.	Partial shipment will not be allowed. If it is to be allowed, all the charges including clearing, custom duty, GST etc. should be borne by bidder.
	iii.	In case of Warranty replacement – all charges including clearing, custom duty, GST etc, should be borne by bidder.
	iv.	Country of Origin - Bidder should not be allowed to change the Country of Origin mentioned in Original tender i.e. in Packet 'A' at later stage (As mentioned in Annex-ure- I).
	v.	Place of Port of Shipment should be mentioned.
	vi.	Name & Address of Beneficiary, Bidder/Manufacturer Bank details i.e. Name, Branch, Account No., IFSC, SWIFT Code etc.
	vii.	In case amendments in L.C. are required to be made due to reasons related to contrac-tor, delivery period will be considered from the date of opening of original LC and re-quest for such amendments will be entertained up to 15 days from opening of LC after payment of necessary amendment charges.
	viii.	To open L.C. in the name of associates/affiliates/financial arm of manufacturer, under-taking on Rs. 500/- notorized stamp paper should be submitted duly signed with stamp by bidder, manufacturer and their associates/affiliates/financial arm.
11.	**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

Third party inspector/Firm shall verify following:

The firm/agency doing third party inspection need necessarily be accredited by competent authority. The accreditation letter/certificate issued by the competent authority shall be given by Firm/Agency. The third party inspection firm/agency shall prior to shipment inspect the equipment physically in accordance to the tender specifications and certify the following things:-

i.		The equipment is new and made of virgin material; it is not reconditioned /retrofitted.
ii.		The name of the equipment manufacturer, model and serial nos. of equipments& country of manufacturer.
iii.		Third party inspector shall clearly mention in his report the purchase order no., date and name of consignee i.e. Brihanmumbai Municipal Corporation
iv.		**Packing List:-** It shall be issued by original manufacturer in 4 sets. One set should be kept in equipment container. Two sets should be sent with original invoice to user department and one set shall be sent to CPD for information.
v.		**Country of Origin Certificate (**For foreign manufacturer):- It shall be issued by competent authority of that Country (Chamber of commerce of concerned Country) mentioning Name of manufacturer, consignee, name of equipment, invoice No., Qty.etc. Also, Certificate of Origin issued by the manufacturer and certified by the Chamber of Commerce of respective country.
vi.		**Insurance Certificate:-** It shall be issued by the Insurance company and shall contain name, model, serial nos. of equipment being supplied. Also it shall contain the mode of transport, location from manufacturers site i.e. from factory warehouse to warehouse of user department / port of destination i.e. Mumbai and period of insurance.
	vii.	**Original Invoice issued by bidders/manufacturer should contain following de-**

		tails :-	
		a)	The name of the equipment manufacturer, model and serial nos. of the equipments.
		b)	Name of the consignee i.e. Brihanmumbai Municipal Corporation
		c)	Purchase order number and date issued by Brihanmumbai Municipal Corporation
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.		
13.	**Bill of lading or Airway Bill** :- Bidder has to submit bill of lading or Airway bill after dispatch of equipment/machine. The user department has to verify before making payment to bidder.		
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 co-ordinating with clearing agent appointed by BMC. It is mandatory that the 100% Indian subsidiary of foreign manufacturer duly registered in India / Subsidiary of principle Foreign Manufacturer duly registered in India / sister concern of Foreign manufacturer duly registered in India /Associate of Foreign manufacturer duly registered in India /joint venture of Foreign manufacturer duly registered in India / affiliate of Foreign manufacturer duly registered in India or Distributor/Dealer/Importer/trader/agent appointed by foreign Manufacturer shall 1. Import the equipment from Principal foreign manufacturer directly in the name of BMC only after receipt of Purchase Order only after the receipt of purchase order. 2. Raise invoice in the name of BMC hospital. 3. Import equipment directly to Mumbai port. 4. Supply to the BMC Hospitals in Mumbai without unloading the material elsewhere during transportation.		

	Also the tenderer shall provide one additional packing list indicating details of supply to be delivered to the concerned hospital in advance so that it will be easier for the authority of concerned hospital to confirm supply in the packed consignment as per the purchase order. Installation & commissioning shall be done within 30 days from delivery of the equipment/machine.
15.	**<u>Training :-</u>** 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.
16.	**<u>Penalty:-</u>** If the successful tenderer fails to comply with work/purchase order within the delivery period stipulated, the municipal Commissioner/ D.M.C.(C.P.D)/ Dean of Hospital/ Intending Officer shall exercise his discretionary power either :- 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 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.
17.	**<u>Consequence of inferior supply:-</u>** 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.
18.	**<u>Replacement of Rejected Materials:-</u>**

	Tenderer/contractor shall have to replace rejected Material with approved one. The supplier should remove the rejected Material within 15 days failing which the same will be disposed off by BMC at the risk and cost of contractors without any further correspondence in this regards.
19.	**<u>Risk & Cost Purchase:-</u>** In case the Contractor/s, shall at any time during the continuance of these presents fail to supply satisfactorily the equipment within the prescribed time as herein provided and or in case shall fail at once to replace any part/s that may have been rejected as herein provided with other of approved quality, the Municipal Commissioner shall be at liberty forthwith to procure the same in the open market at the risk and cost of the contractor/s. Similarly if the work underlying the contract is not executed satisfactorily within the stipulated period or after the same having been disapproved wholly or partly is not rectified or re-done to the satisfaction of the Officer in Charge within the said specific period, the Commissioner shall get the same executed or rectified or re-done through any other agencies, at the entire risk of the contractor/s as to cost and consequences. The extra cost thereof (if any) and all expenses thereby incurred, which shall include charges of 5% minimum to a maximum of 15 % shall be payable by and/or may be deducted from any moneys due or become due to the Contractor/s under this or any other contract/s between the Contractor/s and the Corporation. The Commissioner may, however fix such other subsequent date as he may think fit by which the delivery of the said article and or execution of the said work shall be completed.
20.	**<u>Blacklisting:-</u>** The firm shall be black-listed, if it is found that:- i) Forged documents are submitted OR ii) If it becomes responsive on the basis of submission of bogus certificate/information. OR 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.
21.	**<u>Contract Postponement:-</u>** Postponement of the payment of the full contract deposit or the execution of the contract will not be permitted by the reason of the Brihanmumbai Municipal Corporation having in possession of other deposit on account of other tenders or contract, which deposits may be or become returnable to the tenderer and which they may wish to transfer as a contract deposit under this contract. Such transfers will not, under any circumstances, be

	permitted.
22.	**<u>Secrecy:-</u>** The contractor shall take all reasonable steps necessary to ensure that all persons employed in any work in connection with the contract, who obtains in the course of the execution of the contract, any matter whatsoever, which would or might be directly or indirectly of use to any person not connected with the contract, should treat it as secret and shall not at any time communicate it to any person. Any breach of above said condition shall be a sufficient cause to cancel the contract and The Municipal Commissioner shall be at liberty to purchase the same material at the risk and cost of the contractor**.**
23.	**<u>Compliance with security Requirement</u>:-** The Contractor shall strictly comply with the security Rule of the BMC in force and shall complete the required formalities including verification from Police and any other authorities if any, and obtain necessary prior permission for entry into the premises.
24.	**<u>Confidential Information:-</u>** The drawings, specifications, prototype, sample and such other information furnished to the contractor relating to the supply of equipment/plant shall be treated as confidential and shall not be divulged to any third party. It shall remain the property of BMC. If, during the process of execution of the contract, any improvement, refinement or technical changes and modifications are effected by the contractors, such changes shall not affect the title to the property and all the information, specifications, drawings etc. including the improvement/modifications effected by the contractor shall continue to be the property of the BMC
25.	**<u>Guarantee and repair during the guarantee period:-</u>** The Contractor/s shall for a period of Thirty Six calendar months after the acceptance and satisfactory Installation and commissioning of the equipment, maintain, uphold and keep them in thorough repairs and working order at their own cost and expenses and to the entire satisfaction of the Municipal Commissioner or the Dean/Ch.M.S /E.H.O. or the purchasing Officer, the entire Machinery / Equipment and shall also be responsible for and be liable under the provisions of this clause to make good any defect that may during that period develop in the normal and proper working of the Machinery / Equipment. In case of repairs of Machinery / Equipment which is not manufactured in India, the manufacturer, 100% Indian subsidiary of foreign manufacturer duly registered in India / Subsidiary of principle Foreign Manufacturer duly registered in India / sister concern of Foreign manufacturer duly registered in India /Associate of Foreign manufacturer duly registered in India /joint venture of Foreign manufacturer duly registered in India / affiliate of Foreign manufacturer duly registered in India,

		Distributor/Dealer/Importer/trader/agent during the guarantee / warranty period shall bear all the taxes, custom duties, levies, to & fro cost of transportation etc. of the Machinery / Equipment while the same is taken away from India and returned to India (i. e. Municipal Hospital) duly repaired by the Manufacturer. During the entire period of guarantee the Tenderer shall replace the equipment and or part of the equipment entirely on its break down / non functional, which shall be at the cost of the Tenderer and includes the labour charges, transport charges and etc. shall also be borne by the Tenderer. The tenderer should assure an up-time 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 on the tenderer and same will be recovered from Contract Deposit or payment due if any.
26.	**Maintenance contract (As Applicable)**		
	A.	**Service and annual maintenance contract:** The successful tenderer shall have to enter into Annual Maintenance Contract for at least seven years after the completion of warrantee period of 36 months at the rate of 3% of equipment cost per year, rate will be fixed for 7 years. The Annual Maintenance Contract shall include the repair and maintenance of equipment and plant and all accessories supplied by the tenderer as a part of this tender. It is the responsibility of the tenderer to see that the equipment and all accessories are maintained in proper functioning condition, whether any spare parts/accessories be manufactured by the tenderer or not. a) The tenderer should assure an up-time guarantee of at least 96% (calculated on the basis of 24 hours a day and seven days a week). During AMC period, the Service Engineers will have to make 04(four) compulsory Quarterly visits per year for preventive maintenance while breakdown calls (unlimited) will be attended within 72 hours (3 days) from the date & time of lodging of complaint with the Service Engineer through phone / fax/person/post/courier/e-mail. A service call shall be attended even on Sundays and Public Holidays. The complaint /message will be sent to the address given in this contract as well as in supply order. b) If the breakdown is attended and rectified within 120 hours (5 days) at our sits, no penalty/ deduction will be made from the AMC bill. c) If it is not rectified within 120 hours (5 days) i.e. stipulated time by the Service engineer at our site, deduction will be made @ double the prorata basis AMC charges per day from the bill after allowing stipulated period of 120 hours i.e. 5 days. d) If the problems are required to be rectified at Service Centre site /workshop /

		premises, additional 7 days period will be allowed i.e. total 10 days from the day of initial breakdown report. Normal AMC charges for additional 7 days period will be deducted from the bill of AMC on prorata basis. If the equipment is not made available in all respect after rectification from the Service Centre site/ premises within 10 days, there will be a provision to deduct @ double the AMC charges/ day on prorate basis from the bills for delayed period. If Only cost of spare parts and consumables will be paid separately as per the rate quoted for spares & consumable as per list uploaded while submission of tender **Warranty as well as AMC shall be for the main equipment, all accessories and Site modification work supplied by the tenderer as a part of this tender. The scope of work during warranty and AMC shall consists of break down and preventive maintenance including testing and calibration as per technical/service /operational manual of the manufacturer, labour and spares.** OR
	B.	**Service and comprehensive maintenance contract:** The successful tenderer shall have to enter into comprehensive Maintenance contract for at least seven years after the completion of warrantee period of 36 months at the rate of 5% of equipment cost per year, rate will be fixed for 7 years. The comprehensive Maintenance contract shall include the equipment and all accessories supplied by the tenderer as a part of this tender. It is the responsibility of the tenderer to see that the equipment and all accessories are maintained in proper functioning condition by providing spare parts where required, whether such spare parts/accessories be manufactured by the tenderer or not. a) The tenderer should assure an up-time guarantee of at least 96% (calculated on the basis of 24 hours a day and seven days a week). During CMC period, the Manufacturer's Service Engineers will have to make 04(four) compulsory Quarterly visits per year for preventive maintenance while breakdown calls (unlimited) will be attended within 72 hours (3 days) from the date & time of lodging of complaint with the Service Centre through phone / fax/person/post/courier/e-mail. A service call shall be attended even on Sundays and Public Holidays. The complaint /message will be sent to the address given in this contract as well as in supply order. b) If the breakdown is attended and rectified within 120 hours (5 days) at our sits, no penalty/ deduction will be made from the CMC bill. c) If it is not rectified within 120 hours (5 days) i.e. stipulated time by the Service Engineer at our site, deduction will be made @ double the prorate basis CMC charges per day from the bill after allowing stipulated period of 120 hours i.e. 5 days.

		d) If the problems are required to be rectified at Service Centre site / workshop / premises, additional 7 days period will be allowed i.e. total 10 days from the day of initial breakdown report. Normal CMC charges for additional 7 days period will be deducted from the bill of CMC on prorata basis. If the equipment is not made available in all respect after rectification from the Service Centre site/ premises within 10 days, there will be a provision to deduct @ double the CMC charges/ day on prorata basis from the bills for delayed period. **Warranty as well as CMC shall be for the main equipment, all accessories and Site modification work supplied by the tenderer as a part of this tender. The scope of work during warranty and AMC shall consists of break down and preventive maintenance including testing and calibration as per technical/service /operational manual of the manufacturer, labour and spares.**	
27.	**<u>Payment condition:</u>**		
	A)	In case of Supply of Indian Manufactured Medical equipment-	
		1.	80% payment will be made within 30days from the date of satisfactory supply of equipment, submission of bills and submission of as mentioned at clause no. 11 (Documents required at the time of shipment of consignment) given elsewhere in tender document.
		2.	The balance 20% payment will be released within 30 days after satisfactory installation commissioning of the equipment. The Performance Certificate of equipment shall be issued by competent authority/ Concerned HOD of respective hospital. Also user department shall obtain satisfactory inspection report from EE (MEC).
	B)	In case of imported medical equipments:	
		1.	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.
		2.	In case to open L.C. in the name of associates/affiliates/financial arm of manufacturer, undertaking on Rs. 500/- notorized stamp paper should be submitted duly signed with stamp by bidder, manufacturer and their associates/affiliates/financial arm.
		3.	The balance 20% payment will be released within 30 days after satisfactory installation commissioning of the equipment. The Performance Certificate of equipment shall be issued by competent authority/ Concerned HOD of respective hospital. Also user department shall obtain satisfactory inspection report from EE

		(MEC).
	C)	If the payment to be made to the bidder is delayed for the reason from bidder's side, any increase in exchange rate will be recovered from bidder i.e. (in Indian rupees)
	D)	The payment of AMC/CMC of the medical equipments shall be made on six monthly basis subject to satisfactory completion of maintenance and servicing activities.
	E)	Submission of documents / evidence showing details of the payment of GST has been made (if applicable).
	F)	Tenderers are informed that the payment of the bills and other claims arising out of the contract shall be made in the name of their bank by account through ECS/RTGS/NEFT only. Successful tenderer, therefore, shall have to furnish the information as regards the name and complete address of their bank, its branch and their Bank A/c. No. etc. along with the tender documents. Such Bank account must be in any Nationalized Banks or Schedule Commercial Banks or Scheduled Co-Op. Banks or Foreign Banks in Mumbai jurisdiction. Contractor shall fill up vendor master creation form online along with registration fee of Rs.100/- for creating Vendor's Master. They also have to upload fresh information online when any subsequent change in the name of the firm and address of firm, the contractor/supplier must upload such changes with relevant documents and a fee of Rs.5000/- per change as administrative charges for effecting such changes in BMC records.
	G)	NOC of vigilance Department as the case may be will be required at the time of releasing final payment.
28.	**<u>Jurisdiction of courts:-</u>** In case of any claim, disputes or differences arising in respect of the contract, the causes of action thereat shall be deemed to have arisen in Mumbai and all legal proceedings in respect of any such claim, disputes or differences shall be instituted in a Competent Court in the City of Mumbai only.	
29.	**<u>Force Majeure clause:-</u>** For purposes of this Clause, 'Force Majeure' means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.	

	If a Force Majeure situation arises at any time during the subsistence of contract, the Supplier shall promptly but not later than 30 days notify the Purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event. Force Majeure will be accepted on adequate proof thereof. If contingency continues beyond 30 days, both parties will mutually discuss and decide the course of action to be adopted. Even otherwise contingency continues beyond 60 days then the purchaser may consider for termination of the contract on pro-rata basis.
30. ➢	**<u>Fall Clause:-</u>** The Tenderer undertakes that it has not quoted similar medicines/medical devices and medical consumables / products / systems or subsystems in the past six months in the Maharashtra or any other State of India for quantity variation up to -50% or +10%, at a price lower than that offered in the present Tender in respect of any other Ministry / Department of the government of India or PSU or BMC and if it is found at any stage that similar medicines/medical devices and medical consumables / products / systems or sub systems was supplied by the TENDERER to any other Ministry / Department of the Government of India or a PSU or BMC at a lower price, then that very price will be applicable to the present case and the difference in the cost would be refunded by the TENDERER to the BMC, if the contract has already been concluded, else it will be recovered from any outstanding payment due to the Tenderer from BMC.
31. ➢ ➢	**<u>Subsequent Legislation:-</u>** If on the day of submission of bids for the contract, there occur changes to any National or State stature, Ordinance, decree or other law or any regulation or By-laws or any local or other duly constituted authority or the introduction of any such National or State Statute, Ordinance, decree or by which causes additional or reduced cost to the Contractor, such additional or reduced cost shall, after due consultation with the Contractor, be determined by the concerned Engineering Department of MCGM and shall be added to or deducted from the Contract Price with prior approval of competent authority and the concerned Engineering Department shall notify the Contractor accordingly with a copy to the Employer. MCGM reserve the right to take decision inrespect of addition/reduction of cost S t a n d a r d B i d D o c u m e n t Page 94 in contract
32.	**<u>Corporation's lien over all moneys due to the Tenderer or his deposit:-</u>** The Corporation shall have a lien on and over all or any moneys that may become due and payable to the Tenderer/s under these present and or also on and over the deposit or

	security, amount or amounts made under this contract and which may become repayable to the Tenderer/s made the conditions in that behalf herein contained, for or in respect of any debt or sum that may become due and payable to the Corporation by the Tenderer/s either alone or jointly with another or others and either under this or under any other contracts or transactions of any nature whatsoever between the Corporation and the Tenderer/s and also for or in respect of any Municipal Tax or Taxes or other money which may become due and payable to the Corporation by the Tenderer/s either alone or jointly with another and others under the provision of the Mumbai Municipal Corporation Act, or any other Statutory enactment or enactment in force in modification or substitution thereof. AND further that the Commissioner on behalf of the Corporation shall at all times be entitled to deduct the said debt or sum or tax due by the Tenderer/s from the moneys, security or deposit which may become payable or returnable to the Tenderer/s under these presents provided however that nothing in this clause shall apply to any moneys due and payable by the Tenderer/s in his/ their capacity as a trustee/s either alone or jointly with others. The provisions of this conditions shall also apply and extended to the Banker‘s Guarantee if any given by the Tenderer/s either in addition to or in substitution of the cash or contract deposit to be made under this contract.
33.	**<u>Settlement of Disputes:-</u>**
a)	**Disputes** All disputes and differences between the parties hereto, as to the construction or operation of this contract, or the respective rights and liabilities of the parties on any matter in question; or any other account whatsoever, but excluding the Excepted Matters (detailed below); arising out of or in connection with the contract, within thirty (30) days from aggrieved Party notifying the other Party of such matters; whether before or after the completion/ termination of the contract, that cannot be resolved amicably between the Procurement Officer and the contractor within thirty (30) days from aggrieved Party notifying the other Party of such matters, shall be hereinafter called the “Dispute”. The aggrieved party shall give a ‘Notice of Dispute’ indicating the Dispute and claims citing relevant Contractual clause to the designated authority and requesting for invoking the following dispute resolution mechanisms. The Dispute shall be resolved without recourse to courts through dispute resolution mechanisms detailed subsequently, in the sequence as mentioned below, and the next mechanism shall not be invoked unless the earlier mechanism has been invoked or has failed to resolve it within

	the deadline mentioned therein. 1) Adjudication 2) Conciliation 3) Arbitration
b)	**Excepted Matters:-** Matters for which provision has been made in any Clause of the contract shall be deemed as 'excepted matters' (matters not disputable/ arbitrable), and decisions of the BMC thereon shall be final and binding on the successful tenderer. The 'excepted matters' shall stand expressly excluded from the purview of the sub-clauses below, including Arbitration. However, where the BMC has raised the dispute, this sub-clause shall not apply. Unless otherwise stipulated in the contract, excepted matters shall include but not limited to: any controversies or claims brought by a third party for bodily injury, death, property damage or any indirect or consequential loss arising out of or in any way related to the performance of this Contract ("Third Party Claim"), including, but not limited to, a Party's right to seek contribution or indemnity from the other Party in respect of a Third-Party Claim. Issues related to the pre-award tender process or conditions Issues related to ambiguity in contract terms shall not be taken up after a contract has been signed. All such issues should be highlighted before the signing of the contract by the contractor
c)	**<u>Adjudication:</u>** After exhausting efforts to resolve the Dispute with the Purchasing Officer executing the contract on behalf of the Procuring Entity, the contractor shall give a 'Notice of Adjudication' specifying the matters which are in question, or subject of the dispute or difference indicating the relevant contractual clause, as also the amount of claim item-wise to Head of Procurement (hereinafter called the "Adjudicator") for invoking resolution of the dispute through Adjudication. Within 60 days after receiving the representation, the Adjudicator shall make and notify decisions in writing on all matters referred to him. The parties shall not initiate, during the adjudication proceedings, any conciliation or arbitral or judicial proceedings in respect of a dispute that is the subject matter of the adjudication proceedings.

	If the adjudicator fails to notify his decision within the abovementioned time-frame, the contractor may proceed to invoke the process of Conciliation.
d)	**<u>Conciliation of disputes</u>:-** Any party may invoke Conciliation by submitting "Notice of Conciliation" to the Head of the Procuring Organisation. Since conciliation is a voluntary process, within 30 days of receipt of "Notice of Conciliation", the Head of the Procuring Organization shall notify a sole Conciliator if the other party is agreeable to enter Conciliation. If the other party is not agreeable to Conciliation, the aggrieved party may invoke Arbitration. The Conciliator shall proactively assist the parties to reach an amicable settlement independently and impartially within the terms of the contract, within 60 days from the date of appointment of the Conciliator. On termination of Conciliation, if the dispute is still alive, the aggrieved party shall be free to invoke Arbitration.
e).	**Arbitration:-** The Head of the Procuring Organization shall notify an Arbitrator within 30 days of receipt of Notice of Arbitration. An Arbitrator will be retired officers of The Procuring organisation in the rank of Senior administrative grade (or equivalent) and shall have retired at least 1 year prior and must not be over 70 years of age on the date of Notice for arbitration. The arbitral tribunal is statutorily bound to deliver an award within 12 (twelve) months from the date when the arbitral tribunal enters reference.
34.	**<u>Commissioner's direction & decisions to be final and binding:-</u>** The directions, decisions, certificates, orders and awards given and made on such reference as aforesaid of the Commissioner (which said direction, decisions, certificates, orders and awards respectively may be made from time to time) shall be final and binding upon the Corporation and the Tenderer and shall not be set aside on account of any technical or legal defects therein or in the Contract, or on account of any formality, omission, delay or error of proceedings or on any ground or for any pretence, suggestion, charge insinuation of fraud, collusion and etc.

35.	**The Commissioner not compellable to defend or answer any suit relating to any certificate or award made by him.** The Commissioner shall not be made party to be required to defend or answer any action, suit or proceeding at the instance of the Corporation or the Tenderer nor shall be compellable by any proceeding whatsoever to answer or explain any matter relating to any certificate or award made by him or to state or show how or why or on what grounds he settle, ascertained or determined or omitted to settle, ascertain or determine in any manner whatsoever, nor shall he be compellable to state or give his reasons for any proceeding whatsoever which he may take or direct to be taken in or about, or show to any person or persons for any purpose whatsoever any document whatsoever or any calculations or memoranda whatsoever in his possession or power relating thereto.
36.	**Partnership:-** Every receipt for money which may become payable or for any security which may become transferable to the Tenderer under these present shall if signed in the partnership name by any one of the Tenderer/s be of a good and sufficient discharge to the Commissioner and Corporation in respect of the money or security purporting to be acknowledged thereby and in the event of the death of any Tenderer, during the pendency of this contract it is thereby expressly agreed that every receipt by any of the surviving Tenderer/s shall if so signed as aforesaid, be a good and sufficient discharge as aforesaid. PROVIDED that nothing in this clause contained shall be deemed to prejudice or affect any claim which the Commissioner or Corporation may hereafter have against the legal representatives of any Tenderer/s so dying or in respect of any breach of any of the conditions hereof. PROVIDED ALSO that nothing in this clause contained shall be deemed to prejudice or affect the respective rights or obligations of the Tenderer/s and of the legal representatives of any deceased Tenderer/s inter se.
37.	**Dissolution of the Contract:-** The Tenderer/s shall not at any time dissolve partnership in respect of this contract or otherwise, change or alter their respective interests therein or assign, sublet or make over the present contract or the benefit thereof or any part thereof to any person/s whomsoever without the previous consent in writing of the Municipal Commissioner for the time being. In case the Tenderer/s shall at any time commit any breach of this covenant then the Earnest Money Deposit / Contract Deposit shall be forfeited to the Corporation and shall be retained by the Corporation as and for liquidated damages.
38.	**Termination of Contract:** These presents in every clause matter and thing herein contained shall cease and terminated either on the expiry of the contract period or exhaustion of the quantities of

	medicines/medical devices and medical consumables allotted to the Tenderer, whichever is earlier (Unless the same shall have been previously determined by the Commissioner as hereinbefore provided) except only as to the rights and remedies of the parties hereto in respect of any clause or thing herein contained which may have been broken or not performed.
39.	**Jurisdiction of Courts:-** In case of any claim, disputes or differences arising in respect of the contract, the cause of action there at shall be deemed to have arisen in Mumbai and all legal proceedings in respect of any such claim, disputes or differences shall be instituted in a Competent Court in the City of Mumbai only.
40.	**Governing Language:** English language version of the contract shall govern its Interpretation
41.	**Singular – Plural:-** Words in the Singular number shall include the plural and plural the singular.
42.	**Meaning:-** The Word the Municipal Commissioner or Commissioner wherever they occur in this Tender or in the Contract shall be construed to mean Additional Municipal Commissioner.
43.	**Saving clause:-** No suits, prosecution or any legal proceedings shall lie against BMC or any person for anything that is done in good faith or intended to be done in pursuance of bid
44.	**Applicable Laws:-** The contract shall be governed in accordance with the law prevailing in India, Act, Rules, Amendments and orders made there on from time to time.
45.	**Indemnification:-** The contractor shall indemnify the purchaser against all actions, suit, claims and demand or in respect of anything done or omitted to be done by contractor in connection with the contract and against any losses or damages to the BMC in consequence of any action or suit being brought against the contractor for anything done or omitted to be done by the contractor in the execution of the contract. The contractor shall submit an indemnity bond to this effect.
46.	**Operation of the Contract Clauses:-** The DMC (CPD) or his / her successor/s for the time being holding the office of the DMC (CPD) shall be the competent officer to operate the various clauses under this contract and to sign and serve notices under the various clauses of the said contract. All such notices signed by the DMC (CPD) shall be deemed to have been signed by the Municipal Commissioner or the Additional Municipal Commissioner
47.	The Municipal Corporation reserves its right to inspect the manufacturing premises of the

company as and when required.

48. All the above conditions should be strictly adhered to failing which the tender will be treated as non-responsive and no correspondence will be entertained in the matter.

49. Quoted equipments shall be delivered at following locations.

Hospital	Department	Quantity
KEM Hospital	Radiology dept	01 No.
LTMG Hospital	Radiology dept	01 No.
BYL Nair Hospital	Radiology dept	01 No.
HBT Medical College & Dr. R. N. Cooper Hospital	Radiology dept	01 No.
	Total	04 Nos.

Note-Location of delivery of equipment may change.

50. Third party inspection of the quoted equipments shall be carried out by the successful bidder for the equipments manufactured in India or abroad and report shall be submitted for the same at the time of delivery of equipments to BMC.

51. The equipment shall be maintained under 7 years Comprehensive Maintenance Contract (CMC) after completion of warranty period of 3 years.

52. **CE & US FDA Policy**

In order to avoid the ambiguity in acceptance of CE and USFDA certificates from bidders a policy as mentioned bellow is framed in which it is suggested to accept documents for certification and incorporate such a conditions in tender documents.

Tender Condition

For Medical device and In vitro Diagnostics Medical Device

"The equipment must have CE marked from European confirmatory (EC) notified body issued from European address and/or USFDA and documentary evidences to that effects shall be uploaded".

I. CE CERTIFICATION REQUIREMENT FOR PRODUCTS UNDER MDD (93/42/EC)

A. CLASSIFICATION: CLASS Is, Im, Iia, Iib & Class III

1. **CE certificate issued from EU notified body is must for devices under class Is, Im, Iia, Iib & Class III.**

This certificate shall be on letter head of Notified bodies with

a) Body identification number and address of Notified Body,
b) Certificate number and validity of certificate,
c) Product name/line (Quoted product category etc.),
d) Name of appropriate directives

			e) Name and address of manufacturer, f) Product classification, Name of EU representative if any **2. If CE certificate as mentioned (1) above is not for the quoted model and issued for Product specific or general product line, then** a) Shall be accompanied with Declaration of conformity by manufacturer or EU representative of Manufacturer for the quoted model. b) Endorsed (By notified Body) technical documents submitted to notified body mentioning model/s no./s. or List of model/s approved by notified body with classification if any on letter head of notified body. **3. If CE certificate as mentioned (1) above is for the quoted model then also.** a) Shall be accompanied with Declaration of conformity by manufacturer or EU representative of Manufacturer for the quoted model. **Note:** For equipment where other equipments also are part of the main equipment. b) Documentary evidence to show all such equipment/s is/ are covered by single certificate is required from notified body additional to above Sr. No. 1 & 2 or 3. Or Individual certification for each equipment as mentioned in Sr. No. 1 & 2 or 3 above is required. c) If equipment manufacturer by different /other manufacturer is part of supplied equipment as per OEM agreement, then CE certificate issued to manufacturer is required from notified body as mentioned in sr. no. (A) – 1,2,3 along with the copy of OEM agreement
		B.	**CLASSIFICATION : CLASS I only.** This route is self-declaration or self-certification and is described

			in Annex VII Module A, EC Declaration of Conformity. The manufacturer ensures and formally declares, via a written statement, that the products meet the applicable provisions of the Directive. Following Documents are required a. Declaration of conformity by manufacturer or EU representative of Manufacturer for the quoted model. b. Documentary evidence regarding firm registered with EEA (European Economic Area) Competent authority is required or European Representative registered with EEA (EUROPEAN ECONOMIC AREA) Competent authority appointed by firm is required Or Other documents like certificates from notified body along with declaration of conformity is required. **Declaration of Conformity** The declaration of conformity should have follow a. the name and address of manufacturer, b. Notified body Name and address if any with certificate No., c. EU representative of manufacturer if any, d. identification of the product allowing traceability, e. list of relevant directives & Harmonized standards, f. Declaration statement, name and position/job title of person signing (This should be someone with enough responsibility to ensure the declaration is true which is affirmed by their signature and date).
	II.		**CE CERTIFICATION REQUIREMENT FOR PRODUCTS UNDER IVD (98/79/EC) CLASSIFICATION :1)DEVICE FOR SELF TESTING, LIST 'B' & LIST 'A' DEVICES** • CE certificate issued from EU notified body is must. This certificate shall be on letter head of Notified bodies with a) Body identification number and address of Notified Body

			, b) Certificate number and validity of certificate, c) Product name/line (Quoted product category etc.), d) Name of appropriate directives e) Name and address of manufacturer, f) Product classification, Name of EU representative if any. • Shall be accompanied with Declaration of conformity by manufacturer or EU representative of Manufacturer. **CLASSIFICATION :GENERAL IVD** This route is self-declaration or self-certification. The manufacturer ensures and formally declares, via a written statement, that the products meet the applicable provisions of the Directive. a. Declaration of conformity by manufacturer or EU representative of Manufacturer for the quoted model. b. Documentary evidence regarding firm registered with EEA (EUROPEAN ECONOMIC AREA) Competent authority is required or European Representative registered with EEA (EUROPEAN ECONOMIC AREA) Competent authority appointed by firm is required or Other documents like certificates from notified body along with declaration of conformity is required. **Declaration of Conformity** The declaration of conformity should have follow a) the name and address of manufacturer, b) Notified body Name and address if any with certificate No.,

			c) EU representative of manufacturer if any, d) identification of the product allowing traceability, e) list of relevant directives & Harmonized standards, f) Declaration statement, name and position/job title of person signing (This should be someone with enough responsibility to ensure the declaration is true which is affirmed by their signature and date).
	III.	**<u>USFDA CERTIFICATION</u>** **Documents required to be submitted in support of USFDA Certification** Following documents are required for confirmation of USFDA approval certificate a) Approved 510 (k) notification documents for equipment offered model is required or b) Documents to establish the firm and offered model register with FDA is required. **General Condition of tender document will be** • Manufacturer on their letter head needs to provide the link of notified body and/ or USFDA for certificate/s submitted, so that same can be verified from website of Notified body/USFDA.	

SECTION 8 : TECHNICAL SPECIFICATIONS		
TECHNICAL SPECIFICATIONS		
The manufacturer/bidder must quote the latest 'state of the art' 3 Tesla MR System or better as per the specifications below.		
The quoted model must be launched year 2017 onwards.		
The offered model should be USFDA and European CE approved (authentic and legible certificate for the same to be annexed).		
Also, the vendor will guarantee that the system supplied is not refurbished and the MR system quoted is the latest best available model in the segment (3T MR scanner with 70 cm or more bore) quoted, at the time of delivery and should submit an undertaking in this regard.		
Technical Specification as Per Tender		
Sr. No.	**Features**	**Essential Specification**
1	Magnet	3Tesla (superconducting) Magnet with approximately 70 cm or more bore diameter. The magnet should have display for information on coil connectivity, physiological curves, start Scan. Switching off alarms, automatic transfer from different positions. **Magnet should be manufactured from USA/Europe / Japan**
	a) Field Strength	Helium only 3T (superconducting) Magnet along with Facility for quick Shutdown of the magnet in case of emergency.
	b) Field Stability overtime	(i) Should have active shielding, external interference shielding with good field stability. (ii) Mention the RF frequency of operation and the field drift.
	c) Homogeneity	(i) Guaranteed homogeneity of magnet by VRMS method should be given. Specify homogeneity in VRMS at 10 cm, 20 cm, 30 cm and 40 cm DSV and at max FOV achievable with the quoted scanner. (ii) Should be very good for Single voxel and CSI spectroscopy, Specify values
	d) Magnet Bore	(i)70 cm or more magnets bore diameter, after positioning of gradient, shim and RF cons
	e) Active Shielding/ Fringe field	(i) Quote values for 5 Gauss and 1 Gauss line.
	f) Ext. Shielding	Ext. Interference shield (sufficient to house the Magnet, Anesthesia and Physiologic monitors should be provided
	g) Magnet Cooling System	(i) The magnet should be having zero boil off rate. (ii) Devices for helium level monitoring in the magnet should be supplied. (iii) Liquid helium should be supplied during warranty period and Comprehensive CMC
		(iv) The vendor should include the Cold Head maintenance and replacement during warranty period and during Comprehensive CMC
	(h) Shim System	(i) High performance and highly stable shim system with global and localized manual and auto shimming for high homogeneity magnetic field required for imaging (MRI/ fMRI), single voxel spectroscopy (MRS), and spectroscopic imaging (MRS), 3D shimming for volume imaging and CSI. (ii) Auto shim (global and voxel shim) should take minimum time to

		shim the magnet with patient in position (specify the time). (iii) Specify number of shim coils including higher order. (iv) Second order /High order shimming should be standard
2	Patient Table	(i) Computer controlled subject table movement in vertical and horizontal direction. (ii) The vendor should supply fully motorized computer-controlled table, with movements in vertical and horizontal directions for the main MRT patient table. (iii) Subject table should be able to take at least 140 Kg load. (iv) Emergency manual Traction of the subject from the magnet.
	b) Patient monitoring	(i) Patient monitoring devices for ECG, respiratory, pulse rate, oxygen saturation, ETC02 at the console etc. A comprehensive solution at patient side and at main console capable of gating the sequence protocols with respect to patient's heart (ECG) and respiratory rates.
	c) Patient Comfort Features	(i) Two-way Patient communication with headphone, microphone and necessary accessories.
		(ii) Patient audio alarm
		(iii) Lighting
		(iv) MR compatible Music system (complete) should be able to play inside the gantry
		(viii) Provide other standard patient comfort devices, with quoted system (please specify)
3	Gradient System a) General	(i) Actively shielded gradient system in X, Y, Z planes.
		(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.
		(iii) Quote the Slew rate at the maximum gradient strength
		(iv) Specify the linearity of the gradients at full FOV.
		(v) 100% duty cycle for full FOV.
	b) Resolution Parameters	(i) Specify the minimum and maximum FOV achievable for the quoted MR system (preferable to have 10 – 500 mm FOV).
		(ii) Specify min. slice thickness in 2D and 3D modes at 128x128. 256x256. 512x 512 and 1024x1024 matrices
		(iii) The system should be capable of performing single shot EPl in 64x64, 128x128, and 256 *x* 256 matrixes) including Conventional and fluoroscopic imaging in the three orthogonal and also oblique planes.
		(iv) Effective cooling system for gradient coil and power supply for uninterrupted operation during summers also. The system should have efficient and adequate provision for eddy current compensation.
4	RF Transmitter, Receiver, Coils	The vendor should quote the latest RF transmit technology available with them globally, as per the data sheet.
	a) RF	(i) A fully digital RF system capable of transmitting enough power

	Transmitter	(please quote the value) (as per FDA guidelines), and the operatingfrequency should cover 1H.
		(ii) Specify max. transmitter RF power available (at 50 ohm impedance)
	b) RF Receiver	(i) Optical/ Digital RF receiver system with/ high efficient RF receiver system / or its equivalent located on the magnet inside the shielded active room.
		(ii) System should have 64 independent RF receiver channels (which can be demonstrated) Please provide the list of coils/coil-combinations that use this configuration.
		(iii) Specify the RF receiver bandwidth for each channel.
		(iv) The system should have necessary hardware to support quadrature phased array and flex coils.
	c) RF Transmit Technology	(i) Latest RF transmit system (like Multi-transmit/ Multi Drive transmit system/ Trueform) with at least two independent output channels should be offered to improve B1 uniformity and signal homogeneity and to reduce patient induced in-homogeneities
	d) SAR limits	(i) SAR limits should be as per FDA guidelines. for all protocols, including neuro/ abdominal imaging.
	e) Coils	(i) The number of channels and number of elements for each coil should be the maximum that the vendor has in their Product list. All coils (other than coils for exclusive spectroscopy, like surface coils) should be compatible for parallel acquisition. In case the vendor does not have or manufacture a particular coil, third party coil(s) can be provided. However, it is the responsibility of the vendor to provide necessary interface (both hardware and software) to make the coil work with appropriate RF sequences, etc.
		(ii) Head coil (48-channel or more)/ 64 Channel Head Neck in single scannable FoVfor high resolution brain, brachial plexus, nerve imaging, EPI/ DTI applications, Compatible with fMRI projection device quoted with the system. The coil should have built in shim arrangement for high resolution.
		(iii) Separate coil for Head neck at least 20 channels or more for routine brain/ Neurovascular exams should also be quoted as standard.
		(iv) Spine array coil (32 Channel or more) with built in sensor or equivalent for motion detection
		(v) Body array coil *I* Phased Array coil with at least 44 Channel imaging for maximum Z-axis FOV of 50cms in combination with spine and single or combination of anterior coils.: 2 Nos.
		(vi) Dedicated Shoulder array coil (16 channel); If a dedicated coil is not available with the vendor, then the vendor has to quote equivalent coil (for e.g., if Flex coil is offered, then the number should be in addition to the previously quoted coil
		(vii} Dedicated Wrist coil (16 channel)
		(viii) Dedicated Knee imaging Transmit/Receive 15 Channel or more
		(ix) Eye/ear coil
		(x) Flex coils in available sizes (minimum 2) for extremity imaging at least 16 channels
		(xi) Dedicated foot/ankle coil, minimum 16channel or more
	f) Coil Technology	(i) Integrated coil technology, latest as available with the vendor to be quoted: Equivalent of TIM / GEM/ D Stream or equivalent to be offered.

	g) Table technology	(ii) Bolus chasing with automatic/continuous moving table should be offered and should be available with fluoro triggered MR angiography for manual and fast switchover in less than 1 sec for CE-MRA.
		(ii) Latest table technology available with the vendor (globally) should be offered.
5	Computer Control System	(i) The vendor should supply the latest computer system along with the MR system, to handle all the latest applications available on the MR platform.
		(ii) During the warranty period, any software updates that are Launched globally should be supplied and installed.
	a) Host Computer and Array Processors	(i) latest state-of-art computer system with sufficient RAM (32 GB or more) and computational speed to match the single shot Echo Planar Imaging (EP1), interactive angiogram, multi-planar Three-dimensional (3D) reconstruction, surface rendering and dynamic imaging, vascular imaging/angiography, and adequate storage for images and other Applications.
		(ii) Necessary image processor with sufficiently large RAM
		(iii) (4 GB or more) for ultra-fast image reconstruction, capable of performing real time image reconstruction.
		(iv) Total hard disk memory capable of storing a minimum of 2,00,000 (two lakh) images
		(v) Monitor 19" or more Medical grade monitor (3MP) with enhanced graphics accelerator.
		(vi) One measurement (Main) console capable of data acquisition and all online calculations (as required for all sequences in the tender, section 6), and Post processing (as required for all applications in the tender, section 7).
		(vii) Licenses for acquisition (as required for all sequences in the tender, section 6), post processing and for special packages should be given explicitly (as required for all applications in the tender, section 7), listing all the capabilities of the vendor's quoted product basic standard package, premium packages, etc)
	B) Additional workstation	**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. DICOM 3.0 compatibility and interfacing with other modalities must be possible. **CONFIGURATION**: 1 no. Server and 5 Clients/Nodes. **Licenses:** **5** user licenses for **basic** applications to be provided as standard. 2 Concurrent licenses with the capability to process all the loaded software including ALL the advanced post processing applications to be accessible and usable on both the clients/ nodes simultaneously without any processing delay. The software should also include a reputed antivirus software of a perpetual type or renewed by the supplier. Advanced post-processing offered applications including perfusion quantification, advanced diffusion and DTI, advanced cardiac evaluation (EF, Calculation, Wall motions, analysis) including

		perfusion analysis, processing of 2D/3D CSI data, with color metabolite mapping, parametric images from the image intensity variations over time, vascular analysis package, two clients concurrently for each application. **Hardware:**Each Client / Node: CPU unit, minimum 16 GB RAM, Two Medical grade monitors of 2MP resolution & size - 21" or more in dual monitor setup, mouse, keyboard. **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. All latest available software for updates of the system for this centre should be available for free of cost for the next ten years.
	c) CD/DVD archival	(i) DVD RW drive for writing of images, spectra and raw data along with the necessary software for reading the images and spectra on DVD/CD storing capabilities.
		(ii) Provision for archival of k space data and raw (unprocessed) Images.
	d) Networking	(i) The vendor should provide Level 3 network Switch (with 32 nodes) or latest, to integrate the network,
		(ii) Protocol Ethernet TCP/IP standards-based image transfer with D1COM 3.0 over standard Ethernet IEEE 903 (DICOM send, receive and DICOM query modes).
		(iii) The vendor should provide the connectivity with PACS, with the user departments, as mentioned in Item No. 10 of this tender.
		(iv) The network speed and cables should match the latest industry standards (e.g. 10 BaseT/100BaseT/ 1 GB)
		(v) System should be configured with different IP series, so as not to clash with different equipment already existing in different departments.
		(vi) The vendor should provide necessary networking and configuration assistance with existing PACS, HIS, RIS.
6	a) Data Acquisition	(i) The system should be capable of 2D and 3D acquisitions in conventional, fast & ultra-fast spin echo and gradient echo modes so that real-lime online images ran lie observed if needed. All the sequences that are available with the vendor at the time of quote/ delivery should be provided as per their manual.
		(ii) 2D multi slice imaging should be possible in all planes (axial, sagittal, coronal, oblique and double oblique)
		(iii) Up to 1024 x 1024 matrix acquisitions preferred for all applications. Wherever 2048 matrix available, please mention.
		(iv) Half Fourier or other techniques to reduce scan acquisition lime while maintaining adequate SNR.
		(v) 3D volume, multiple contiguous slabs, multiple interleaved and multiple overlapping slabs
		(vi) Slice thickness in 2D and partition in 3D to be freely selectable.
		(vii) Dynamic acquisition (serial imaging) with capability to initiate scan sequences either from the magnet panel or from the console.

		(viii) Dynamic acquisition; number of repeat scans with delay time either identical time interval or selectable
		(ix) Auto slice positioning from the localizer images.
		(x) Maximum off-center positioning both anterior posterior and lateral direction and should be selectable.
		(xi) Gating: physiological signals like ECG, pulse, respiratory', External signal triggering (interlace for triggering input pulse from external source). The provision should be available at the console also (for FMRI, EEG etc.).
		(xii) Simultaneous acquisition, processing and display of image data in 2D multi-slice mode.
		(xiii) Selection of voxels from oblique slices should be possible while doing spectroscopy.
		(xiv) Artifact reduction/imaging enhancement/image filtering/ image subtraction/addition/ multiplication/division techniques:
		(xv) Flow: 1st and 2nd order flow artifact compensation
		(xvi) Presaturation slabs: a number of relocatable saturation bands to be placed either inside or outside the region of interest
		(xvii) Fat saturation techniques: frequency selective RF pulses to suppress fat signals in the measured image FOV. ROI selective (regional) fat suppression should also tie Riven.
		(xviii) Magnetization transfer saturation: Off resonance RF pulses to suppress signals from stationary tissue in FOV
		(xix) Phase contrast capability in 2D and 3D mode.
		(xx) Image intensity correction
		(xxi) Breath hold acquisition
		(xxii) EPI mode
		(xxiii) DTI with MDDW or equivalent with a minimum of 12 and selectable up to 128 direction encoding
		(xxiv) Data acquisition in all three standard planes (axial, sagittal, coronal and oblique and double oblique planes or more oblique planes.
		(xxv) Higher matrix acquisition capability in single shot EPI. Acquisition time. TR, TE and slice thickness should be clearly mentioned and supported by data sheet reference.
		(xxvi) The vendor should offer multi coil acquisition in order to Optimize throughput increase and increased effective FOV. Individual acquisition elements of every coil should be Mentioned.
		(xxvii) 4 phase water and fat composed images with phase in and phase out technique (IDEAL DIXON or equivalent) should be included.
	b) Imaging Pulse sequences	(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 WIP.
		(ii) The system should be capable of selecting TR and TEs as per requirement in majority of the pulse sequences.
		(iii) Spin echo (SE): multi-slice single echo, multi-slice multi-echo (8 echo or more), SE with symmetrical and asymmetrical echo intervals and fast spin echo. MT-SE imaging sequence.
		(iv) Inversion recovery (IR): including short Tl modified IRSE, FLAIR,

		DIR (Double Inversion Recovery).
		(v) Gradient echo (GE): with transverse gradient/RF spoiling, and transverse gradient re phasing, e.g., GRASE or equivalent etc. 3D gradient echo with shortest TR and TE, free choice of flip angle selection, while maintaining SNR.
	Fast sequences	(i) Fast spin echo and GE sequences in 2D and 3D mode with T1, T2 and PD contrast capable of acquiring maximum number of slices with a given TR a minimum TE, echo train should be at least 128 or more in fast spin echo mode
		(ii) Half Fourier acquisition capabilities should be available with/without diffusion gradients and in combination with fast spin echo
		(iii) Fast inversion recovery with spin echo
		(iv) Fast gradient spin echo IR multi-slice multi- echo mode with maximum ETL. Sequences should incorporate RF focusing to acquire ultra-fast gradient spin echo.
		(v) Fast gradient echo sequence should incorporate RF spoiling and other technique to acquire images in ultra-fast 2D and 3D modes.
		(vi) Fat and water suppressed imaging sequences.
		(vii) EPI optimized sequences (with and without fat suppression)
		(viii) For T1, T2, PD imaging, perfusion, regular diffusion values (at least 5b,3 directions) EPI FLAIR. EP1-IR. EPI FLAIR diffusion tensor, EPI MT FLAIR, tensor diffusion |at least 16 b values, and 128 directions) and diffusion studies. Suitable artifact/ fat suppression techniques to be incorporated in the sequence to have optimum image quality.
		(ix) There should be capability of calculating ADC map (isotropic and anisotropy from the regular diffusion and tensor data).
		(x) Optimized sequences for special applications.
		(xi) Multi-band EPI: Simultaneous Multi Slice Accelerate Advance applications for Neuro & Body.
		(xii) System should be offered with SENSE / SMASH / I-PAT Plus/ ASSET/GRAPPA or equivalent technique with up to factor 4 or better in 2D and 3D of real acquisition time reduction in all sequences. Please specify compatibility with sequences, Scan techniques and gating techniques clearly
	Optimized sequence Packages	Mention all available packages
	c) Neuro	(i) All T1 (2D, 3D), T2 (2D, 3D), IR (2D, 3D), Dual IR (2D, 3D) sequences
		(ii) Sequence for internal ear imaging for visualization of fine structures like cranial nerves (appropriate sequences like CISS, etc. or equivalent. Mention the sequences provided.
		(iii) 3D sequences for internal auditory canal imaging
		(iv) Dynamic imaging of pituitary using appropriate sequence
		(v) Whole spine T1, T2, IR sequences
		(vi) Whole neuro examination with automatic' planning, scanning and post processing, with single localizer positioning, without changing the coils/ repositioning
		(vii) SMS (Simultaneous Multi Slice Imaging)
		(viii) 2D /3D ASL
		(xi) T1 Permeability with IAUC, kTRANSetc

		(x) T2* Perfusion imaging of brain and other body parts with automated software for rCBV, rCBF, TTP etc analysis with color map generation .
		(xi) Susceptibility weighted imaging equivalent to SWAN-II/SWI/SWIp
		(xii) T2 Relaxometry and volumetry for Hippocampus- Fully automated volumetric software like neuro quant/ morphometry to be provided.
		(xiii) Advanced Spine Applications package for nerve root analysis. Auto spine labelling software.
		(xvi) MR neurography software Nerve view/3D Space Neurogram/3D Cube STIR/Cube Flex
		(xv) Complete FMRI Software and Hardware package including paradigm generator and accessories.
	d) Angiography	i) MR angiography: 2D/3D TOF, 2D/3D Phase contrast with and without gating) and magnetization transfer saturation, black blood angiography for cerebral, pulmonary, abdominal and peripheral vessels.
		(ii) For peripheral moving table angiography should he offered covering hip to limbs to be examined in one go with high resolution and high SNR.
		(iii) Bolus tracking software package.
		(iv) Sequences for breath hold angiography with contrast enhancement.
		(v) Sequences for time resolved angiography with contrast Kinetics.
		(vi) ECG triggered non contrast angiography.
		(vii) Contrast bolus tracking (including single shot whole body MRA, interactive and automatic tracking, etc.).
		(viii) Perfusion study in organ systems like kidney, brain, etc. with T1 perfusion with permeability maps, and quantitation of rCBF/ rCBV, MTT, etc., with color maps.
		(ix) Contrast as well as Non contrast enhanced peripheral angiography for arterial flow with Native/Trance/inhance sequences.
	e) Diffusion /DTI	(i) Sequence package for diffusion including DTI (tractography) study in organs like brain, kidney, muscle, heart, spine, breast, etc.
		(ii) There should be capability of calculating ADC map (isotropic and anisotropic from the regular diffusion and tensor data).
		(iii) MR diffusion tensor imaging package with tractography.
		(iv) Application for high resolution for small FOV diffusion imaging
		(v) Whole body diffusion weighted imaging with background suppression (DWIBS)
		(vi) B value of at least 10000 or more in at least 32 directions
	f) Body Imaging	(i) Flow quantification in vessels and CSF, hepatobiliary system
		(ii) Fly through facility with Flow analysis including display of various velocity values.
		(iii) Optimized breath hold sequences for abdominal studies including angiogram.
		(iv) MR Cholangiography and Pancreatography: Specialized sequences and processing to perform MRCP.
		(v) Pulmonary 2D/3D MRA sequence, including single breath hold sequence.
		(vi) MR ventriculography, cisternography, myelography.
		(vii) Single sequence to acquire four different contrast (in phase, out of phase water only, fat only). The same technique should be used in other sequences, for dynamic portography / T1 quantitative analysis.

		(viii) Advanced Parallel acquisition techniques including new sequences. Specify the technique used and the factor by which the acquisition time is reduced for similar acquisition with and without parallel imaging technique. Mention the sequences.
		(ix) Flow quantification packages for CSF with dynamic CSF flow imaging, aqueduct and spinal canal.
		(x) Radial/Spiral pulse sequences for ultrafast imaging.
		(xi) Suitable artifact/fat suppression techniques to be incorporated in all the sequences to have optimum image quality.
		(xii) A sequence for differentiation of fluid and carriage in ortho applications (sequence like DESS or equivalent)
		(xiii) Susceptibility artifact correction techniques to be incorporated in all the sequences to have optimum image quality.
	g) SWI	(i) Sequences for susceptibility imaging
	h) Prostate Imaging	(i) Sequences for imaging of prostate including diffusion , multiphasic dynamic contrast enhancement , spectroscopy .
	i) Whole Body Diffusion and STIR, Angiography	DWIBS OR equivalent, whole body imaging using Inversion recovery sequence, Whole body MR angiography
	j) m-Dixon	(i) Provide sequences like m-Dixon for all applicable sequences, m Dixon - HD or 3 Point DIXON.
	k) Motion Correction	(i) Sequence for in-line motion correction for uncooperative patients/ children (with software and acquisition sequences like BLADE. PROPELLAR, Multivane or equivalent.
		(ii) Sequence with ultra-short TE
		(iii) Sequence for nullifying CSK pulsation artifacts
		(v) Whole body imaging (using body coil and surface coils)
		(vi) Whole body diffusion weighted imaging (using body coil and surface coils)
		(vii) Automated fusion and composing for the above two (without any artifacts)
		(viii) Volume acquisitions for Neuro applications
	l) MR Spectroscopy	(i) System should have capability to perform multi planar proton spectroscopy.
		(ii) Proton MRS Sequence for single-voxel acquisition, with selectable fat /lipid saturation bands, options of water saturation (e.g. VAPOR, CHRSS, etc.) with all post-processing software,
		(iii) Proton Multi-voxel CSI |2-D and 3-D] acquisition and metabolite mapping with all necessary RF sequences (and post processing algorithms) with all post processing software
		(iv) If separate coils arc needed for carrying out MRS, it should be provided.
		(v) RF sequences for prostate, liver, musculoskeletal and brain (if there are any specialized / optimized sequence available, the same should be offered)- with all post processing software
		(vi) Water and lipid suppression in automated sequences.
		(viii) Full post-processing for single voxel MRS, CS1 (multi-voxel MRS), metabolite mapping with color coding (metabolic images) etc., for brain, prostate and for other applications. Post processing should include FFT, base line correction, curve optimization, automatic phase correction, metabolite imaging, spectral mapping, magnetic- resonance

		spectroscopic imaging (molecular imaging) with naming and peak integral values for all in vivo metabolites.
	m) Cardiac package	Complete cardiac package including advanced software VCG gating with Arrhythmia rejection techniques, Morphology/wall motion,Cine perfusion imaging and Myocardial viability imaging, Advanced automatic Cardiac Ventricular Measurement Analysis,Cine Cardiac Tagging Techniques ,Coronary artery techniques, 2D/3D fast field echo/balanced/steady state techniques, T1, T2 AND T2* MAPPING Complete cardiac evaluation package to be included in the workstation.
	n) Breast Package	Complete breast package including advanced software and Breast coil Advance package including diffusion, spectroscopy and perfusion with time intensity curve and biopsy.
	o) Hepatobiliary package	Hepatobiliary Sequences and evaluation software for Fat Quantification in Liver and Iron Quantification to be provided. 2 point& 3 point DIXON ie. MDIXON Quant. THRIVE, LAVA XV, VIBE or equivalent for multiphasic liver studies to be offered. Liver imaging with DISCO/ FREEZE WITH TIST VIBE / D Sense Factor or equivalent should be included.
	p) MRI Elastography	Complete MRI Elastography software and hardware package including all advanced post processing software.
7	Post Processing and evaluation	(i) Licenses of all the post processing and evaluation packages should be provided for the main and additional console/ Workstation.
		(ii) Specify clearly number wise the algorithms that need licenses and a statement whether these have been provided in both the main console and the additional workstation (Satellite console/ extended workspace).
	Special Application Packages.	(i) The vendor must provide their specialized and optimized imaging sequences In the Main Acquisition Console; Post processing packages in the Main Acquisition Console and additional workstation.
		a) Neuro (Smart exam/Ready Suite/ Smart Brain/ etc.),
		b) Body
		c) Oncology,
		d) Angio (including DSA approach, capturing arterial, capillary and venous phases in a single acquisition with a single bolus)
		e) Ortho and MSK, Advanced version of Metal artifact reduction software should be provided as standard for imaging of joints with prosthesis and implants. Cartilage mapping with color coding and parametric maps should be provided .
		f) Liver (including 3D T1 Fat sat for dynamic liver imaging)
		g) Pediatric
		h) Breast
		i) Prostate
		j) Necessary composing software for whole body applications. Smart Exam/ Smart Brain/ Ready Suite/Brain Dot Engine/ equivalent

		technique should be quoted in all available imaging packages.
	i) MPR	(i) Multi planar reconstruction (MPR) in any arbitrary plane including curved planes with freely selectable slice thickness tend slice increments.
		(ii) Surface Reconstruction and evaluation on reconstructed images with minimum time.
		(iii) MIP in displaying in cine mode 2D and 3D mode, Targeted/segmented MIP in any orthogonal axis with minimum processing lime and capable of displaying in cine mode.
	ii) ADC, perfusion, etc.	(i) Evaluation and display of diffusion images, ADC map, fMRI in reference of EPI optimized sequence.
		(ii) Perfusion image evaluation with time intensity graph and other statistical parameters.
		(iii) Evaluation package for calculating rCBV, rCBF, MTT, perfusion map, corrected CBV calculation; Fusion of perfusion map with Contrast enhanced 3D T1 images etc. Mention the package /software offered with brochure.
		(iv) Flow quantification and evaluation far vascular (high &. low) CSF, bladder outlet and cine display.
	iii) Arterial Spin Labeling	2D / 3D ASL processing and quantification package in main console/additional workstation
	iv) Liver Segmentation	Automatic Liver segmentation and volumetric analysis software.
	v) Tractography	Post-processing package for DTI and Tractography, estimation of ADC, FA (Lambda parallel, perpendicular separately and combined), Fiber tracking, fiber statistics, and display of fiber tracts on anatomical images
	vi) Image statistics	(i) Measurement of distance, area, volume, angle, mean, SD, image addition, subtraction, multiplication, division, interpolation, segmentation, threshold, histogram.
		(ii) Image filtering and Image fusion software.
		(iii) Software for co registering MRI/ fMRI/ MRS/ Metabolite mapping images with images from CT, PET, and SPECT.
		(iv) Evaluation features like zoom, rotation, scroll, roaming, image synthesis, multi point Tl and T2 calculation (more than 8) window stretching, text dialogues graphics, sorting, search, archiving, recalling etc.
	vii) Advanced organ specific imaging	Any advanced organ specific imaging with automatic planning, scanning and post-processing application should be quoted.
	viii) Silent MRI	Silent MRI for neuro protocols including T1W, T2W imaging without any loss of image quality on all sequences (like Neuro Silent/ Sllenz, or equivalent), with noise less than 80 db. The quiet scanning should be without loss of SNR.
	ix) Advanced Compress Sensing imaging	System should have the Advanced Compressed Sensing Imaging for high speed image acquisition for brain, body, MSK. Also offer simultaneously multi slab acquisition for diffusion and fmri of the brain.
8	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 (at least 40 KVa) UPS and Voltage stabilizer with 30 mins backup for the

		other local supply items/equipment's.
9	RF Cabin	The system should be supplied with the RF cabin with RF room shielding, RF Door, RF window, and Interiors for the same should be carried our suitably.
10	Safety features,Quality assurance and phantoms	(i) The magnet system should include an Emergency Ramp Down unit (ERDU) for fast reduction of the magnetic field with ramp Down time below 3 minutes (ii) The magnet should have quench bands that contain the fringe fields to a specified value in the event of a magnet quench (iii) Real time SAR calculation should be performed by software to ensure that RF power levels comply with regulatory guidelines and are displayed on each image (iv) The system shall have manual override of the motor drive for quick displayed of the patients for the magnet bore (v) Temperature sensor (built in) for magnet refrigeration efficiency must be provided (vi) A CCTV system with color LCD/LED display to observe the patient transfer should be provided in the magnet room. (vii) Phantoms for routine quality assurance for all coils (including body coil) (viii) Fire Fighting System, Smoke Detectors in all rooms (except RF cabin) and 6 Fire Extinguishers all MRI Compatible (ix) Door / wall mounted Zone 4 Ferromagnetic detectors before entry into the magnet room : 1 set . (x) Physical barrier / bollards to prevent direct entry of external metal objects into zone 3 / 4 : 2 sets
11	Standard MRI Accessories	(i) Rechargeable Handheld metal detectors (2 Nos.)
		(ii) Walk through Metal detector with multiple sensor and multiple location LED (Zone III type) - 01 no
		(iii) MR compatible Patient monitor and MR compatible Syringe Infusion pump. (2 Syringe Infusion Volumes) (Annexure A1)
		(iii) High Standard Ferro Guard should be installed at entrance of MR room to detect/alert ferromagnetic articles.
		(iv) MRI Compatible Dual Syringe Pressure Injector: Independent dual Syringe Pressure Injector with following Features; Non-ferrous, automatic syringe size detection, performs single and dual phase contrast Injections, provides Saline flush delivery. (100 Nos of 50 ml Syringes with 100 nos. of tube connectors should be provided) Must be able to observe progress of Injection and view injection result at the working console.
		(v) MR compatible anesthesia machine (Specifications are mentioned separately: Annexure A)
		(vi) Two quantity: Non-magnetic IV stand
		(vii) Two quantity: Digital Patient Weighing Scale (in the range between 0 to 200 kg)
		(viii) MR compatible storage carts and wall mounted cabinets.
		(ix) Adequate number of Coil cabinets to be provided.
		(x) Network cable and other required materials for the complete installation to be provided by the supplier
		(xi) MR compatible crash cart 1 no.

		(xii) MR compatible instrument-trolley - 1 no.
		(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.
		(xiv) MR compatible wheelchair (Wardray/equivalent model) (with cushion, backrest and anti-rest) - 2 no.
12	Antivirus s/w and Web updates	(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 .
		(ii) The vendor should provide antivirus updates for entire life of the system and make sure of the updated antivirus every week using automatic- updates with internet facility by the vendor
		(iii) The vendor should ensure that all the above modalities include necessary connection, image & work list send/receive, image and data storage, scheduling, patient registration, and synchronization functions as per DICOM standards for smooth and effective integration to RIS/PACS
13	Other accessories	(i) Ten chairs with arm rest with medium back without casters (Godrej/Geeken make)
		(ii) Table for the MRI console, MRI additional console/ Workstation. fMRI workstation.
		(iii) Necessary Desk, chair and Rack for the Image Server & Workstation to be provided by the supplier
		(iv) All the necessary interconnecting interfaces, cables, modules and other hardware and software to fully integrate the system for full operational status.
		(v) Uninterrupted power supply (UPS) with sufficient capacity' (appropriate rating as required for MRI and chiller) for 30 minutes back up of the full load MR system and its accessories during patient MR imaging.
		(vi) Two (quantity) MR compatible oxygen cylinders (for the anesthesia system)
		(vii) Good quality air curtain at MRI entrance (for patient entry), to filter the dust and prevent the leakage of a/c.
		(viii) Two high quality LED projector for conference room of reputed brand like Sony orequivalent.
		(ix) Four Laptops with latest operating system (specifications to be discussed with department of Radiology) for viewing the images, reporting and making teaching presentations.
		(x) 2 Qty - Osirix Medical Images Viewer (FDA Approved), with Apple iMac 24 inch screen (16GB RAM, 512GB SSD, Radeon ProGraphics 5500_4GB GDDR6, Magic keyboard, Mouse) and Osirix MD software with two licences.
		(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 .
		(xii) Adequate coverage of the MRI installation by CCTV cameras(minimum 5 nos)
		(xiii) MRI Compatible ECG electrodes (100 Nos., Disposable Electrodes for MRI Image gating)
		(xiv) MRI compatible Magill forceps: Adult & pediatric size- Two each
		(xv) Stylet for endotracheal tube: Adult, pediatric size- Three each
		(xvi) MRI compatible 1 set of Laryngoscope
		(xvii) MRI compatible Clamps 2 Nos: Either towel clip or artery forceps.
		(xviii) MRI Compatible ECG electrodes (100 Nos., Disposable Electrodes for MRI Image gating)
		(xix) LED – 4 films view box for 14" X 17" film size – 5 No.s
		(xx) MRI compatible pulse oximeter – 1 No.
		(xxi) Dictation software – Dragon Medical Pro / Augnito with 5 licenses for the entire period of use of MRI machine
		(xxii) 1 colour paper printer
		(xxiii) 2 black and white paper laser printer cum scanner.
		(xxiv) 4 black and white paper laserjet printers.
		(xxv) MRI Compatible Stethoscope – 2 nos.
		(xxvi) Disposable Ear Pads & Ear Plugs to reduce noise while imaging in children & adults –5000 Nos
		(xxvii) Two dehumidifiers for an area of 700 Sq feet
		(xxviii) One number 4k LED smart TV (minimum 65 "size) for conduction of academic activities like webinar and seminars.
14	Training	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.
15	Special Conditions	Please see Annexure for special conditions, including warranty and CMC.
	1	Original Product Datasheet of main unit and all accessories, including third party items to be provided.
		All agreements should be binding on Principal. The principals should be responsible for any lacuna or deficit in service or supply.
	2	All items in the supply order should be supplied during the time of installation. No exceptions will be allowed.
	3	Items under Research Agreement should be finalized well in advance after receipt of supply order), so that there is no delay in delivery of software or coil or any other accessories.
	4	Software updates [where hardware upgrades are not required) should be provided within one month after release worldwide (any country, viz. North America / Europe / Germany, etc.). In case, the same is not provided in time, the parent company should undertake the responsibility to implement the same. This is to make sure that the machine stays updated with similar products for entire life of the system.
	5	System should be regularly maintained at latest computing platform. If hardware required for the same, should be provided at no cost during entire life of system.
	6	Any exclusive items available with the vendor should be quoted as an option. The price of the same will not be considered for L1 purposes.

	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 (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.
	2	Note: any Liquid Helium filling, due to quenching or due to any other causes during the warranty period shall be borne by the firm. (except purchaser fault)
	POST GUARANTEE ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT (CMC):	
	1	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. 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 .
	2	Note any Liquid Helium filling due to quenching or due to any other causes during the CMC period shall be borne by the firm. (Please review – will be a costly affair)
16	MRI COMPATIBLE ANAESTHESIA MACHINE, MRI COMPATIBLE INFUSION PUMP &MRI COMPATIBLE MONITOR – as per Annexure A1.	
17	SITE MODIFICATION WORK - 3 T MRI SYSTEM – for 3000 square feet area	
	ANNEXURE A1	
	SPECIFICATION FOR MRI COMPATIBLE ANAESTHESIA MACHINE , MRI COMPATIBLE MONITOR AND MRI COMPATIBLE INFUSION PUMP	
	MRI COMPATIBLE ANAESTHESIA MACHINE SPECIFICATIONS (Drager/ Damaica /Penlon/ GE or equivalent)	
	Should be MRI compatible at 3 T, antistatic, heavy frame & base with good quality castors with front brakes, with following features:	
	1.	Three gas model, viz Oxygen, Nitrous oxide and Air
	2.	Should be compact, ergonomic, easy to use and easy to maintain.
	3.	Should have separate fresh gas outlet for use in open circuit.
	4.	Machine should have flow matters for Oxygen, Nitrous oxide and air. Emergency oxygen flush should be available. There should be facility to select oxygen air or oxygen nitrous oxide with the help of a separate switch or knob.
	5.	Dural flow sensing capability at inhalation and exhalation ports.
	6.	Should have paramagnetic /galvanic cell oxygen sensors. In case of galvanic cell sensors, the firm should supply free sensors for the entire warranty period of 3

		years. In case of paramagnetic sensors, the firm shall ensure that there is no down time during repair of these sensors (if necessary) and provide a standby alternative.
	7.	Shall have back-up O_2 control which provides an independent fresh gas source and flow meter control in case of failure.
	8.	Pressure regulators shall be of modular design.
	9.	Should have oxygen fall-safe device & an auxiliary built in oxygen flow meter.
	10.	Electronic or Mechanical Hypoxic Guard to ensure minimum 25% O_2 across all O_2 N_2O mixture and Oxygen Failure Warning.
	Vaporisers:	
	1.	Facility of mounting minimum two Vaporizers, latest technology, key filler, selected type, tool free installation, meaning any vaporizer of our choice can be mounted at will with interlocking facility. It should be preferably of the same make as that of machine.
	2.	Temperature, pressure and flow compensated with high accuracy of delivered concentration of volatile anesthetic agent, should be maintenance free.
	3.	Two vaporizers should be supplied (Isoflurane, Sevoflurane)
	Ventilator:	
	1.	The machines should have an integrated Anesthesia Ventilator system, facility to vary respiratory parameters and should be able to ventilate adult and pediatric patients including infants.
	2.	Ventilator should have Controlled, manual, spontaneous modes and provision for PEEP
	3.	Tidal volume (inspired and expired), respiratory rate, I: E ratio, minute volume, Airway pressure, & FiO2 should be continuously displayed.
	4.	Should have Tidal volume and fresh gas compensation mechanism
	5.	Audio-visual Alarms for high and low settings of pressure, volume and disconnection should be present.
	6.	Tidal Volume (VT) 20-1500ml. (Volume Control). Rate at least 4-80 BPM.
	7.	Inspiratory /Expiratory ratio (I:E) 2.1 to 1.6, & Peak Flow – 100 to 1201/min.
	8.	Ventilator should have at least 30 min rechargeable battery backup for ventilator.
	9.	Machine should have an integrated breathing circuit with circle absorber of good quality, easy to clean, autoclavable, fewer parts to reduce leaks.
	10.	Machine should have mounting capability of one O_2 and one N.O pin-indexed cylinder.
	11.	Adult (2 sets) breathing circuits & one pediatric circuit to be provided.
	MRI COMPATIBLE MONITOR	
	Specifications for MRI compatibility:	
	1.	Monitor should be equipped with MRI shielding and set to Remote Communication Mode.
	2.	Should be MRI safe at 5,000 Gauss, 3.0 Tesla and 4 W/Kg SAR
	3.	System should include fiber optic SPo2 finger sensor, MRI compatible ECG Patient Leads and electrodes, NIBF cuffs, hoses and etCO2 sampling kit and temperature probe
	General specifications for monitor:	
	1.	The monitor should have adult and neonatal applications and should be user friendly.
	2.	It should be capable of monitoring ECG, noninvasive blood pressure, oxygen saturation (SpO_2), ETCO2 and temperature
	3.	It should have an internal battery which should last for 30-40 min.

	4.	It should be operational at wide temperatures (10^0C to 40^0C) and humidity (20% to 90%)
	5.	It should have a facility of 24 hours data storage of trended parameters and trend graph of 1, 2, 3, 6, 12 or 24 hours display format.
	6.	Should have a facility to deactivate all the alarms if necessary.
	ECG monitoring: Essential specifications:	
	1.	Available leads: I, II, III, V, AVR, AVL, AVF with facility for recording 12 lead ECG.
	2.	Should display one or all the selected leads at a time
	3.	Accuracy of + 5% of the rate.
	4.	Monitor Mode: Digital Signal Processing (DSP)
	5.	T-wave suppression for high field MRI
	6.	Should have arrhythmia monitoring facility:
	7.	Should have user selectable alarms.
	8.	Heart rate measuring range 15-300 beats/min.
	Pulse Oximeter (SpO_2)	
	1.	Should provide a digital value of the arterial oxygen saturation as well as diagnostic plethysmography pulse waveform.
	2.	Measurement range: 0% to 100%
	3.	User selectable upper and lower alarm limits.
	4.	Probes with finger and ear sensors for adult, pediatric and neonatal use.
	5.	Should be sensitive and function accurately even at low perfusion states of low blood pressure or hypothermic conditions.
	ETCO2: monitoring:	
	1.	Should have side stream CO_2 module and display both graphically and numerically.
	2.	Single beam, non-dispersive infrared (NDIR) absorption, radiometric measurement, no moving parts
	3.	Initialization time less than 10 seconds, full specifications within 1-2 minutes
	4.	CO_2 range should be 0 to 152 mm Hg barometric pressure supplied by module itself
	5.	Should be able to detect breath rate in the range of 20-150 BPM
	6.	Respiratory rate accuracy should be + 1 breath
	7.	Barometric Pressure auto compensated from 400 mm Hg to 850 mm Hg Operator selectable O2, N2O, HE and Agent compensation.
	8.	No routine user calibration required. An offset calibration should run automatically when the ambient temperature is not stable.
	9.	Sampling line should have both nasal sampling line and extension sampling line
	10.	Warm up time 10 seconds
	Temperature monitoring:	
	1.	Measuring range: 5 to 50^0C
	2.	Accuracy + 1^0C
	3.	User selectable upper and lower limit of alarm.
	4.	Core and skin probes
	Noninvasive blood pressure (NIBP) monitoring:	
	1.	Should automatically sense infant/adult cuffs and set appropriate inflation pressure and safety limits.
	2.	Operating Modes: Automatic, Manual Stat
	3.	Accessories, NIBP cuff:

		a. Adult for thigh and arm b. Pediatric c. Neonatal
	Following accessories /consumables to be supplied with MR compatible Patient Monitor (including the standard supply) -	
	1.	Adult Reusable Cuff (27 -35 cm) - 2 qty
	2	Infant Reusable Cuff (9-15 cm) -2qty
	3.	Large Adult Reusable Cuff (34-44 cm) 2 qty
	4.	Pediatric Reusable Cuff(14 – 21.5 cm)- 2 qty
	5.	Small Adult Reusable Cuff (20.5 -28.5 cm) -2 qty
	6.	NIBP Hose - 2 qty
	7.	Reusable Adult SPO2 Probe- 2qty
	8.	Reusable Pediatric SPO2 Probe- 2qty
	9.	Reusable Neonatal SPO2 Probe- 2qty
	10.	Neonatal Disposable SpO2 wraps – 100 qty
	11.	Reusable Temperature probe/Sensor- 2 qty
	12.	ECG electrodes – 500 qty
	13.	EtCO2 Filtered samaple line extension – 50 qty
	14.	Adult Oral/Nasal cannula – 50 qty
	15.	Pediatric Oral/Nasal Cannula -50 qty
	16.	Infant Nasal Cannula – 50 qty
	17.	Nomoline Agent Sample Line (2.0 m)- 50 nos.
	General Condition:-	
	A.	All the above equipments shall be new and manufactured from virgin materials. All the requirements of this supply shall be necessary sourced from the original equipment manufacturer of the model quoted which shall not be necessary sourced from the original equipment manufacturer of the model quoted but should be compatible with the quoted model. In case the machine is imported one no import substitution is permitted neither before the award nor after the award for any part or accessory. “Third party inspection certificate should be applied from the port of origin of shipping of equipment (from the parent companies country of origin).
	B.	Equipment shall operate on 230 V, single phase, 50 Hz electric supply. The necessary protective relaying / circuitry shall be there with the machines. The mains supply voltage variation may be max.±10% and frequency variation maximum ±3 %.
	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. 2) The following accessories viz. anesthesia workstation with ventilator , patient monitor, dual head pressure injector, Dry Chemistry Imager shall be having valid CE and US FDA approval. Documentary evidence to that effect shall be submitted in packet B. 3) Rest of the accessories should have valid CE or USFDA 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 elsewhere in tender document.

	D.	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 toBMC .
	E.	The equipments should be provided with one hard copy in original of the detailed service manual and operation manual. Further, a soft copy is also required.
	F.	The equipment must be tropicalized as below: Operating room temperature: upto 40° C Storage room temperature: upto 60º C Relative Humidity: upto 90% Non-condensing
	G.	Among the other things, the responsiveness of the bid will be based on successful demonstration of the offered model of the equipments to BMC officials as mentioned elsewhere in the tender specifications.
	H.	The bidder has to submit users list with address & contact telephone number/s.
	I.	Prospective tenderers should have a full-fledged and well-established service centre in Mumbai with engineers qualified in servicing of **3T 64 Channel MRI System**. Please provide details of the same in Annexure – 1.

SECTION 9 : BILL OF QUANTITY/ ITEM DATA			
Item No.	**Description of the Items**	**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		Per sq.ft.
	Turnkey work of LTMG Hospital		Per sq.ft.
	Turnkey work of BYL Nair Hospital		Per sq.ft.
	Turnkey work of R. N. Cooper Hospital		Per sq.ft.
	1. Price should NOT be quoted here **2. Bidder shall visit all sites and quote rate of turnkey work (including electrical, civil, plumbing and air conditioning) hospital wise. The detailed BOQ for quoted rate should be uploaded in financial packet** **3. Bidder shall carry out CMC for 7 years after the completion of warranty period of 3 years.**		

Check list of Documents to be uploaded in PACKET A and PACKET B as per the order given below.

Sr. No	PACKET A Description of Document	Whether uploaded or not
1.	Annexure – 1 Particulars of the Tenderer	
2.	Annexure – 2 Form of undertaking of Mandatory Conditions	
3.	Annexure -3 Undertaking to be signed by the Tenderer	
4.	Annexure -3A-Tri party agreement.	
5.	Annexure-4 PRO-FORMA for uploading details of EMD, Annexure-3	
6.	Annexure -9A/9B/9C Pro-forma for Authorization letter/Certificate.	
7.	Annexure-11-Authorization letter for attending tender opening.	
8.	Annexure -12 Instructions to the tenderer and Articles of Agreement duly signed	
9.	Annexure-13 Details of Litigation History	
10.	Annexure-14 Pact of Integrity	
11.	Annexure-15 Internal Grievance Redressal Mechanism	
12.	Signed copy of Tender Document (Schedule of Specifications, Mandatory Conditions)	
13.	Firm/Company/ Sanstha Registration Certificates	
14.	Partnership deed	
15.	Solvency Certificate	
16.	C.A.'s certificate for turnover of the tenderer	
17.	Pan Card with Photograph.(Only for Indian Bidder)	
18.	GST registration Certificate. (Only for Indian Bidder)	
19.	Import / Export license issued by competent authority	
20.	Valid Registration Certificate under EPF & M Act 1952	
21.	Valid Registration Certificate under ESIC Act 1948.	
22.	Power of Attorney to sign the tender to be registered with C.A.(BMC)	
23.	CDSCO license issued by competent authority	

Sr. No	PACKET B Description of Document	Whether uploaded or not
1.	Annexure -5 Technical Offer	
2.	Annexure -7 Consumables.	
3.	Annexure -7A List of Consumables Set	
4.	Annexure -8 Comparison of tender specification v/s equipment specification	
5.	Annexure-10 Experience Certificate	
6.	Copy of valid CE certificate as mentioned in General Conditions (Technical specifications) of the tender.	
7.	Copy of valid USFDA approval as mentioned in General Conditions (Technical specifications) of the tender.	
8.	Technical brochure of quoted model	
9.	Annexure-16 Details CE/US FDA certificate	
10.	Annexure A - Irrevocable Undertaking on Rs. 500/- Stamp paper	
11.	Annexure-B – GST Details	

Full Signature of the tenderer with Official Seal & Address

ANNEXURE -1
Tender No. Dy.Ch.E./CPD/ 10 /TDR /AE-5 of 2025-26
e-Tender ID-2025_MCGM_1173632_1
Particulars about the tenderer- (Specimen copy)
(To be uploaded in Packet 'A')

Date:-……...

(Following information to be submitted along with tenders (**in Packet 'A'**) as detailed herein below on the **letterhead of the tenderer**. Put a tick mark where applicable. Write N.A. where not applicable. All fields are necessary)

1. Name & Address of the tenderer.
2. Address of service centre.
3. Names and addresses of all the partners.
4. e-mail address of the firm.
5. Name of the Power of attorney holder
6. Name & address of the manufacturer

   a. Places of Manufacturer (In case of firms having more than one place, mention the nearest).
   b. Registered Head Office with Postal Address and Telephone Number of manufacturer
   c. Mumbai Office address with Telephone Number of manufacturer.
   d. Address with Telephone Number of service centre in Mumbai.

   The detailed address and telephone numbers / mobile numbers / Fax Number are as below. The list of qualified service Engineers and staff working in our service centre has adequate experience of maintaining quoted equipments is given below.

Sr. No.	Name, Address, Telephone, Mobile Number, Fax Number of service engineers and staffs	Qualification	Designation

7. Total annual turnover in the last Financial Year of tenderer.
8. Is the tenderer registered under the Indian Companies Act-1 of 1956 or any other Act, in force?
   a. If so, furnish photo state copy of Certificate of Registration.
   b. In case of Limited Companies furnish a copy of the memorandum of Articles of Association.
   c. In case of Proprietorship / Partnership firms, name of proprietors / Directors with address. (Two in order of % of shares).
   d. Ownership status of the Firm. (Maharashtra Govt./ Other state Govt./ Central Govt./ Joint Sector / Co-Operative / B.S.I. / Private / Foreign Company).

9. Whether tender is Indian/Foreign Manufacturer (State your category and upload document to this effect in 9 A formats.)

10. Whether tenderer is the 100% Indian subsidiary of foreign manufacturer/ Subsidiary of principle Foreign Manufacturer registered in India / sister concern of Foreign manufacturer /Associate of Foreign manufacturer /joint venture of Foreign manufacturer/ affiliate of foreign manufacturer –all dully registered in India (State your category and upload document to this effect issued by Foreign Manufacturer in 9 B format)
11. Whether tenderer is Distributor /Dealer / Importer /Traders/agent of foreign manufacturer (State your category and upload document to this effect issued by Foreign Manufacturer in 9 C format)
12. Name and post of the Officer / Address, Phone Number who should be contacted by this office in case of emergency.
13. Location of other manufacturing works / factories owned by the firm (if any)

14. a) Name of equipment manufacturer(Make)-

b) Model quoted for the said tender:

c) Manufacturing place/Country of the equipment quoted for this tender:

d) Place of supply from where the machine/equipment is to be supplied to BMC:

15. County of Origin

16. Port of Shipment.

17. Currency for the quoted equipment-

18. Bank Details:-

    a. Bank details of Manufacturer.

    b. Bank details of tenderer as applicable.

List of Equipments for 3T 64 Channel MRI Machine							
Sr. No.	**Description of Item**	**Name of Manufacturer**	**Make**	**Model**	**Manufacturing place**	**country of origin**	**shipment**
1	**3T MRI 64 channel Machine**						

I/We have carefully gone through the tender requirement/specifications, we are confident to fulfill the exact requirement asked for as a manufacturer along with the required documents to be provided along with the tender. I/We assure you for the same and accordingly I/we are participating in this tender process.

I/We have carefully gone through the tender documents and the term and conditions mentioned therein & are all acceptable & agreeable in entirely to me/us.

Full Signature of the tenderer with
Official Seal & Address
Contact No:
Email ID

Note- Annexure-1 shall be uploaded on letter head of bidders

ANNEXURE -2
Tender No. Dy.Ch.E./CPD/ 10 /TDR /AE-5 of 2025-26
e-Tender ID-2025_MCGM_1173632_1
Tender Form
(To be uploaded in PACKET A)

To,

The Municipal Commissioner
Brihanmumbai Municipal Corporation

Sir,

1. I / We……(full name in capital letters starting with surname), the Proprietor /Managing Director / Holder of the business for the establishment / firm / registered company named herein below do hereby state that I / We have read, examined and understood the contents of following documents relating to ….

1) Invitation to Tenderers
2) Instructions to Vendors participating in e-Tendering Process
3) Flow of activities of tender
4) Important General Conditions and Instructions to tenderers
5) Items Descriptions
6) Scope of supply and Technical Specifications
7) Contract Agreement form (Proforma for Article of Agreement)
8) Annexures
9) ***Details of the Item Data in Mahatender :- (Rate to be filled by tenderer in commercial offer)***
10) Minutes of pre bid meeting,
11) Corrigendum if any

2. I / We have examined the details/ specifications of supply to be made and noted all the terms and conditions and accordingly hereby e-tender for execution of the supply referred to in the aforesaid documents, at the rate quoted for respective item in the item data in ***Mahatender.***

3. I/ We have paid the Earnest Money Deposit (E.M.D.) online for INR…… and we are aware that this EMD shall not bear any interest till it is with BMC.

4. I / We also agree to keep this e-tender open for acceptance for a period of **180 days** from the date for opening the same and not to make any modifications in its terms and conditions which are not acceptable to the Corporation.

5. I/We hereby further agree to execute agreement in the prescribed pro-forma and shall bear all the charges of whatsoever nature in connection with the preparation, Stamp Duty and execution of the said contract.

6. I / we have offered our rates in the prescribed format and uploaded it along with the bid document.

7. I/We further state that I/We have separately furnished an undertaking / declaration in the form of Affidavit (Annexure-3) on the stamp paper of Rs.500/- (Rupees Two Hundred only) with regards to agreeing to the

terms and conditions in corporate in the bid documents and various declarations as per requirement of BMC and I/We shall abide by them all respect throughout the period of contract.

Yours faithfully,

Address:

……

……

……

……

Full Signature of the tenderer with

Official Seal and Address.

1. ……
2. ……
3. ……
4. ……

Full Names and Residential Address
of all the partners constituting
The firm:

1. ……

……

……

2. ……

……

……

3. ……

……

A/c. No……

Name of the Bank……..

Name of the Branch…….

ANNEXURE – 3

Tender No. Dy.Ch.E./CPD/ 10 /TDR /AE-5 of 2025-26

e-Tender ID-2025_MCGM_1173632_1

Undertaking to be signed by the tenderer

(To be uploaded in PACKET A)

AFFIDAVIT

To
The Municipal Commissioner
Brihanmumbai Municipal Corporation
Sir,

"I/ we .....
(full name in capital letters, starting with surname, the Proprietor/ Managing Partner/Managing Director/ holder of Partner allowing of M/s...../ the Business/ establishment /firm/ registered company do hereby, in continuation of the terms and conditions undertaking the Tender form and agreed to by me/us give the following undertaking.

1. "I/We ..... do hereby offer to.....referred to in the specifications and schedule to the accompanying form of Contract at the rates entered in the schedule of rates sent herewith and signed by me/us" (strike out the portions which are not applicable)

2. I/We .....do hereby state and declare that I/we, whose names are given hereinbelow in detail with the addresses, have not filled in this tender under any other name or under the name of any after establishment/ firm or otherwise, nor are we in any way related or concerned with the establishment/ firm or any other person, who have filled in the tender for the aforesaid work.
3. I/We .....have filled in the accompanying tender with full knowledge of liabilities and, therefore, we will not raise any objection or dispute in any manner relating to any action/ including forfeiture of deposit blacklisting, for giving any information, which is found to be incorrect and against the instructions and directions given in this tender.
4. I/We further agree and undertake that in the event it is revealed subsequently after the allotment of work / contract to me/us, that any information given by me /us in this tender it false or incorrect. I/we shall compensate the Brihanmumbai Municipal Corporation for any such lapses or inconvenience caused to the Corporation in any manner and will not resist any claim for such compensation on any ground whatsoever. I /We further agree and undertake that I/We shall not claim in such case any amount by way of damage or compensation for cancellation of the contract given to me/us or any work assigned to me/us or is withdrawn by the Corporation."
5. I/We .....hereby confirm that I/We will be able to carry out and reply entered by me/us at the quoted rates as per specifications/ drawings indicated in the tender after compliance of all the required formalities within the specified time.

6. I/We do hereby undertake that we have entered the best price for the subject reply as for the present market rates and that I/we have not entered less price for the subject reply in any other outside agencies including Govt./Semi Govt. agencies and within BMC also in similar conditions.

7. I / We agree to comply with fulfill the requirements of all labour laws or otherenactments applicable to this supply and abide them throughout the period of contract.
8. I / We agree to abide the regulations of the BMC premises now in force or whichmay come into force, during the currency of the contract. I / We accept the right of BMC to stop any supervising staff/ labour employed by me / us from entering in the BMC premises if it is felt that the said person is an undesirable element or is likely to create nuisance. BMC will not be required to assign any reason while exercising this right and I/We shall abide by such decision being binding on us.

9. I / We shall not sublet the work to any agency without prior approval of the BMC.

10. I / We understand and accept that our e-tender/contract is liable for rejection/termination and EMD paid by me/us shall be liable for forfeiture by the BMC if-
    a) I / We fail to keep the e-tender open as aforesaid,
    b) I / We fail to execute the formal contract or make payment of contract deposit when called upon to do so,
    c) I / We do not commence the supply on or before the date specified by officer/ engineer in hiswork order/indent.

    d)I / We fail to produce required information, testimonials or a letter in original whenever called upon to do so or I/We fail to give satisfactory reason for non-production of such information, testimonials, letter etc. within a period of 6 days from receipt of such demand.

11. I/We…… hereby further state and declare that I/We are
    - not declared insolvent any time in the past.
    - not debarred/ black listed by either BMC / central Govt. / state Govt. / Public sector undertaking/any other Local body from start date of tender notice.
    - not convicted under the provision of IPC or Prevention of Corruption Act., nor any criminal case is pending against me/us in any court of law.

12. I / we do hereby agree that if in future, it comes to the notice of BMC/ if it is brought to the notice of BMC that any disciplinary/penal action due to violation of terms and conditions of the tender which amounts to cheating /depicting of malafide intention during the completion of the contract anywhere in BMC or either by any of central Govt. / state Govt. / Public sector undertaking/any other Local body, BMC will be at discretion to take appropriate action as its finds fit.
13. The acceptance of this tender by BMC shall constitute a binding contract between me / us and BMC
14. I/we further confirm that the information/document submitted by me regarding GST No. (If applicable) is true and correct as per record of GST Department and in the event if it is revealed subsequently after opening of tender or after allotment of work/contract to me/us that any information given by me/us is false or incorrect, I/we shall be debarred from participating in the tenders for BMC for 10 years.

15. I/We,_____ who are proven and reputable manufacturer of _____(Name & description of the goods offered in the tender) having factories at _____, hereby certified that do hereby state that I/We have a full-fledged and well established service centre in Mumbai.

16. * I/We,_____ hereby declare that on our establishment there are less than 20 employees/ Labourers and as such it is not mandatory to register our firm under EPF & MP Act 1952.

17. *I/We ----------hereby declare that we are using the energy for production purpose. However there are less than 10 employees / Labourers on our establishment.

OR

I/We ----------hereby declare that we are not using the energy for production purpose. There are less than 20 employees / Labourers employed in production activity.

As such, the provisions of ESIC Act 1948 are not applicable to our firm and it is not mandatory for us to register the firm under ESIC Act 1948.

(* Strike out if not applicable)

18. I/ We hereby certify that M/s ---------- (Name and address of Indian or foreign manufacturer bidder) submit offer and commit, sign finalize and execute order on our behalf. I/We will be directly responsible for all the tender related issues including quality and quantity of the supply. I/We shall supply equipment and raise the bill directly. I/ We certify for adequacy of technical expertise of the product offered and we will give back up support towards supply, spare parts, technical updates and services during warranty, Annual / Comprehensive Maintenance Contract as applicable.

Or

I/ We hereby certify that M/s ---------- (Name and Address bidder) who is 100% Indian subsidiary of foreign manufacturer duly registered in India / Subsidiary of principle Foreign Manufacturer duly registered in India / sister concern of Foreign manufacturer duly registered in India /Associate of Foreign manufacturer duly registered in India /joint venture of Foreign manufacturer duly registered in India / affiliate of Foreign manufacturer duly registered in Indiaof _____ (Name and address of foreign manufacturer) are authorized to submit offer and commit, sign finalize and execute order on our behalf is responsible for sales promotions of our entire range of the products in India. I/We will be directly responsible for all the tender related issues including quality and quantity of the supply. I/We shall supply equipment and raise the bill directly. I/ We certify for adequacy of technical expertise of the product offer by M/s ---------- (Name and Address of the Indian subsidiary) and we will give back up support towards supply, spare parts, technical updates and services during warranty, Annual / Comprehensive Maintenance Contract as applicable.

Or

I/ We hereby certify that M/s ---------- (Name and Address bidder) who Distributor /Dealer / Importer /Traders/agent appointed by _____ (Name and address of foreign manufacturer) are authorized to submit offer and commit, sign finalize and execute order on our behalf and is responsible for sales promotions of our entire range of the products in India. I/We will be directly responsible for all the tender related issues including quality and quantity of the supply. I/We shall supply equipment and raise the bill directly. I/ We certify for adequacy of technical expertise of the product offer by M/s ---------- (Name and Address of bidder) and we will give back up support towards supply, spare parts, technical updates and services during warranty, Annual / Comprehensive Maintenance Contract as applicable.

19. "I/We do hereby further undertake that, we have offered the best prices for the subject supply work as per the present market rates. Further, we do hereby undertake and commit that we have not offered/supplied the subject product / similar product / systems or suab systems in the past one year in the Maharashtra State for quantity variation upto – 50% or + 10% at a price lower than that offered in the present bid to any other outside agencies including Govt. /Semi Govt. Agencies and within BMC also. Further, we have filled in the accompanying tender with full knowledge of the above liabilities and therefore we will not raise any objection or dispute in any manner relating to any action including forfeiture of deposit and blacklisting, for giving any information which is found to be incorrect and against the instruction and direction given in this behalf in this tender.

    I/We further agree and undertake that in the event, if it is revealed subsequently after the allotment of work/ contract to me/us that any information given by me/us in this tender is false or incorrect, I/We shall compensate the Brihanmumbai Municipal Corporation for any such losses or inconveniences caused to the Corporation, in any manner and will not raise any claim for such compensation on any grounds whatsoever. I/We agree and undertake that I/We shall not claim in such case any amount, by way of damages or compensation for cancellation of the contract given to me/us or any work assigned to me/us or is withdrawn by the Corporation."

    However, in case of price difference, if it is a result of differential tax structures, different Dollar value of Rupee, considering this aspect, before invoking the penalty, blacklisting etc., I/we will be given a reasonable opportunity of being heard by representing our case as to why such price variation/differential has arisen.

    In case, if the explanation submitted by me/us is unsatisfactory then action as stated above including forfeiture of deposit & blacklisting may be taken against me/us.

I/we solemnly confirm the compliance of all the requirements/ Conditions of the Tender documents.

Full name and complete address with
Tel.Nos.& E-mail address of all partners(If applicable)
1._____
2. _____
3. _____

Signature with Date, Name, & designation of Manufacturer / 100% Indian subsidiary of foreign manufacturer duly registered in India / Subsidiary of principle Foreign Manufacturer duly registered in India / sister concern of Foreign manufacturer duly registered in India /Associate of Foreign manufacturer duly registered in India /joint venture of Foreign manufacturer duly registered in India / affiliate of Foreign manufacturer duly registered in India

OR

Distributor /Dealer / Importer /Traders/agent **of foreign Manufacturer**

(Office Stamp)

WITNESS:
(1) Full Name ……
And Address ……..
……
Signature ……...

(2) Full Name ……
And Address ……. ……
……
Signature ……

Note:-To be filled in and signed by the tenderer and to be submitted on non judicial paper of Rs.500/-duly notarized by Notary Public / First Class Magistrate.) or Equivalent document.

ANNEXURE – 3-A
Tender No. Dy.Ch.E./CPD/ 10 /TDR /AE-5 of 2025-26
e-Tender ID-2025_MCGM_1173632_1

(To be uploaded in Packet 'A')
(In case of bid submitted by Authorized Distributor /Dealer / Importer /Traders/agent for foreign Manufacturer)

TRI PARTY AGREEMENT BETWEEN BMC, MANUFACTURER AND BIDDER

This agreement made on this the ……..day of …….., Two Thousand ……. between **BMC,** having its registered office at CST, MUMBAI hereinafter referred to as the PURCHASER (1ST Party) and **M/s. , India.** a firm (hereinafter referred to as the "SUPPLIER" which expression where the context admits shall include its successors in interest and assigns of the other part(2nd party) and **M/s** (3rd Party as Principle).

Whereas as the PURCHASER is desirous that Supply, Installation, testing and commissioning of the equipment & accessories be done by supplier or manufacturer as per the terms and conditions laid out in tender document of the PURCHASER. Purchaser will follow standard practices as per the terms and condition laid out in the tender document to evaluate the bids submitted by the suppliers or manufacturers. Bidders who unconditionally accept all the terms and conditions of the purchaser will be eligible to bid.

All the suppliers (distributors) have to be authorized by the manufacturers and manufacturers indemnifies that all the terms are acceptable to them as well.

Purchaser will be given 5% bank guarantee by the Manufacturer/ Distributor /Dealer / Importer /Traders/agent for foreign Manufacturer towards the performance of the supplied equipment for the product life cycle (3yrs warranty plus 7 years CMC/AMC) (10 years).

Manufacturer has accepted the bid terms and conditions submitted by his Distributor /Dealer / Importer /Traders/agent for the Comprehensive/Annual Maintenance Contract & Supply Order terms under reference and whereas the Distributor /Dealer / Importer /Traders/agent has agreed to execute the CMC/AMC on the quoted rate, terms and condition as hereinafter referred to at a comprehensive/ annual maintenance cost (Inclusive of taxes, Duties Levies, transportation, handling, insurance, GST etc.)

And whereas various General, technical & commercial negotiation/ correspondences took place between SUPPLIER & PURCHASER as a result of which SUPPLIER'S final offer has been accepted and whereas supply order has already been issued to the SUPPLIER by the PURCHASER vide Ref.no._____ which has been duly accepted by the SUPPLIER.

NOW THIS AGREEMENT WITNESSED & THE PARTIES AGREES AS FOLLOWS:

1. In pursuance of the agreement and in consideration of Rate only as payable to the Manufacturer/ Bidder, the Manufacturer/ Bidder shall start commence the work in the manner as stated in the agreement.
2. The parties hereunder shall respectively and faithfully abide by the terms and conditions and stipulations contained in this agreement and perform / discharge their part of the obligation of the agreement accordingly.
3. The agreement shall be executed within the purview of the Indian Laws.

4. In this agreement words and expressions shall have the same meanings as are respectively assigned to them in the conditions of agreement herein before referred to.
5. The three sets of agreement shall be signed & 1 set of agreement shall remain with the PURCHASER, BIDDER and with Principle i.e. OEM.
6. IN WITNESS WHEREOF the parties have hereunto set their respective hand seals at Mumbai on the date, month and year first above written.
7. The Supplier has agreed for 7 years CMC/ AMC (with spares) for preventive and breakdown maintenance of the supplied equipment and it's accessories in order to ensure proper functioning of the equipment. The CMC/ AMC period will start only after successful completion of warranty period of three years which is further extendable as per DOWNTIME PENALTY clause stipulation as under:

During warranty period of 3 years i.e. 36 months from the date of satisfactory commissioning / installation of the equipment, log book will be maintained at the **Engineering/ User Department**. If the availability of the equipment, during warranty period, falls below 96% i.e. assuming 351 working days in the year of 365 days and similarly 1051 days in three years, the warranty period will be extended for the breakdown days the equipment remains breakdown minimum 96% availability of the equipment in terms of working days.

CMC/ AMC Charges: The CMC/AMC charge has been agreed by all the executors. The charges for CMC/ AMC (with spares) for 7 years for total unit & will start after successful completion of 3 years warranty period.

8. **Scope Of Work**: The scope of work under this agreement for CMC/AMC will be as under:

a) The CMC/AMC will be effective from the day after successful completion of warranty/ guarantee period. During CMC/AMC period, the Service Engineer will have to make 04 (four) compulsory Quarterly visits per year for preventive maintenance while breakdown calls (unlimited) will be attended within 72 hours (3 days) from the date & time of lodging of complaint with the supplier / principle through phone / fax/person/post/courier/e-mail. The complaint/message will be sent to the address given in this contract as well as in supply order.
b) If the breakdown is attended and rectified within 120 hours (5 days) at our sits, no penalty/ deduction will be made from the CMC/AMC bill.
c) If it is not rectified within 120 hours (5 days) i.e. stipulated time by the supplier at our site, deduction will be made @ double the prorata basis CMC/AMC charges per day from the bill after allowing stipulated period of 120 hours i.e. 5 days.
d) If the problems are required to be rectified at Service Centre site/workshop/premises, additional 7 days period will be allowed i.e. total 10 days from the day of initial breakdown report. Normal CMC/AMC charges for additional 7 days period will be deducted from the bill of CMC/AMC on prorata basis. If the equipment is not made available in all respect after rectification from the Service Centre site/ premises within 10 days, there will be a provision to deduct **@ double the CMC/AMC charges/ day on prorata basis from the bills for delayed period.**
e) The CMC/AMC will be comprehensive and it will include supply, fitment, Maintenance, repair of the equipment, its parts. Arrangement of spares will be the sole responsibility of the Principle Manufacturer and / or its Distributor /Dealer / Importer /Traders/agent (in case of imported item) for which no extra charges will be paid to the party by BMC as it has already been incorporated in CMC/AMC charges.
f) In the event of failure of the Dealer/Indian distributor/importer/Trader/agent to execute the CMC/ AMC as per agreed TENDER terms and conditions, the entire responsibility to execute the CMC/ AMC will be on the Principle Manufacturer/OEM at the quoted cost only.

g) In case the Principle Manufacturer changes the Distributor /Dealer / Importer /Traders/agent, it will be the sole responsibility of the Principle Manufacturer/OEM to communicate the same immediately to BMC management to get the CMC/AMC executed uninterrupted through their reappointed/nominated Distributor /Dealer / Importer /Traders/agent to ensure that there is no discontinuation of the CMC/AMC due to change/re-appointment of Distributor /Dealer / Importer / Traders/agent etc. DEAN OR DMC, CPD or authorized representative will represent BMC for agreement and its further renewals. Performance Bank Guarantee which will remain valid up to the end of 08 year which will be the responsibility of the Principle Company.

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**.

i) No advance payment will be made to the supplier on a/c of CMC/AMC rather; the payment of AMC/CMC of the medical equipments shall be made on six monthly basis subject to satisfactory completion of maintenance and servicing activities. In case of no Breakdown, failure in providing Quarterly Preventive Maintenance service will lead to nonpayment of proportionate CMC/AMC charges for that six months payment.

j) This is a firm & fixed price agreement for CMC/AMC till CMC/AMC period. No taxes, duties etc, shall be reimbursed by the PURCHASER separately on this account and no variation/escalation shall be applicable during agreement period.

The CMC/AMC charges are exclusive of Service Tax/VAT which will be paid at actual by BMC separately during the CMC/AMC period.

k) I/We…… (Manufacturer) and I/ We……. (Distributor /Dealer / Importer / Traders/agent) hereby further state and declare that I/We are

- not declared insolvent any time in the past.
- not debarred/ black listed by either BMC / central Govt. / state Govt. / Public sector undertaking/any other Local body from start date of tender notice.
- not convicted under the provision of IPC or Prevention of Corruption Act., nor any criminal case is pending against me/us in any court of law.

Settlement of Disputes: It is incumbent upon the supplier/Principle OEM to avoid litigation and disputes during the course of the execution. However, if such disputes take place between the contractor and the BMC department, effort shall be made first to settle the disputes at the BMC level.

The supplier/Principle OEM should make request in writing to the BMC for settlement of such disputes /claims within 30 (thirty) days of arising of the cause of disputes/claim failing which no disputes/claims of the supplier shall be entertained by the company.

If differences still persist, in case of parties other than Govt. agencies the redresses of the dispute may be sought in the Court of Law in Mumbai Jurisdiction only.

“ The Supplier shall familiarize with the orders of the State/ Central Govt. applicable to the work, payment of wages Act, Workman’s Compensation Act, Contract Labour (R&A) Act etc. and shall be fully responsible and liable for due observance of the same.”

SIGNED, SEALED & DELIVERED

By the said Supplier (2nd party)
For **M/s.**

Signature_____
Name:-
Designation :
Address:
Contact No.
E-mail ID:

By the said (1st party)
For BMC
Dean / DMC, CPD

Signature_____
Name:
Designation:
Address:

By the said (3rd party)
For MANUFACTURER/OEM

Signature_____
Name:-
Designation :
Address:
Contact No.
E-mail ID:

IN THE PRESENCE OF (WITNESS)

Signature

Name:

Address:

Signature

Name:

Address:

ANNEXURE -4

Tender No. Dy.Ch.E./CPD/ 10 /TDR /AE-5 of 2025-26

e-Tender ID-2025_MCGM_1173632_1

PRO-FORMA for uploading details of EMD and Annexure-3

(To be uploaded in PACKET A)

1	Name of Tenderer			
2	Name of Supply			
3	Department		Central Purchase Department	
4	Bid No. & Due Date			
5		**Details**	**E.M.D.**	**Annexure-3 (Affidavit)**
	a	Amount Rs.		-
	b	On line Payment.	Yes	-
	c	Date		-
	d	Bank Details:-		-
	e	IFSC Code:-		-
6	Is original **Annexure-3** uploaded?		-	Yes

Full Signature of the tenderer

with Official Seal & Address

NOTE: PRO-FORMA should be on letter head of the tenderer.

ANNEXURE -5

Tender No. Dy.Ch.E./CPD/ 10 /TDR /AE-5 of 2025-26

e-Tender ID-2025_MCGM_1173632_1

(Technical Offer)

(To be upload in Packet 'B')

Item Group No.	Description of the Items (Bidder shall quote the following items as per technical specifications)	Quantity
1.	**Import Supply** : SITC of **3 Tesla MRI Machine** as per technical specifications	4 Nos.
	Make	
	Model	
	Local Supply : SITC of **3 Tesla MRI Machine** as per technical specifications	4 Nos.
	Make	
	Model	
2	**Import Supply** : SITC of Local Accessories as per technical specifications	4 Nos.
	Make	
	Model	
	Local Supply : SITC of Local Accessories as per technical specifications	4 Nos.
	Make	
	Model	

Scope of Supply As per tender technical specification

Bidder shall carry out CMC for 7 years after the completion of warranty period of 3 years.

Note: 1) Price should NOT be quoted in this Annexure

2) Scope of Supply:- Bidder shall clearly mention list of all items supplies at the time of delivery in scope of supply Including standard, essential accessories and Local brands/supply of external monitor /cameras/computers/external cable, accessories etc as applicable if any along with make and model.

3) Detailed Service Manual shall be provided with the Equipment.

Full signature of the Tenderer

With Official Seal and Address

NNEXURE – 7
Tender No. Dy.Ch.E./CPD/ /TDR /AE-5 of 2025-26
e-Tender ID-2025_MCGM_1173632_1

(List Of Consumables to be freezed for 10 years)
(To be uploaded in Packet 'B')

NOT APPLICABLE

ANNEXURE -7A
Tender No. Dy.Ch.E./CPD/ 10 /TDR /AE-5 of 2025-26
e-Tender ID-2025_MCGM_1173632_1

NOT APPLICABLE

ANNEXURE -8
Tender No. Dy.Ch.E./CPD/ 10 /TDR /AE-5 of 2025-26
e-Tender ID-2025_MCGM_1173632_1
(To be uploaded in Packet 'B')

COMPARISION OF TENDER SPECIFICATION V/S EQUIPMENT SPECIFICATION

Tenderer should submit information in the following proforma.

1.Scan copy of original Technical Brochure's for quoted model and all other allied equipment's having technical specifications shall be uploaded. Scan copy of original Technical Brochure's for quoted model shall be signed and stamped by Original Equipment manufacturer.

2.The reference number asked in column(4) shall be specific to technical particulars asked in column(3). Vague answers such as "we comply", "same as', "at the time of DEMO" etc will not be accepted.

(To be uploaded in Packet B)

Sr. No.	Description		Technical particulars/Description of offered Equipment/Model(To be Filled by Bidder)	Catalogue / Brochure/Document Reference No.(Page no./Item no.) (To be Filled by Bidder)
A	Name of Equipment			
B	Name of Manufacturer			
C	Model of Equipment			
TECHNICAL SPECIFICATIONS				
The manufacturer/bidder must quote the latest 'state of the art' 3 Tesla MR System or better as per the specifications below.				
The quoted model must be launched year 2017 onwards.				
The offered model should be USFDA and European CE approved (authentic and legible certificate for the same to be annexed).				
Also, the vendor will guarantee that the system supplied is not refurbished and the MR system quoted is the latest best available model in the segment (3T MR scanner with 70 cm or more bore) quoted, at the time of delivery and should submit an undertaking in this regard.				
Technical Specification as Per Tender				
Sr. No	**Features**	**Essential Specification**		
1	Magnet	3Tesla (superconducting) Magnet with approximately 70 cm or more bore diameter. The magnet should have display for information on coil connectivity, physiological curves, start Scan. Switching off alarms, automatic transfer from different positions. **Magnet should be manufactured from USA/ Europe / Japan**		

	a) Field Strength	Helium only 3T (superconducting) Magnet along with Facility for quick Shutdown of the magnet in case of emergency.		
	b) Field Stability overtime	(i) Should have active shielding, external interference shielding with good field stability. (ii) Mention the RF frequency of operation and the field drift.		
	c) Homogeneity	(i) Guaranteed homogeneity of magnet by VRMS method should be given. Specify homogeneity in VRMS at 10 cm, 20 cm, 30 cm and 40 cm DSV and at max FOV achievable with the quoted scanner. (ii) Should be very good for Single voxel and CSI spectroscopy, Specify values		
	d) Magnet Bore	(i)70 cm or more magnets bore diameter, after positioning of gradient, shim and RF cons		
	e) Active Shielding/ Fringe field	(i) Quote values for 5 Gauss and 1 Gauss line.		
	f) Ext. Shielding	Ext. Interference shield (sufficient to house the Magnet, Anesthesia and Physiologic monitors should be provided		
	g) Magnet Cooling System	(i) The magnet should be having zero boil off rate. (ii) Devices for helium level monitoring in the magnet should be supplied. (iii) Liquid helium should be supplied during warranty period and Comprehensive CMC		
		(iv) The vendor should include the Cold Head maintenance and replacement during warranty period and during Comprehensive CMC		
	(h) Shim System	(i) High performance and highly stable shim system with global and localized manual and auto shimming for high homogeneity magnetic field required for imaging (MRI/ fMRI), single voxel spectroscopy (MRS), and spectroscopic imaging (MRS), 3D shimming for volume imaging and CSI. (ii) Auto shim (global and voxel shim) should take minimum time to shim the magnet with patient in position (specify the time). (iii) Specify number of shim coils including higher order. (iv) Second order /High order shimming should be standard		
2	Patient Table	(i) Computer controlled subject table movement in vertical and horizontal direction. (ii) The vendor should supply fully motorized computer-controlled table, with movements in vertical and horizontal directions for the main MRT patient table. (iii) Subject table should be able to take at least		

		140 Kg load. (iv) Emergency manual Traction of the subject from the magnet.		
	b) Patient monitoring	(i) Patient monitoring devices for ECG, respiratory, pulse rate, oxygen saturation, ETC02 at the console etc. A comprehensive solution at patient side and at main console capable of gating the sequence protocols with respect to patient's heart (ECG) and respiratory rates.		
	c) Patient Comfort Features	(i) Two-way Patient communication with headphone, microphone and necessary accessories.		
		(ii) Patient audio alarm		
		(iii) Lighting		
		(iv) MR compatible Music system (complete) should be able to play inside the gantry		
		(viii) Provide other standard patient comfort devices, with quoted system (please specify)		
3	Gradient System a) General	(i) Actively shielded gradient system in X, Y, Z planes.		
		(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.		
		(iii) Quote the Slew rate at the maximum gradient strength		
		(iv) Specify the linearity of the gradients at full FOV.		
		(v) 100% duty cycle for full FOV.		
	b) Resolution Parameters	(i) Specify the minimum and maximum FOV achievable for the quoted MR system (preferable to have 10 – 500 mm FOV).		
		(ii) Specify min. slice thickness in 2D and 3D modes at 128x128. 256x256. 512x 512 and 1024x1024 matrices		
		(iii) The system should be capable of performing single shot EPl in 64x64, 128x128, and 256 *x* 256 matrixes) including Conventional and fluoroscopic imaging in the three orthogonal and also oblique planes.		
		(iv) Effective cooling system for gradient coil and power supply for uninterrupted operation		

		during summers also. The system should have efficient and adequate provision for eddy current compensation.		
4	RF Transmitter, Receiver, Coils	The vendor should quote the latest RF transmit technology available with them globally, as per the data sheet.		
	a) RF Transmitter	(i) A fully digital RF system capable of transmitting enough power (please quote the value) (as per FDA guidelines), and the operatingfrequency should cover 1H.		
		(ii) Specify max. transmitter RF power available (at 50 ohm impedance)		
	b) RF Receiver	(i) Optical/ Digital RF receiver system with/ high efficient RF receiver system / or its equivalent located on the magnet inside the shielded active room.		
		(ii) System should have 64 independent RF receiver channels (which can be demonstrated) Please provide the list of coils/coil-combinations that use this configuration.		
		(iii) Specify the RF receiver bandwidth for each channel.		
		(iv) The system should have necessary hardware to support quadrature phased array and flex coils.		
	c) RF Transmit Technology	(i) Latest RF transmit system (like Multi-transmit/ Multi Drive transmit system/ Trueform) with at least two independent output channels should be offered to improve B1 uniformity and signal homogeneity and to reduce patient induced in-homogeneities		
	d) SAR limits	(i) SAR limits should be as per FDA guidelines. for all protocols, including neuro/ abdominal imaging.		
	e) Coils	(i) The number of channels and number of elements for each coil should be the maximum that the vendor has in their Product list. All coils (other than coils for exclusive spectroscopy, like surface coils) should be compatible for parallel acquisition. In case the vendor does not have or manufacture a particular coil, third party coil(s) can be provided. However, it is the responsibility of the vendor to provide necessary interface (both hardware and software) to make the coil work with appropriate RF sequences, etc.		
		(ii) Head coil (48-channel or more)/ 64 Channel Head Neck in single scannable FoVfor high resolution brain, brachial plexus, nerve imaging, EPI/ DTI applications, Compatible with fMRI projection device quoted with the system. The		

		coil should have built in shim arrangement for high resolution.		
		(iii) Separate coil for Head neck at least 20 channels or more for routine brain/ Neurovascular exams should also be quoted as standard.		
		(iv) Spine array coil (32 Channel or more) with built in sensor or equivalent for motion detection		
		(v) Body array coil *I* Phased Array coil with at least 44 Channel imaging for maximum Z-axis FOV of 50cms in combination with spine and single or combination of anterior coils.: 2 Nos.		
		(vi) Dedicated Shoulder array coil (16 channel); If a dedicated coil is not available with the vendor, then the vendor has to quote equivalent coil (for e.g., if Flex coil is offered, then the number should be in addition to the previously quoted coil		
		(vii} Dedicated Wrist coil (16 channel)		
		(viii) Dedicated Knee imaging Transmit/Receive 15 Channel or more		
		(ix) Eye/ear coil		
		(x) Flex coils in available sizes (minimum 2) for extremity imaging at least 16 channels		
		(xi) Dedicated foot/ankle coil, minimum 16channel or more		
	f) Coil Technology	(i) Integrated coil technology, latest as available with the vendor to be quoted: Equivalent of TIM / GEM/ D Stream or equivalent to be offered.		
	g) Table technology	(ii) Bolus chasing with automatic/continuous moving table should be offered and should be available with fluoro triggered MR angiography for manual and fast switchover in less than 1 sec for CE-MRA.		
		(ii) Latest table technology available with the vendor (globally) should be offered.		
5	Computer Control System	(i) The vendor should supply the latest computer system along with the MR system, to handle all the latest applications available on the MR platform.		
		(ii) During the warranty period, any software updates that are Launched globally should be supplied and installed.		
	a) Host Computer and Array Processors	(i) latest state-of-art computer system with sufficient RAM (32 GB or more) and computational speed to match the single shot Echo Planar Imaging (EP1), interactive angiogram, multi-planar Three-dimensional (3D) reconstruction, surface rendering and dynamic imaging, vascular		

		imaging/angiography, and adequate storage for images and other Applications.		
		(ii) Necessary image processor with sufficiently large RAM		
		(iii) (4 GB or more) for ultra-fast image reconstruction, capable of performing real time image reconstruction.		
		(iv) Total hard disk memory capable of storing a minimum of 2,00,000 (two lakh) images		
		(v) Monitor 19" or more Medical grade monitor (3MP) with enhanced graphics accelerator.		
		(vi) One measurement (Main) console capable of data acquisition and all online calculations (as required for all sequences in the tender, section 6), and Post processing (as required for all applications in the tender, section 7).		
		(vii) Licenses for acquisition (as required for all sequences in the tender, section 6), post processing and for special packages should be given explicitly (as required for all applications in the tender, section 7), listing all the capabilities of the vendor's quoted product basic standard package, premium packages, etc)		
	B) Additional workstation	**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. DICOM 3.0 compatibility and interfacing with other modalities must be possible. **CONFIGURATION**: 1 no. Server and 5 Clients/Nodes. **Licenses:** **5** user licenses for **basic** applications to be provided as standard. 2 Concurrent licenses with the capability to process all the loaded software including ALL the advanced post processing applications to be accessible and usable on both the clients/ nodes simultaneously without any processing delay. The software should also include a reputed antivirus software of a perpetual type or renewed by the supplier. Advanced post-processing offered applications including perfusion quantification, advanced diffusion and DTI, advanced cardiac evaluation (EF, Calculation, Wall motions, analysis) including perfusion analysis, processing of 2D/3D CSI		

		data, with color metabolite mapping, parametric images from the image intensity variations over time, vascular analysis package, two clients concurrently for each application. **Hardware:**Each Client / Node: CPU unit, minimum 16 GB RAM, Two Medical grade monitors of 2MP resolution & size - 21" or more in dual monitor setup, mouse, keyboard. **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. All latest available software for updates of the system for this centre should be available for free of cost for the next ten years.		
	c) CD/DVD archival	(i) DVD RW drive for writing of images, spectra and raw data along with the necessary software for reading the images and spectra on DVD/CD storing capabilities.		
		(ii) Provision for archival of k space data and raw (unprocessed) Images.		
	d) Networking	(i) The vendor should provide Level 3 network Switch (with 32 nodes) or latest, to integrate the network,		
		(ii) Protocol Ethernet TCP/IP standards-based image transfer with D1COM 3.0 over standard Ethernet IEEE 903 (DICOM send, receive and DICOM query modes).		
		(iii) The vendor should provide the connectivity with PACS, with the user departments, as mentioned in Item No. 10 of this tender.		
		(iv) The network speed and cables should match the latest industry standards (e.g. 10 BaseT/100BaseT/ 1 GB)		
		(v) System should be configured with different IP series, so as not to clash with different equipment already existing in different departments.		
		(vi) The vendor should provide necessary networking and configuration assistance with existing PACS, HIS, RIS.		
6	a) Data Acquisition	(i) The system should be capable of 2D and 3D acquisitions in conventional, fast & ultra-fast spin echo and gradient echo modes so that real-		

		lime online images ran lie observed if needed. All the sequences that are available with the vendor at the time of quote/ delivery should be provided as per their manual.		
		(ii) 2D multi slice imaging should be possible in all planes (axial, sagittal, coronal, oblique and double oblique)		
		(iii) Up to 1024 x 1024 matrix acquisitions preferred for all applications. Wherever 2048 matrix available, please mention.		
		(iv) Half Fourier or other techniques to reduce scan acquisition lime while maintaining adequate SNR.		
		(v) 3D volume, multiple contiguous slabs, multiple interleaved and multiple overlapping slabs		
		(vi) Slice thickness in 2D and partition in 3D to be freely selectable.		
		(vii) Dynamic acquisition (serial imaging) with capability to initiate scan sequences either from the magnet panel or from the console.		
		(viii) Dynamic acquisition; number of repeat scans with delay time either identical time interval or selectable		
		(ix) Auto slice positioning from the localizer images.		
		(x) Maximum off-center positioning both anterior posterior and lateral direction and should be selectable.		
		(xi) Gating: physiological signals like ECG, pulse, respiratory', External signal triggering (interlace for triggering input pulse from external source). The provision should be available at the console also (for FMRI, EEG etc.).		
		(xii) Simultaneous acquisition, processing and display of image data in 2D multi-slice mode.		
		(xiii) Selection of voxels from oblique slices should be possible while doing spectroscopy.		
		(xiv) Artifact reduction/imaging enhancement/image filtering/ image subtraction/ addition/ multiplication/division techniques:		
		(xv) Flow: 1st and 2nd order flow artifact compensation		
		(xvi) Presaturation slabs: a number of relocatable saturation bands to be placed either inside or outside the region of interest		
		(xvii) Fat saturation techniques: frequency selective RF pulses to suppress fat signals in the measured image FOV. ROI selective (regional) fat suppression should also tie Riven.		
		(xviii) Magnetization transfer saturation: Off		

		resonance RF pulses to suppress signals from stationary tissue in FOV		
		(xix) Phase contrast capability in 2D and 3D mode.		
		(xx) Image intensity correction		
		(xxi) Breath hold acquisition		
		(xxii) EPI mode		
		(xxiii) DTI with MDDW or equivalent with a minimum of 12 and selectable up to 128 direction encoding		
		(xxiv) Data acquisition in all three standard planes (axial, sagittal, coronal and oblique and double oblique planes or more oblique planes.		
		(xxv) Higher matrix acquisition capability in single shot EPI. Acquisition time. TR, TE and slice thickness should be clearly mentioned and supported by data sheet reference.		
		(xxvi) The vendor should offer multi coil acquisition in order to Optimize throughput increase and increased effective FOV. Individual acquisition elements of every coil should be Mentioned.		
		(xxvii) 4 phase water and fat composed images with phase in and phase out technique (IDEAL DIXON or equivalent) should be included.		
	b) Imaging Pulse sequences	(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 WIP.		
		(ii) The system should be capable of selecting TR and TEs as per requirement in majority of the pulse sequences.		
		(iii) Spin echo (SE): multi-slice single echo, multi-slice multi-echo (8 echo or more), SE with symmetrical and asymmetrical echo intervals and fast spin echo. MT-SE imaging sequence.		
		(iv) Inversion recovery (IR): including short Tl modified IRSE, FLAIR, DIR (Double Inversion Recovery).		
		(v) Gradient echo (GE): with transverse gradient/RF spoiling, and transverse gradient re phasing, e.g., GRASE or equivalent etc. 3D gradient echo with shortest TR and TE, free choice of flip angle selection, while maintaining SNR.		

	Fast sequences	(i) Fast spin echo and GE sequences in 2D and 3D mode with T1, T2 and PD contrast capable of acquiring maximum number of slices with a given TR a minimum TE, echo train should be at least 128 or more in fast spin echo mode		
		(ii) Half Fourier acquisition capabilities should be available with/without diffusion gradients and in combination with fast spin echo		
		(iii) Fast inversion recovery with spin echo		
		(iv) Fast gradient spin echo IR multi-slice multi-echo mode with maximum ETL. Sequences should incorporate RF focusing to acquire ultra-fast gradient spin echo.		
		(v) Fast gradient echo sequence should incorporate RF spoiling and other technique to acquire images in ultra-fast 2D and 3D modes.		
		(vi) Fat and water suppressed imaging sequences.		
		(vii) EPI optimized sequences (with and without fat suppression)		
		(viii) For T1, T2, PD imaging, perfusion, regular diffusion values (at least 5b,3 directions) EPI FLAIR. EP1-IR. EPI FLAIR diffusion tensor, EPI MT FLAIR, tensor diffusion |at least 16 b values, and 128 directions) and diffusion studies. Suitable artifact/ fat suppression techniques to be incorporated in the sequence to have optimum image quality.		
		(ix) There should be capability of calculating ADC map (isotropic and anisotropy from the regular diffusion and tensor data).		
		(x) Optimized sequences for special applications.		
		(xi) Multi-band EPI: Simultaneous Multi Slice Accelerate Advance applications for Neuro & Body.		
		(xii) System should be offered with SENSE / SMASH / I-PAT Plus/ ASSET/GRAPPA or equivalent technique with up to factor 4 or better in 2D and 3D of real acquisition time reduction in all sequences. Please specify compatibility with sequences, Scan techniques and gating techniques clearly		
	Optimized sequence Packages	Mention all available packages		
	c) Neuro	(i) All T1 (2D, 3D), T2 (2D, 3D), IR (2D, 3D), Dual IR (2D, 3D) sequences		
		(ii) Sequence for internal ear imaging for visualization of fine structures like cranial nerves (appropriate sequences like CISS, etc. or		

		equivalent. Mention the sequences provided.		
		(iii) 3D sequences for internal auditory canal imaging		
		(iv) Dynamic imaging of pituitary using appropriate sequence		
		(v) Whole spine T1, T2, IR sequences		
		(vi) Whole neuro examination with automatic' planning, scanning and post processing, with single localizer positioning, without changing the coils/ repositioning		
		(vii) SMS (Simultaneous Multi Slice Imaging)		
		(viii) 2D /3D ASL		
		(xi) T1 Permeability with IAUC, kTRANSetc		
		(x) T2* Perfusion imaging of brain and other body parts with automated software for rCBV, rCBF, TTP etc analysis with color map generation .		
		(xi) Susceptibility weighted imaging equivalent to SWAN-II/SWI/SWIp		
		(xii) T2 Relaxometry and volumetry for Hippocampus- Fully automated volumetric software like neuro quant/ morphometry to be provided.		
		(xiii) Advanced Spine Applications package for nerve root analysis. Auto spine labelling software.		
		(xvi) MR neurography software Nerve view/3D Space Neurogram/3D Cube STIR/Cube Flex		
		(xv) Complete FMRI Software and Hardware package including paradigm generator and accessories.		
	d) Angiography	i) MR angiography: 2D/3D TOF, 2D/3D Phase contrast with and without gating) and magnetization transfer saturation, black blood angiography for cerebral, pulmonary, abdominal and peripheral vessels.		
		(ii) For peripheral moving table angiography should he offered covering hip to limbs to be examined in one go with high resolution and high SNR.		
		(iii) Bolus tracking software package.		
		(iv) Sequences for breath hold angiography with contrast enhancement.		
		(v) Sequences for time resolved angiography with contrast Kinetics.		
		(vi) ECG triggered non contrast angiography.		
		(vii) Contrast bolus tracking (including single shot whole body MRA, interactive and automatic tracking, etc.).		
		(viii) Perfusion study in organ systems like kidney, brain, etc. with T1 perfusion with permeability maps, and quantitation of rCBF/		

		rCBV, MTT, etc., with color maps.		
		(ix) Contrast as well as Non contrast enhanced peripheral angiography for arterial flow with Native/Trance/inhance sequences.		
	e) Diffusion / DTI	(i) Sequence package for diffusion including DTI (tractography) study in organs like brain, kidney, muscle, heart, spine, breast, etc.		
		(ii) There should be capability of calculating ADC map (isotropic and anisotropic from the regular diffusion and tensor data).		
		(iii) MR diffusion tensor imaging package with tractography.		
		(iv) Application for high resolution for small FOV diffusion imaging		
		(v) Whole body diffusion weighted imaging with background suppression (DWIBS)		
		(vi) B value of at least 10000 or more in at least 32 directions		
	f) Body Imaging	(i) Flow quantification in vessels and CSF, hepatobiliary system		
		(ii) Fly through facility with Flow analysis including display of various velocity values.		
		(iii) Optimized breath hold sequences for abdominal studies including angiogram.		
		(iv) MR Cholangiography and Pancreatography: Specialized sequences and processing to perform MRCP.		
		(v) Pulmonary 2D/3D MRA sequence, including single breath hold sequence.		
		(vi) MR ventriculography, cisternography, myelography.		
		(vii) Single sequence to acquire four different contrast (in phase, out of phase water only, fat only). The same technique should be used in other sequences, for dynamic portography / T1 quantitative analysis.		
		(viii) Advanced Parallel acquisition techniques including new sequences. Specify the technique used and the factor by which the acquisition time is reduced for similar acquisition with and without parallel imaging technique. Mention the sequences.		
		(ix) Flow quantification packages for CSF with dynamic CSF flow imaging, aqueduct and spinal canal.		
		(x) Radial/Spiral pulse sequences for ultrafast imaging.		
		(xi) Suitable artifact/fat suppression techniques to be incorporated in all the sequences to have optimum image quality.		
		(xii) A sequence for differentiation of fluid and carriage in ortho applications (sequence like		

		DESS or equivalent)		
		(xiii) Susceptibility artifact correction techniques to be incorporated in all the sequences to have optimum image quality.		
	g) SWI	(i) Sequences for susceptibility imaging		
	h) Prostate Imaging	(i) Sequences for imaging of prostate including diffusion , multiphasic dynamic contrast enhancement , spectroscopy .		
	i) Whole Body Diffusion and STIR, Angiography	DWIBS OR equivalent, whole body imaging using Inversion recovery sequence, Whole body MR angiography		
	j) m-Dixon	(i) Provide sequences like m-Dixon for all applicable sequences, m Dixon - HD or 3 Point DIXON.		
	k) Motion Correction	(i) Sequence for in-line motion correction for uncooperative patients/ children (with software and acquisition sequences like BLADE. PROPELLAR, Multivane or equivalent.		
		(ii) Sequence with ultra-short TE		
		(iii) Sequence for nullifying CSK pulsation artifacts		
		(v) Whole body imaging (using body coil and surface coils)		
		(vi) Whole body diffusion weighted imaging (using body coil and surface coils)		
		(vii) Automated fusion and composing for the above two (without any artifacts)		
		(viii) Volume acquisitions for Neuro applications		
	l) MR Spectroscopy	(i) System should have capability to perform multi planar proton spectroscopy.		
		(ii) Proton MRS Sequence for single-voxel acquisition, with selectable fat /lipid saturation bands, options of water saturation (e.g. VAPOR, CHRSS, etc.) with all post-processing software,		
		(iii) Proton Multi-voxel CSI |2-D and 3-D] acquisition and metabolite mapping with all necessary RF sequences (and post processing algorithms) with all post processing software		
		(iv) If separate coils arc needed for carrying out MRS, it should be provided.		
		(v) RF sequences for prostate, liver, musculoskeletal and brain (if there are any specialized / optimized sequence available, the same should be offered)- with all post processing software		
		(vi) Water and lipid suppression in automated sequences.		
		(viii) Full post-processing for single voxel		

		MRS, CS1 (multi-voxel MRS), metabolite mapping with color coding (metabolic images) etc., for brain, prostate and for other applications. Post processing should include FFT, base line correction, curve optimization, automatic phase correction, metabolite imaging, spectral mapping, magnetic- resonance spectroscopic imaging (molecular imaging) with naming and peak integral values for all in vivo metabolites.		
	m) Cardiac package	Complete cardiac package including advanced software VCG gating with Arrhythmia rejection techniques, Morphology/wall motion,Cine perfusion imaging and Myocardial viability imaging, Advanced automatic Cardiac Ventricular Measurement Analysis,Cine Cardiac Tagging Techniques ,Coronary artery techniques, 2D/3D fast field echo/balanced/steady state techniques, T1, T2 AND T2* MAPPING Complete cardiac evaluation package to be included in the workstation.		
	n) Breast Package	Complete breast package including advanced software and Breast coil Advance package including diffusion, spectroscopy and perfusion with time intensity curve and biopsy.		
	o) Hepatobiliary package	Hepatobiliary Sequences and evaluation software for Fat Quantification in Liver and Iron Quantification to be provided. 2 point& 3 point DIXON ie. MDIXON Quant. THRIVE, LAVA XV, VIBE or equivalent for multiphasic liver studies to be offered. Liver imaging with DISCO/ FREEZE WITH TIST VIBE / D Sense Factor or equivalent should be included.		
	p) MRI Elastography	Complete MRI Elastography software and hardware package including all advanced post processing software.		
7	Post Processing and evaluation	(i) Licenses of all the post processing and evaluation packages should be provided for the main and additional console/ Workstation.		
		(ii) Specify clearly number wise the algorithms		

		that need licenses and a statement whether these have been provided in both the main console and the additional workstation (Satellite console/ extended workspace).		
	Special Application Packages.	(i) The vendor must provide their specialized and optimized imaging sequences In the Main Acquisition Console; Post processing packages in the Main Acquisition Console and additional workstation.		
		a) Neuro (Smart exam/Ready Suite/ Smart Brain/ etc.),		
		b) Body		
		c) Oncology,		
		d) Angio (including DSA approach, capturing arterial, capillary and venous phases in a single acquisition with a single bolus)		
		e) Ortho and MSK, Advanced version of Metal artifact reduction software should be provided as standard for imaging of joints with prosthesis and implants. Cartilage mapping with color coding and parametric maps should be provided .		
		f) Liver (including 3D T1 Fat sat for dynamic liver imaging)		
		g) Pediatric		
		h) Breast		
		i) Prostate		
		j) Necessary composing software for whole body applications. Smart Exam/ Smart Brain/ Ready Suite/Brain Dot Engine/ equivalent technique should be quoted in all available imaging packages.		
	i) MPR	(i) Multi planar reconstruction (MPR) in any arbitrary plane including curved planes with freely selectable slice thickness tend slice increments.		
		(ii) Surface Reconstruction and evaluation on reconstructed images with minimum time.		
		(iii) MIP in displaying in cine mode 2D and 3D mode, Targeted/segmented MIP in any orthogonal axis with minimum processing lime and capable of displaying in cine mode.		
	ii) ADC, perfusion, etc.	(i) Evaluation and display of diffusion images, ADC map, fMRI in reference of EPI optimized sequence.		
		(ii) Perfusion image evaluation with time intensity graph and other statistical parameters.		
		(iii) Evaluation package for calculating rCBV, rCBF, MTT, perfusion map, corrected CBV calculation; Fusion of perfusion map with Contrast enhanced 3D T1 images etc. Mention the package /software offered with		

		brochure.		
		(iv) Flow quantification and evaluation far vascular (high &. low) CSF, bladder outlet and cine display.		
	iii) Arterial Spin Labeling	2D / 3D ASL processing and quantification package in main console/additional workstation		
	iv) Liver Segmentatio n	Automatic Liver segmentation and volumetric analysis software.		
	v) Tractography	Post-processing package for DTI and Tractography, estimation of ADC, FA (Lambda parallel, perpendicular separately and combined), Fiber tracking, fiber statistics, and display of fiber tracts on anatomical images		
	vi) Image statistics	(i) Measurement of distance, area, volume, angle, mean, SD, image addition, subtraction, multiplication, division, interpolation, segmentation, threshold, histogram.		
		(ii) Image filtering and Image fusion software.		
		(iii) Software for co registering MRI/ fMRI/ MRS/ Metabolite mapping images with images from CT, PET, and SPECT.		
		(iv) Evaluation features like zoom, rotation, scroll, roaming, image synthesis, multi point Tl and T2 calculation (more than 8) window stretching, text dialogues graphics, sorting, search, archiving, recalling etc.		
	vii) Advanced organ specific imaging	Any advanced organ specific imaging with automatic planning, scanning and post-processing application should be quoted.		
	viii) Silent MRI	Silent MRI for neuro protocols including T1W, T2W imaging without any loss of image quality on all sequences (like Neuro Silent/ Sllenz, or equivalent), with noise less than 80 db. The quiet scanning should be without loss of SNR.		
	ix) Advanced Compress Sensing imaging	System should have the Advanced Compressed Sensing Imaging for high speed image acquisition for brain, body, MSK. Also offer simultaneously multi slab acquisition for diffusion and fmri of the brain.		
8	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 (at least 40 KVa) UPS and Voltage stabilizer with 30 mins backup for the other local supply items/equipment's.		
9	RF Cabin	The system should be supplied with the RF		

		cabin with RF room shielding, RF Door, RF window, and Interiors for the same should be carried our suitably.		
10	Safety features,Quality assurance and phantoms	(xi) The magnet system should include an Emergency Ramp Down unit (ERDU) for fast reduction of the magnetic field with ramp Down time below 3 minutes (xii) The magnet should have quench bands that contain the fringe fields to a specified value in the event of a magnet quench (xiii) Real time SAR calculation should be performed by software to ensure that RF power levels comply with regulatory guidelines and are displayed on each image (xiv) The system shall have manual override of the motor drive for quick displayed of the patients for the magnet bore (xv) Temperature sensor (built in) for magnet refrigeration efficiency must be provided (xvi) A CCTV system with color LCD/LED display to observe the patient transfer should be provided in the magnet room. (xvii) Phantoms for routine quality assurance for all coils (including body coil) (xviii) Fire Fighting System, Smoke Detectors in all rooms (except RF cabin) and 6 Fire Extinguishers all MRI Compatible (xix) Door / wall mounted Zone 4 Ferromagnetic detectors before entry into the magnet room : 1 set . (xx) Physical barrier / bollards to prevent direct entry of external metal objects into zone 3 / 4 : 2 sets	(xxi)	(xxii)
11	Standard MRI Accessories	(i) Rechargeable Handheld metal detectors (2 Nos.)		
		(ii) Walk through Metal detector with multiple sensor and multiple location LED (Zone III type) - 01 no		
		(iii) MR compatible Patient monitor and MR compatible Syringe Infusion pump. (2 Syringe		

		Infusion Volumes) (Annexure A1)		
		(iii) High Standard Ferro Guard should be installed at entrance of MR room to detect/alert ferromagnetic articles.		
		(iv) MRI Compatible Dual Syringe Pressure Injector: Independent dual Syringe Pressure Injector with following Features; Non-ferrous, automatic syringe size detection, performs single and dual phase contrast Injections, provides Saline flush delivery. (100 Nos of 50 ml Syringes with 100 nos. of tube connectors should be provided) Must be able to observe progress of Injection and view injection result at the working console.		
		(v) MR compatible anesthesia machine (Specifications are mentioned separately: Annexure A)		
		(vi) Two quantity: Non-magnetic IV stand		
		(vii) Two quantity: Digital Patient Weighing Scale (in the range between 0 to 200 kg)		
		(viii) MR compatible storage carts and wall mounted cabinets.		
		(ix) Adequate number of Coil cabinets to be provided.		
		(x) Network cable and other required materials for the complete installation to be provided by the supplier		
		(xi) MR compatible crash cart 1 no.		
		(xii) MR compatible instrument-trolley - 1 no.		
		(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.		
		(xiv) MR compatible wheelchair (Wardray/equivalent model) (with cushion, backrest and anti-rest) - 2 no.		
12	Antivirus s/w and Web updates	(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 .		
		(ii) The vendor should provide antivirus updates for entire life of the system and make sure of the updated antivirus every week using automatic- updates with internet facility by the vendor		

		(iii) The vendor should ensure that all the above modalities include necessary connection, image & work list send/receive, image and data storage, scheduling, patient registration, and synchronization functions as per DICOM standards for smooth and effective integration to RIS/PACS		
13	Other accessories	(i) Ten chairs with arm rest with medium back without casters (Godrej/Geeken make)		
		(ii) Table for the MRI console, MRI additional console/ Workstation. fMRI workstation.		
		(iii) Necessary Desk, chair and Rack for the Image Server & Workstation to be provided by the supplier		
		(iv) All the necessary interconnecting interfaces, cables, modules and other hardware and software to fully integrate the system for full operational status.		
		(v) Uninterrupted power supply (UPS) with sufficient capacity' (appropriate rating as required for MRI and chiller) for 30 minutes back up of the full load MR system and its accessories during patient MR imaging.		
		(vi) Two (quantity) MR compatible oxygen cylinders (for the anesthesia system)		
		(vii) Good quality air curtain at MRI entrance (for patient entry), to filter the dust and prevent the leakage of a/c.		
		(viii) Two high quality LED projector for conference room of reputed brand like Sony orequivalent.		
		(ix) Four Laptops with latest operating system (specifications to be discussed with department of Radiology) for viewing the images, reporting and making teaching presentations.		
		(x) 2 Qty - Osirix Medical Images Viewer (FDA Approved), with Apple iMac 24 inch screen (16GB RAM, 512GB SSD, Radeon ProGraphics 5500_4GB GDDR6, Magic keyboard, Mouse) and Osirix MD software with two licences.		
		(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 .		
		(xii) Adequate coverage of the MRI installation by CCTV cameras(minimum 5 nos)		
		(xiii) MRI Compatible ECG electrodes (100		

		Nos., Disposable Electrodes for MRI Image gating)		
		(xiv) MRI compatible Magill forceps: Adult & pediatric size- Two each		
		(xv) Stylet for endotracheal tube: Adult, pediatric size- Three each		
		(xvi) MRI compatible 1 set of Laryngoscope		
		(xvii) MRI compatible Clamps 2 Nos: Either towel clip or artery forceps.		
		(xviii) MRI Compatible ECG electrodes (100 Nos., Disposable Electrodes for MRI Image gating)		
		(xix) LED – 4 films view box for 14" X 17" film size – 5 No.s		
		(xx) MRI compatible pulse oximeter – 1 No.		
		(xxi) Dictation software – Dragon Medical Pro / Augnito with 5 licenses for the entire period of use of MRI machine		
		(xxii) 1 colour paper printer		
		(xxiii) 2 black and white paper laser printer cum scanner.		
		(xxiv) 4 black and white paper laserjet printers.		
		(xxv) MRI Compatible Stethoscope – 2 nos.		
		(xxvi) Disposable Ear Pads & Ear Plugs to reduce noise while imaging in children & adults –5000 Nos		
		(xxvii) Two dehumidifiers for an area of 700 Sq feet		
		(xxviii) One number 4k LED smart TV (minimum 65 "size) for conduction of academic activities like webinar and seminars.		
14	Training	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.		
15	Special Conditions	Please see Annexure for special conditions, including warranty and CMC.		
	1	Original Product Datasheet of main unit and all accessories, including third party items to be provided.		
		All agreements should be binding on Principal. The principals should be responsible for any lacuna or deficit in service or supply.		
	2	All items in the supply order should be supplied during the time of installation. No exceptions will be allowed.		

	3	Items under Research Agreement should be finalized well in advance after receipt of supply order), so that there is no delay in delivery of software or coil or any other accessories.		
	4	Software updates [where hardware upgrades are not required) should be provided within one month after release worldwide (any country, viz. North America / Europe / Germany, etc.). In case, the same is not provided in time, the parent company should undertake the responsibility to implement the same. This is to make sure that the machine stays updated with similar products for entire life of the system.		
	5	System should be regularly maintained at latest computing platform. If hardware required for the same, should be provided at no cost during entire life of system.		
	6	Any exclusive items available with the vendor should be quoted as an option. The price of the same will not be considered for L1 purposes.		
	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 (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.		
	2	Note: any Liquid Helium filling, due to quenching or due to any other causes during the warranty period shall be borne by the firm. (except purchaser fault)		
	POST GUARANTEE ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT (CMC):			
	1	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. 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 .		
	2	Note any Liquid Helium filling due to quenching or due to any other causes during the CMC period shall be borne by the firm. (Please review – will be a costly affair)		
16	MRI COMPATIBLE ANAESTHESIA MACHINE, MRI COMPATIBLE INFUSION PUMP &MRI COMPATIBLE MONITOR – as per Annexure A1.			
17	SITE MODIFICATION WORK - 3 T MRI SYSTEM – for 3000 square feet area			
	ANNEXURE A1			
	SPECIFICATION FOR MRI COMPATIBLE ANAESTHESIA MACHINE , MRI COMPATIBLE MONITOR AND MRI COMPATIBLE INFUSION PUMP			
	MRI COMPATIBLE ANAESTHESIA MACHINE SPECIFICATIONS (Drager/ Damaica /Penlon/ GE or equivalent)			
	Should be MRI compatible at 3 T, antistatic, heavy frame & base with good quality castors with front brakes, with following features:			
	1.	Three gas model, viz Oxygen, Nitrous oxide and Air		
	2.	Should be compact, ergonomic, easy to use and easy to maintain.		
	3.	Should have separate fresh gas outlet for use in open circuit.		
	4.	Machine should have flow matters for Oxygen, Nitrous oxide and air. Emergency oxygen flush should be available. There should be facility to select oxygen air or oxygen nitrous oxide with the help of a separate switch or knob.		
	5.	Dural flow sensing capability at inhalation and exhalation ports.		
	6.	Should have paramagnetic /galvanic cell oxygen sensors. In case of galvanic cell sensors, the firm should supply free sensors for the entire warranty period of 3 years. In case of paramagnetic sensors, the firm shall ensure that there is no down time during repair of these sensors (if necessary) and provide a standby alternative.		
	7.	Shall have back-up O_2 control which provides an independent fresh gas source and flow meter control in case of failure.		
	8.	Pressure regulators shall be of modular design.		

	9.	Should have oxygen fall-safe device & an auxiliary built in oxygen flow meter.		
	10.	Electronic or Mechanical Hypoxic Guard to ensure minimum 25% O_2 across all O_2 N_2O mixture and Oxygen Failure Warning.		
	Vaporisers:			
	1.	Facility of mounting minimum two Vaporizers, latest technology, key filler, selected type, tool free installation, meaning any vaporizer of our choice can be mounted at will with interlocking facility. It should be preferably of the same make as that of machine.		
	2.	Temperature, pressure and flow compensated with high accuracy of delivered concentration of volatile anesthetic agent, should be maintenance free.		
	3.	Two vaporizers should be supplied (Isoflurane, Sevoflurane)		
	Ventilator:			
	1.	The machines should have an integrated Anesthesia Ventilator system, facility to vary respiratory parameters and should be able to ventilate adult and pediatric patients including infants.		
	2.	Ventilator should have Controlled, manual, spontaneous modes and provision for PEEP		
	3.	Tidal volume (inspired and expired), respiratory rate, I: E ratio, minute volume, Airway pressure, & FiO2 should be continuously displayed.		
	4.	Should have Tidal volume and fresh gas compensation mechanism		
	5.	Audio-visual Alarms for high and low settings of pressure, volume and disconnection should be present.		
	6.	Tidal Volume (VT) 20-1500ml. (Volume Control). Rate at least 4-80 BPM.		
	7.	Inspiratory /Expiratory ratio (I:E) 2.1 to 1.6, & Peak Flow – 100 to 1201/min.		
	8.	Ventilator should have at least 30 min rechargeable battery backup for ventilator.		
	9.	Machine should have an integrated breathing circuit with circle absorber of good quality, easy to clean, autoclavable, fewer parts to reduce leaks.		
	10.	Machine should have mounting capability of one O_2 and one N.O pin-indexed cylinder.		
	11.	Adult (2 sets) breathing circuits & one pediatric circuit to be provided.		
	MRI COMPATIBLE MONITOR			
	Specifications for MRI compatibility:			
	1.	Monitor should be equipped with MRI shielding and set to Remote Communication Mode.		
	2.	Should be MRI safe at 5,000 Gauss, 3.0 Tesla and 4 W/ Kg SAR		
	3.	System should include fiber optic SPo2 finger sensor, MRI compatible ECG Patient Leads and electrodes, NIBF cuffs, hoses and etCO2 sampling kit and temperature		

		probe		
	General specifications for monitor:			
	1.	The monitor should have adult and neonatal applications and should be user friendly.		
	2.	It should be capable of monitoring ECG, noninvasive blood pressure, oxygen saturation (SpO_2), ETCO2 and temperature		
	3.	It should have an internal battery which should last for 30-40 min.		
	4.	It should be operational at wide temperatures (10^0C to 40^0C) and humidity (20% to 90%)		
	5.	It should have a facility of 24 hours data storage of trended parameters and trend graph of 1, 2, 3, 6, 12 or 24 hours display format.		
	6.	Should have a facility to deactivate all the alarms if necessary.		
	ECG monitoring: Essential specifications:			
	1.	Available leads: I, II, III, V, AVR, AVL, AVF with facility for recording 12 lead ECG.		
	2.	Should display one or all the selected leads at a time		
	3.	Accuracy of + 5% of the rate.		
	4.	Monitor Mode: Digital Signal Processing (DSP)		
	5.	T-wave suppression for high field MRI		
	6.	Should have arrhythmia monitoring facility:		
	7.	Should have user selectable alarms.		
	8.	Heart rate measuring range 15-300 beats/min.		
	Pulse Oximeter (SpO_2)			
	1.	Should provide a digital value of the arterial oxygen saturation as well as diagnostic plethysmography pulse waveform.		
	2.	Measurement range: 0% to 100%		
	3.	User selectable upper and lower alarm limits.		
	4.	Probes with finger and ear sensors for adult, pediatric and neonatal use.		
	5.	Should be sensitive and function accurately even at low perfusion states of low blood pressure or hypothermic conditions.		
	ETCO2: monitoring:			
	1.	Should have side stream CO_2 module and display both graphically and numerically.		
	2.	Single beam, non-dispersive infrared (NDIR) absorption, radiometric measurement, no moving parts		
	3.	Initialization time less than 10 seconds, full specifications within 1-2 minutes		
	4.	CO_2 range should be 0 to 152 mm Hg barometric pressure supplied by module itself		
	5.	Should be able to detect breath rate in the range of 20-150 BPM		
	6.	Respiratory rate accuracy should be + 1 breath		

	7.	Barometric Pressure auto compensated from 400 mm Hg to 850 mm Hg Operator selectable O2, N2O, HE and Agent compensation.		
	8.	No routine user calibration required. An offset calibration should run automatically when the ambient temperature is not stable.		
	9.	Sampling line should have both nasal sampling line and extension sampling line		
	10.	Warm up time 10 seconds		
	Temperature monitoring:			
	1.	Measuring range: 5 to 50^0C		
	2.	Accuracy + 1^0C		
	3.	User selectable upper and lower limit of alarm.		
	4.	Core and skin probes		
	Noninvasive blood pressure (NIBP) monitoring:			
	1.	Should automatically sense infant/adult cuffs and set appropriate inflation pressure and safety limits.		
	2.	Operating Modes: Automatic, Manual Stat		
	3.	Accessories, NIBP cuff: d. Adult for thigh and arm e. Pediatric f. Neonatal		
	Following accessories /consumables to be supplied with MR compatible Patient Monitor (including the standard supply) -			
	1.	Adult Reusable Cuff (27 -35 cm) - 2 qty		
	2	Infant Reusable Cuff (9-15 cm) -2qty		
	3.	Large Adult Reusable Cuff (34-44 cm) 2 qty		
	4.	Pediatric Reusable Cuff(14 – 21.5 cm)- 2 qty		
	5.	Small Adult Reusable Cuff (20.5 -28.5 cm) -2 qty		
	6.	NIBP Hose - 2 qty		
	7.	Reusable Adult SPO2 Probe- 2qty		
	8.	Reusable Pediatric SPO2 Probe- 2qty		
	9.	Reusable Neonatal SPO2 Probe- 2qty		
	10.	Neonatal Disposable SpO2 wraps – 100 qty		
	11.	Reusable Temperature probe/Sensor- 2 qty		
	12.	ECG electrodes – 500 qty		
	13.	EtCO2 Filtered samaple line extension – 50 qty		
	14.	Adult Oral/Nasal cannula – 50 qty		
	15.	Pediatric Oral/Nasal Cannula -50 qty		
	16.	Infant Nasal Cannula – 50 qty		
	17.	Nomoline Agent Sample Line (2.0 m)- 50 nos.		
	General Condition:-			
	A.	All the above equipments shall be new and manufactured from virgin materials. All the requirements of this supply shall be necessary sourced from the original equipment manufacturer of the model quoted which shall not be necessary sourced from the original equipment manufacturer of the model quoted but should be compatible with the quoted model. In case the machine is imported one no import substitution is permitted neither		

		before the award nor after the award for any part or accessory. "Third party inspection certificate should be applied from the port of origin of shipping of equipment (from the parent companies country of origin).		
	B.	Equipment shall operate on 230 V, single phase, 50 Hz electric supply. The necessary protective relaying / circuitry shall be there with the machines. The mains supply voltage variation may be max.±10% and frequency variation maximum ±3 %.		
	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. 2) The following accessories viz. anesthesia workstation with ventilator , patient monitor, dual head pressure injector, Dry Chemistry Imager shall be having valid CE and US FDA approval. Documentary evidence to that effect shall be submitted in packet B. 3) Rest of the accessories should have valid CE or USFDA 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 elsewhere in tender document.		
	D.	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 toBMC .		
	E.	The equipments should be provided with one hard copy in original of the detailed service manual and operation manual. Further, a soft copy is also required.		
	F.	The equipment must be tropicalized as below: Operating room temperature: upto 40° C Storage room temperature: upto 60º C Relative Humidity: upto 90% Non-condensing		
	G.	Among the other things, the responsiveness of the bid will		

		be based on successful demonstration of the offered model of the equipments to BMC officials as mentioned elsewhere in the tender specifications.		
	H.	The bidder has to submit users list with address & contact telephone number/s.		
	I.	Prospective tenderers should have a full-fledged and well-established service centre in Mumbai with engineers qualified in servicing of **3T 64 Channel MRI System**. Please provide details of the same in Annexure – 1.		

Note:-The quoted product shall be available on the current official website of the manufacturer and the website link/ web address shall be provided in Annexure- 8

I/We have gone through all the details tender specification of BMC and offered our specification as mentioned above.

I also undertake o supply the equipment as per same specification quoted by me.

Full Signature of the tenderer
with Official Seal &

Address

ANNEXURE-9A

Tender No. Dy.Ch.E./CPD/ 10 /TDR /AE-5 of 2025-26

e-Tender ID-2025_MCGM_1173632_1

PRO-FORMA FOR MANUFACTURER'S LETTER

(If tender is submitted by Indian or foreign manufacturer)

(To be uploaded in PACKET A)

To,
Municipal Commissioner,
BMC Mumbai.

Sir,

Reference: - Your E-Tender Document No. _____ dated _____.

I/ We ,_____ who are an established and reputed manufacturer of (name of medical equipment) having factory/factories at _____, hereby state that we have (name of medical equipment) manufacturing unit/units as per tender condition. We hereby agree to manufacture the (name of medical equipment) as per the tender specification.

Also I/we declare that our manufacturing unit has output of _____ units /year and during previous five years manufactured ____ units, year wise breakup is as follows.

1._____
2. _____
3._____
4._____
5._____

We also hereby extend our full warranty, Annual Maintenance Contract, Comprehensive Maintenance Contract as applicable for the goods and services offered for supply of medical equipment against this tender document.

Yours faithfully

(Signature with Date, Name, & designation and stamp.)
of manufacturer i.e. M/s. _____
E-mail ID
Contact Details:

Note: 1) This letter shall be on the letter head of the manufacturing firm in same format and shall be signed by a person competent and having the power of attorney to legally bind the manufacturer.

2) Original letter shall be uploaded during the submission of Tender.

ANNEXURE-9B

Tender No. Dy.Ch.E./CPD/ 10 /TDR /AE-5 of 2025-26
e-Tender ID-2025_MCGM_1173632_1
PRO-FORMA FOR MANUFACTURER'S LETTER
(For foreign manufacturer's only)
(To be uploaded in PACKET A)

To,
Municipal Commissioner,
BMC Mumbai.

Sir,

Reference: - Your E-Tender Document No. _____ dated _____.
I/ We ,_____ who are an established and reputed manufacturer of (name of medical equipment) having factory/factories at _____, hereby state that we have (name of medical equipment) manufacturing unit/units as per tender condition.
Our 100% Indian subsidiary / subsidiary of Principle foreign manufacturer /sister concern/associate/affiliate/joint venture- registered in India (In case of Foreign Manufacturer only) are submitting this tender against your requirement as contained in the above referred tender document for the above materials. We hereby agree to manufacture the (name of medical equipment) as per the tender specification.
I/We state that the price quoted by M/s _____ Our 100% Indian subsidiary / subsidiary of Principle foreign manufacturer /sister concern/associate/affiliate/joint venture- registered in India for this tender is reasonable and not higher than what we would have quoted, had we participated in this tender.
Also I/we declare that our manufacturing unit has output of _____ units /year and during previous five years manufactured ____ units, year wise breakup is as follows.
1._____
2. _____
3._____
4._____
5._____
We also hereby extend our full warranty, Annual Maintenance Contract, Comprehensive Maintenance Contract as applicable for the goods and services offered for supply of medical equipment against this tender document.

Yours faithfully

(Signature with Date, Name, & designation and stamp.)
of manufacturer i.e. M/s. _____
E-mail ID
Contact Details:

Note:1) This letter shall be on the letter head of the manufacturing firm in same format and shall be signed by a person competent and having the power of attorney to legally bind the manufacturer.
1) Original letter shall be uploaded during the submission of Tender.

ANNEXURE-9C

Tender No. Dy.Ch.E./CPD/ 10 /TDR /AE-5 of 2025-26

e-Tender ID-2025_MCGM_1173632_1

PRO-FORMA FOR MANUFACTURER'S LETTER

(For foreign manufacturer's only)

(To be uploaded in PACKET A)

To,
Municipal Commissioner,
BMC Mumbai.

Sir,

Reference: - Your E-Tender Document No. _____ dated _____.

I/ We ,_____ who are an established and reputed manufacturer of (name of medical equipment) having factory/factories at _____, hereby state that we have (name of medical equipment) manufacturing unit/units as per tender condition.

I/We ourselves hereby certify that M/s _____ Distributor /Dealer / Importer /Traders/agent appointed by us are submitting this tender against your requirement as contained in the above referred tender document for the above materials. We hereby agree to manufacture the (name of medical equipment) as per the tender specification.

I/We state that the price quoted by M/s _____ Distributor /Dealer / Importer /Traders/agent appointed by us in India for this tender is reasonable and not higher than what we would have quoted, had we participated in this tender.

Also I/we declare that our manufacturing unit has output of _____ units /year and during previous five years manufactured ____ units, year wise breakup is as follows.

1._____
2. _____
3._____
4._____
5._____

We also hereby extend our full warranty, Annual Maintenance Contract, Comprehensive Maintenance Contract as applicable for the goods and services offered for supply of medical equipment against this tender document.

Yours faithfully

(Signature with Date, Name, & designation and stamp.)
of manufacturer i.e. M/s. _____
E-mail ID
Contact Details:

Note:1) This letter shall be on the letter head of the manufacturing firm in same format and shall be signed by a person competent and having the power of attorney to legally bind the manufacturer.

2) Original letter shall be uploaded during the submission of Tender.

ANNEXURE -10
Tender No. Dy.Ch.E./CPD/ 10 /TDR /AE-5 of 2025-26
e-Tender ID-2025_MCGM_1173632_1
(To be uploaded in Packet B)

EXPERIENCE CERTIFICATE

"M/s _____ have supplied their model _____ to our institution in _____ (month/year). The unit is working satisfactorily and the service support is adequate".

Signature and designation of the
Authorized officer issuing certificate
Contact details :
E-mail ID:

NOTE:

1) Experience Certificate in respect of supply of a _____ unit to State Government / Central Government or their undertaking / Semi Government Bodies / Local bodies / Large Corporate hospitals - more than 200 beds (without disclosing rates therein) should be supplied in the above mentioned format.
2) The above mentioned certificates which must be valid and current on the due date should be uploaded.
3) Experience Certificate should be in the name of Bidder or Manufacturer or **their other distributors** Scanned copies shall be uploaded in the Packet "B".

Bidder/Manufacturer shall provide certified copies of the Executed purchase orders along with completion certificates in support of the experience.

PROFORMA FOR Statement of experience Certificate

(For the period of last five years)

Tender No. Dy.Ch.E./CPD/ 10 /TDR /AE-5 of 2025-26
e-Tender ID-2025_MCGM_1173632_1
(To be uploaded in Packet 'B')

Tender Reference No. :_____

Date of Opening : _____

Time : _____

Name & Address of the Tenderer: _____

Name & Address of manufacturer: _____

Order placed by (Full address of Purchase/ Consignee)	**Description and quantity of ordered goods and services**	**(attached documentary proof)****
1	2	3

Signature & seal of the Tenderer

Note : Experience Certificate should be in a name of the bidder or manufacturer **or their other distributors**.

Bidder/Manufacturer shall provide certified copies of the Executed purchase orders along with completion certificates in support and performance certificates of the experience.

Specify how much quantity of products were supplied to the State Government / Central Government or their undertaking / Semi Government Bodies / Local Bodies/ Large Corporate hospitals - more than 200 beds as shown below. (Use separate sheet, if necessary)

ANNEXURE -11

Tender No. Dy.Ch.E./CPD/ 10 /TDR /AE-5 of 2025-26
e-Tender ID-2025_MCGM_1173632_1
(To be uploaded in Packet 'A')
AUTHORISATION LETTER FOR ATTENDING TENDER OPENING

To,

The Municipal Commissioner,
BMC

Subject: Tender No. _____
due on

Sir,

Mr..... has been authorized to be present at the time of opening of above tender due on _____ at 16:00 hrs on my/our behalf.

Yours faithfully,
Signature and seal of the tenderer

Specimen Signature of representative

Note:- Photo ID of Representative is compulsory

ANNEXURE – 12

TENDER FORM

Tender No. Dy.Ch.E./CPD/ 10 /TDR /AE-5 of 2025-26

e-Tender ID-2025_MCGM_1173632_1

(To be uploaded in Packet 'A')

Tender / Quotation dated …….20……

Standing Committee Resolution No_____ Dated_____/Mayor's/ Addl. Municipal Commissioner's/DMC's Sanction No. _____ Dated_____

CONTRACT FOR THE WORK ……..

……

This agreement made this day of ….. …… ……. ……

Two thousand ……..... Between

…….

…….

Inhabitants of Mumbai, carrying on business at …….. …… ……

……..

In Bombay under the style and name of Messrs ……. "the contractor of the one part and Shri. …….

The Dy. Municipal Commissioner (CPD) (hereinafter called "the commissioner" in which expression are included unless the inclusion is inconsistent with the context, or meaning thereof, his successor or successors for the time being holding the office of Dy. Municipal Commissioner (CPD) of the second part and the Brihanmumbai Mahanagarpalika (hereinafter called "the Corporation") of the third part, WHEREAS the contractor has tendered for the construction, completion and maintenance of the works described above and his tender has been accepted by the Commissioner with the approval of the ***Standing Committee /Mayor's/ Addl. Municipal Commissioner's/DMC's*** of the Corporation.

NOW THIS AGREEMENT WITNESSETH as follows:-

1) In this agreement words and expressions shall have the same meanings as are respectively assigned to them in the General conditions of Contract for works hereinafter referred to:-

2) The following documents shall be considered an integral part of the contract, irrespective of whether these are not appended / referred to in it.

1) Letter of Acceptance

2) The Contractor's Bid

3) Addendum to Bid, if any

4) ***Tender Document including***

a) The Bill of Quantities / Price Packet

b) The specifications

c) The General conditions of Contract

d) The Special conditions of Contract

5) Final written submissions made by the contractor during negotiations, if any

6) All correspondence documents between bidder and BMC.

7) Integrity Pact

2) In consideration of the payments to be made by the Commissioner to the contractor as hereinafter mentioned the contractor hereby covenants with the Commissioner to supply, installation, Testing, Commissioning and CMC in conformity in all respects with the provision of the contract.

3) The Commissioner hereby covenants to pay to the Contractor in consideration of the supply, installation, Testing, Commissioning and CMC, the contract sum, at times and in the manner prescribed by the contract.

IN WITNESS WHERE OF the parties hereto have caused their respective common seals to be herein to affixed (or have hereunto set their respective hands and seals) the day and year above written.

SIGNED, SEALED AND DELIVERED
By_____
Of_____
In the presence of
1)_____
2)_____ ***CONTRACTOR***

SIGNED, SEALED AND DELIVERED
By_____
D.M.C.(C.P.D.) in the presence of
1)_____
2)_____ ***D.M.C.(C.P.D.)***

The Common Seal of the Municipal
Corporation of Greater Mumbai was
Affixed on this _____day of _____ ***S E A L***
Two Thousand_____ in the presence of
1)_____
2)_____

Two members of the Standing Committee
Of the Brihanmumbai Municipal Corporation
Witness_____
Municipal Secretary_____
_____

Contract examined with the Tender and Resolution of the Standing Committee No._____ of _____ and found correct.

ANNEXURE – 13
Tender No. Dy.Ch.E./CPD/ 10 /TDR /AE-5 of 2025-26
e-Tender ID-2025_MCGM_1173632_1
(To be uploaded in Packet 'A')

DETAILS OF LITIGATION HISTORY

1. I M/s. …….. participating in the above subject Bid, here by declared that there is no litigation history against me during the last 5 years, prior to due date of the tender.

Or

2. I M/s. …….. participating in the above subject Bid, here by declared that the litigation history against me during the last 5 years, prior to due date of the tender, is as under

Sr. No.	Year	Action taken	Name of the Organization	Remarks
1.				
2.				
3.				
4.				
5.				

I further declared that information furnished above is correct, and in future, if BMC finds that information disclosed is false or in complete, then BMC can directly disqualify my bid and can initiate penal action including blacklisting of the firm.

Full Signature of the tenderer with Official Seal and Address

(The above undertaking shall be submitted by the bidder on Rs 500/- stamp paper)

ANNEXURE – 14

Tender No. Dy.Ch.E./CPD/ 10 /TDR /AE-5 of 2025-26
e-Tender ID-2025_MCGM_1173632_1

(To be uploaded in Packet 'A')
FORM OF INTEGRITY PACT

This Agreement (hereinafter called the Integrity Pact) is entered into on ----------day of the ----------month of 20---- between Brihanmumbai Municipal Corporation acting through Shri ----------(Name and Designation of the officer) (hereinafter referred to as the "BMC" which expression shall mean and include, unless the context otherwise requires, his successors in office and assigns) of the First Part and M/s. ----------(Name of the company) represented by Shri ----------, Chief Executive Officer / Authorised signatory (Name and Designation of the officer) (hereinafter called as the "Bidder / Seller" which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns) of the Second Part.

WHEREAS THE BMC invites for the ----------

(Name of the Stores / Equipment / Service, Tender No. & Date) and the Bidder /Seller is willing to submit bid for the same and

WHEREAS the BIDDER is a private Company / Public Company/ Government Undertaking / Partnership Firm / Ownership Firm / Registered Export Agency, constituted in accordance with the relevant law in the matter and the BMC is Urban Local Body.

NOW, THEREFORE

To avoid all forms of corruption by following a system that is fair, transparent and free from any influence / prejudiced dealings prior to, during and subsequent to the currency of the contract to be entered into with a view to:-

Enabling the BMC to obtain the desired said stores / equipment / services / works at a competitive price in conformity with the defined specifications by avoiding the high cost and the distortionary impact of corruption on public procurement, and

Enabling SERVICE PROVIDERS to abstain from bribing or indulging in any corrupt practice in order to secure the contract by providing assurance to them that their competitors will also abstain from bribing and other corrupt practices and the BMC will commit to prevent corruption, in any form, by its officials by following transparent procedures. In order to achieve these goals, the BMC will appoint an external independent monitor who will monitor the tender process and execution of the contract for compliance with the principles mentioned above.

The parties hereto agree to enter into this Integrity Pact and agree as follows:-

1. COMMITMENTS OF THE BMC

1.1 BMC commits itself to take all measures necessary to prevent corruption and follow the system, that is fair, transparent and free from any influence / prejudice prior to, during and subsequent to the currency of the contract to be entered into to obtain stores / equipments / services at a competitive prices in conformity with the defined specifications by avoiding the high cost and the distortionary impact of corruption on public procurement.

1.2 The BMC undertakes that no employee of the BMC, connected directly or indirectly with the contract, will demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the BIDDER, either for themselves or for any person, organization or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the contract.

1.3 BMC will during tender process treat all service providers with equity and reason. The BMC before and during tender process provide to all service providers the same information and will not provide to any bidder any confidential / additional information through which the bidder could obtain an advantage in relation to the tender process or execution of contract.

1.4 In case any such proceeding misconduct on the part of such official(s) is reported by the Bidder to the BMC with full and verifiable facts and the same is prima facie found to be correct by the Brihanmumbai Municipal Corporation, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the BMC and such a person shall be debarred from further dealings related to the contract process. In such a case while an enquiry is being conducted by the BMC the proceedings under the contract would not be stalled.

2. COMMITMENTS OF THE SERVICE PROVIDERS / CONTRACTORS

2.1 The Bidder commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre-contract or post-contract states in order to secure the contract or in furtherance to secure it.

2.2 The Service providers will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BMC, connected directly or indirectly with the bidding process or to any BMC person, organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the contract.

2.3 The Bidder further undertakes that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BMC or otherwise in procuring the contract or forbearing to do or having done any act in relation to the obtaining or execution of the contract or any other contract with BMC for showing or forbearing to show favour or disfavor to any person in relation to the contract or any other contract with BMC.

2.4 The Service providers/ Contractors will not enter with other service providers into any undisclosed agreement or understanding, whether formal or informal, in particular regarding prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

2.5 The Service providers / Contractors will not commit any offence under relevant anti corruption laws of India. Further, the service providers will not use improperly, for purposes of competition for personal gain or pass on to others, any information or document provided by BMC as part of the business relationship regarding plans, technical proposals and business details including information obtained or transmitted electronically.

2.6 The Service providers/ Contractors of foreign origin shall disclose the names and addresses of agents /representatives in India, if any, and Indian bidder shall disclose their foreign principles or associates.

2.7 The Bidder shall not lend to or borrow any money from or enter into any monitory dealings or transactions, directly or indirectly, with any employee of the BMC.

2.8 The Bidder will not bring any Political, Governmental or diplomatic influence to gain undue advantage in its dealing with BMC.

2.9 The Bidder will promptly inform the Independent External Monitor (of BMC) if he receives demand for a bribe or illegal payment / benefit and If he comes to know of any unethical or illegal practice in BMC

2.10 The Service providers / Contractors will disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract while presenting his bid.

2.11 The Service providers / Contractors shall not lend to or borrow any money from enter into any monetary dealings directly or indirectly, with any employee of the BMC or his relatives.

2.12 The Bidder will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.

2.13 The Service providers / Contractors will undertake to demand from all sub contractors a commitment in conformity with this Integrity Pact.

2.14 The service providers / Contractors will not instigate third persons to commit offences outlined above or be an accessory to such offences.

3. PREVIOUS TRANSGRESSION

3.1 The Bidder declares that no previous transgressions occurred in the last 3 years immediately before signing of this Integrity Pact, with any other company in any country or with Public Sector Enterprises in India in respect of any corrupt practices envisaged hereunder that could justify BIDDER's exclusion from the tender process.

3.2 If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract if already awarded, can be terminated for such reasons.

4. DISQUALIFICATION FROM TENDER PROCESS AND

EXCLUSION FROM FUTURE CONTRACTS

If the Service providers/ Contractors or anyone employee acting on his behalf whether or without the knowledge of the Bidder before award of the contract has committed a transgression through a violation of aforesaid provision or in any other form such as put his reliability or credibility into question, the BMC is entitled to exclude the bidder from the tender process or to terminate the contract if already signed and take all or any one of the following actions, wherever required..

4.1 To immediately call off the pre contract negotiations without assigning any reason or giving any compensation to the Bidder. Further, the proceedings with the other Service providers would continue.

4.2 The Earnest Money Deposit (in pre-contract stage) and/or Security Deposit / Performance Bond (after the contract is signed) shall stand forfeited either fully or partially, as decided by the BMC and BMC shall not be required to assign any reasons therefore.

4.3 To immediately cancel the contract, if already signed, without giving any compensation to the Bidder.

4.4 To recover all sums already paid with interest thereon at 5% higher than the prevailing Base rate of State Bank of India.

4.5 If any outstanding payment is due to the Bidder from BMC in connection with any other contract, such outstanding payment could also be utilized to recover the aforesaid sum and interest.

4.6 To encash any advance Bank Guarantee and performance bond/warranty, if furnished by the Bidder, in order to recover the payment already made by BMC along with interest.

4.7 To cancel all other contracts with the Bidder. The Bidder shall be liable to pay compensation for any loss or damages to the BMC resulting from such cancellation / rescission and the BMC shall be entitled to deduct the amount so payable from the money due to the Bidder.

4.8 Forfeiture of Performance Bond in case of a decision by the BMC to forfeit the same without assigning any reason for imposing sanction for violation of the Pact.

4.9 The decision of BMC to the effect that the breach of the provisions of this Pact has been committed by the Bidder shall be final and conclusive on the Bidder.

4.10 The Bidder accepts and undertakes to respect and uphold the absolute right of BMC to resort to and impose such exclusion and further accepts and undertakes not to challenge or question such exclusion on any ground including the lack of any hearing before the decision to resort to such exclusion is taken.

4.11 To debar the Service providers/ Contractors from participating in future bidding process of BMC for a minimum period of three years.

4.12 Any other action as decided by Municipal Commissioner based on the recommendation by Independent External Monitors (IEMs).

5. FALL CLAUSE

5.1 The Bidder undertakes that it has not supplied similar products / systems or subsystems in the past six months in the Maharashtra State for quantity variation upto -50% or +10%, at a price lower than that offered in the present bid in respect of any other Ministry / Department of the government of India or

PSU or BMC and if it is found at any stage that similar products / systems or sub systems was supplied by the BIDDER to any other Ministry / Department of the Government of India or a PSU or BMC at a lower price, then that very price will be applicable to the present case and the difference in the cost would be refunded by the BIDDER to the BMC, if the contract has already been concluded, else it will be recovered from any outstanding payment due to the bidder from BMC.

6. EXTERNAL INDEPENDENT MONITOR / MONITORS

6.1 The BMC appoints competent and credible external independent Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the Parties comply with the obligations under this Agreement.

6.2 The Monitor is not subject to instructions by the representatives of parties and perform his functions neutrally and independently and report to the Municipal Commissioner / concerned Additional Municipal Commissioner.

6.3 Both the parties accept that the IEM has the right to access, without restriction, to all documentation relating to the project / procurement, including minutes of meetings.

6.4 The Bidder shall grant the IEM upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to sub contractors.

6.5 The IEM is under contractual obligation to treat, the information and documents of the Bidder/Contractor/sub-contractor,with confidentiality.

6.6 The BMC will provide to the IEM sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the parties. The parties will offer to the IEM the option to participate in such meetings.

6.7 As soon as the IEM notices, or believes to notice, a violation of this Agreement, he will so inform the Additional Municipal Commissioner. The IEM can in this regard submit non-binding recommendations. If Additional Municipal Commissioner has not, within a reasonable time, taken visible action to proceed against such offence, the IEM may inform directly to the Municipal Commissioner.

6.8 The IEM will submit a written report to the Municipal Commissioner / Additional Municipal Commissioner within 8 to 10 weeks from the date of service or intimation to him by BMC/ Bidder and should the occasion arise, submit the proposal for correcting problematic situations.

6.9 The word "IEM" would include both singular and plural.

6.10 Bothe parties accept, that the recommendation of IEM would be in the nature of advise and would not be legally binding. The decision of Municipal Commissioner in any matter/ complain will be the final decision.

7. VALIDITY OF THE PACT

7.1 The validity of this Integrity Pact shall be from the date of its signing and extend upto two years or the complete execution of the contract to the satisfaction of both the BMC and BIDDER / Seller,

including warranty period, whichever is later. In case BIDDER is unsuccessful, this Integrity Pact shall expire after six months from the date of the signing of the contract.

7.2 If any claim is made/ lodged during the validity of this contract, such claim shall be binding and continue to be valid despite the lapse of this pact unless it is discharged / determined by the Municipal Commissioner / Additional Municipal Commissioner of the BMC

8. FACILITATION OF INVESTIGATION

In case of any allegation of violation of any provisions of this Pact or payment of commission, the BMC or its agencies OR Independent External Monitor shall be entitled to examine all the documents including the Books of Accounts of the BIDDER and the BIDDER shall provide necessary information and documents in English and shall extend all possible health for the purpose of such examination.

9. MISCELLANEOUS

9.1 This Agreement / Pact is subject to the Indian Laws, place of performance and jurisdiction is the registered office of the BMC i.e. Mumbai and the actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extent law in force relating to any civil or criminal proceedings.

9.2 If the Contractor is a partnership, this Agreement must be signed by all partners members.

9.3 Should one or several provisions of this Agreement turn out to be invalid, the remainder of this Pact remains valid. In this case, the Parties will strive to come to an Agreement to their original intentions.

10. The Parties hereby sign this Integrity Pact at ----------on----------

BMC	BIDDER/SELLER
Signature	---------- ----------
Name of officer	---------- ----------
Designation	---------- ----------
Name of Company	---------- ----------
Address	---------- ----------
	---------- ----------
Dated	---------- ----------
WITNESS-1(BMC)	Witness-1(BIDDER/SELLER)
Signature	---------- ----------
Name of officer	---------- ----------
Designation	---------- ----------

Name of Company ---------- ----------

Address ---------- ----------

---------- ----------

Dated ---------- ----------

(The above undertaking shall be submitted by the bidder on Rs 500/- stamp paper)

ANNEXURE – 15
Tender No. Dy.Ch.E./CPD/ 10 /TDR /AE-5 of 2025-26
e-Tender ID-2025_MCGM_1173632_1
INTERNAL GRIEVANCE REDRESSAL MECHANISM

BMC has formed a Grievance Redressal Mechanism for redressal of bidder's grievances. Any Bidder or prospective Bidder aggrieved by any decision, action or omission of the procuring entity being contrary to the provisions of the tender or any rules or guidelines issued therein, in Packet "A", "B"&"C" can make an application for review of decision of responsiveness in Packet "A, 'B'&'C within a period of 7 days or any such other period, as may be specified in the Bid document.

While making such an application to procuring entity for review, aggrieved bidders or prospective bidders shall clearly specify the ground or grounds in respect of which he feels aggrieved.

Provided that after declaration of a bidder as a successful in Packet A (General Requirements), an application for review may be filed only by a bidder who has participated in procurement proceedings and after declaration of successful bidder in Packet 'B' (Technical Bid) an application for review may be filed only by successful bidders of Packet A Provided further that, an application for review of the financial bid can be submitted by the bidder whose technical bid is found to be acceptable/responsive.

Upon receipt of such application for review, BMC may decide whether the bid process is required to be suspended pending disposal of such review. The BMC after examining the application and the documents available to him, give such reliefs, as may be considered appropriate and communicate its decision to the Applicant and if required to other bidders or prospective bidders, as the case may be.

BMC shall deal and dispose off such application as expeditiously as possible and in any case within 10 days from the date of receipt of such application or such other period as may be specified in pre-qualification document, bidder registration document or bid documents, as the case may be.

Where BMC fails to dispose off the application within the specified period or if the bidder or prospective bidder feels aggrieved by the decision of the procuring entity, such bidder or prospective bidder may file an application for redressal before the "Intemal Procurement Redressal Committee within 7 days of the expiry of the allowed time or of the date of receipt of the decision, as the case may be. Every such application for internal redressal before Redressal Committee shall be accompanied by fee of Rs 25,000/- and fee shall be paid in the form of D.D. in favour of BMC.

1" Appeal by the bidder against the decision of C.E/ HOD/ Dean can be made to concerned DMC/Director who should decide appeal in 7 days.

If not satisfied, 2 Appeal by the bidder can be made to concerned A.M.C. for decision.

Grievance Redressal Committee (GRC) is headed by concerned D.M.C / Director of particular department for the first appeal/grievances by the bidder against the decision for responsiveness / non- responsiveness in Packet 'A', Packet 'B' or Packet "C" and if not satisfied, concerned A.M.C will take decision as per second appeal made by the bidder

This Grievance Redressal Committee (GRC) will be operated through DMC (CPD) office where appeals of aggrieved bidder will be received with fee of Rs 25,000/- from aggrieved bidder. The necessary correspondence in respect of said applications to the aggrieved bidder & concerned

department, issuing notices, arranging of Grievance Redressal Committee (GRC) with D.M.C. and further proceeding will be carried out through registrar appointed by BMC.

No application shall be maintainable before the redressal Committee in regard of any decision of the BMC relating to following issues:

Determination of need of procurement

The decision of whether or not to enter into negotiations.

Cancellation of a procurement process for certain reasons.

On receipt of recommendation of the Committee, It will be communicate his decision thereon to the Applicant within 10 days or such further time not exceeding 20 days, as may be considered necessary from the date of receipt of the recommendation and in case of non-acceptance of any recommendation, the reason of such non-acceptance shall also be mentioned in such communication.

Additional Municipal Commissioner and/or Grievance Redressal Committee, if found, come to the conclusion that any such complaint or review is of vexatious, frivolous or malicious nature and submitted with the intention of delaying or defeating any procurement or causing loss to the procuring entity or any other bidder, then such complainant shall be punished with fine, which may extend to Five Lac rupees or two percent of the value of the procurement, whichever is higher.

Full signature of the bidder with official Seal & Address

ANNEXURE – 16
Tender No. Dy.Ch.E./CPD/ 10 /TDR /AE-5 of 2025-26
e-Tender ID-2025_MCGM_1173632_1
(To be uploaded in packet B)

Details of CE/US FDA Certificate

Bidder shall submit the details of CE and/or US FDA certificate along with documentary evidences.

Bidders are requested to note that as per required certificates as mentioned in specification, the relevant data from concerned certificate shall be filled properly in below format with signature of bidder.

For Medical device and In vitro Diagnostics Medical Device

"**The equipment must have CE marked from European confirmatory (EC) notified body issued from European address and / or USFDA and documentary evidences to that effects shall be uploaded**".

A) CLASSIFICATION: CLASS Is, Im, IIa, IIb & Class III

Description	Whether complies or not	Specify
1. CE certificate issued from EU notified body is must for devices under class Is, Im, IIa, IIb & Class III.		
This certificate shall be on letter head of Notified bodies with		
a) Body identification number and address of Notified Body		
b) Certificate number and validity of certificate		
c) Product name/line (Quoted product category etc.)		
d) Name of appropriate directives		
e) Name and address of manufacturer,		
f) Product classification, Name of EU representative if any		

2. If CE certificate as mentioned (1) above is not for the quoted model and issued for Product specific or general product line, then

Description	Whether complies or not	Specify
a. Shall be accompanied with Declaration of conformity by manufacturer or EU representative of Manufacturer for the quoted model		
b. Endorsed (By notified Body) technical documents submitted to notified body mentioning model/s no./s		
Or		
List of model/s approved by notified body with classification if any on letter head of notified body		

3. If CE certificate as mentioned (1) above is for the quoted model then also

Description	Whether complies or not	Specify
a. Shall be accompanied with Declaration of conformity by manufacturer		
Or		
EU representative of Manufacturer for the quoted model		

Note :For equipment where other equipments also are part of the main equipment

Description	Whether complies or not	Specify
a) Documentary evidence to show all such equipment/s is/ are covered by single certificate is required from notified body additional to above Sr. No. (A) -1 & 2 or 3.		
Or		
b) Individual certification for each equipment as mentioned in Sr. No. (A)-1 & 2 or 3 above is required		
c) If equipment manufacturer by different /other manufacturer is part of supplied equipment as per OEM agreement, then CE certificate issued to manufacturer is required from notified body as mentioned in sr. no. (A) – 1,2,3 along with the copy of OEM agreement		

B) CLASSIFICATION : CLASS I only.

This route is self-declaration or self-certification and is described in Annex VII Module A, EC Declaration of Conformity. The manufacturer ensures and formally declares, via a written statement, that the products meet the applicable provisions of the Directive.

Following Documents are required

Description	Whether complies or not	Specify
a. Declaration of conformity by manufacturer or EU representative of Manufacturer for the quoted model.		
b. Documentary evidence regarding firm registered with EEA (European Economic Area) Competent authority is required		
Or		
European Representative registered with EEA (EUROPEAN ECONOMIC AREA) Competent authority appointed by firm is required		
Or		
Other documents like certificates from notified body along with declaration of conformity is required		

Declaration of Conformity

The declaration of conformity should have following:-

Description	Whether complies or not	Specify
a) the name and address of manufacturer		
b) Notified body Name and address if any with certificate No.		
c) EU representative of manufacturer if any		
d) identification of the product allowing traceability		
e) list of relevant directives & Harmonized standards.		
f) Declaration statement, name and position/job title of person signing (This should be someone with enough responsibility to ensure the declaration is true which is affirmed by their signature and date)		

CE CERTIFICATION REQUIREMENT FOR PRODUCTS UNDER IVD (98/79/EC)
CLASSIFICATION :1)DEVICE FOR SELF TESTING, LIST 'B' & LIST 'A' DEVICES

Description	Whether complies or not	Specify
1) CE certificate issued from EU notified body is must		
This certificate shall be on Letter head of Notified Bodies with		
a) Body identification number and address of Notified Body		
b) Certificate number and validity of certificate		
c) Product name/line (Quoted product category etc.),		
d) Name of appropriate directives		
e) Name and address of manufacturer		
f) Product classification, Name of EU representative if any		
2) Shall be accompanied with Declaration of conformity by manufacturer or EU representative of Manufacturer.		

CLASSIFICATION : GENERAL IVD

This route is self-declaration or self-certification. The manufacturer ensures and formally declares, via a written statement, that the products meet the applicable provisions of the Directive.

Description	Whether complies or not	Specify
a. Declaration of conformity by manufacturer or EU representative of Manufacturer for the quoted model.		
b. Documentary evidence regarding firm registered with EEA (EUROPEAN ECONOMIC AREA) Competent authority is required		
Or		
European Representative registered with EEA (EUROPEAN ECONOMIC AREA) Competent authority appointed by firm is required		
Or		
Other documents like certificates from notified body along with declaration of conformity is required.		

Declaration of Conformity

The declaration of conformity should have following :-

Description	Whether complies or not	Specify
a) the name and address of manufacturer,		
b) Notified body Name and address if any with certificate No		
c) EU representative of manufacturer if any		
d) identification of the product allowing traceability		
e) list of relevant directives & Harmonized standards		
f) Declaration statement, name and position/job title of person signing (This should be someone with enough responsibility to ensure the declaration is true which is affirmed by their signature and date).		

US FDA

Description	Whether complies or not	Specify
US FDA Certificate		

Documents required to be submitted in support of USFDA Certification

Following documents are required for confirmation of USFDA approval certificate

Description	Whether complies or not	Specify
a) Approved 510 (k) notification documents for equipment offered model is required.		
Or		
b) Documents to establish the firm and offered model register with US FDA is required		

Manufacturer on their letter head needs to provide the link of notified body and / or USFDA for concerned certificate/s submitted as per specification, so that same can be verified from website of Notified body/USFDA	

Note :

Competent Authority

Under the terms of the Medical Device Directive a competent authority is nominated by the Government of each member state to monitor and ensure compliance with its provisions.

Notified Body

The organization which will check whether the appropriate conformity assessment procedures have been followed is known as the Notified Body. It is a certification organization which the Competent Authority, of a Member State designates to carry out one or more of the conformity assessment procedures described in the annexes of the Directives.

List of approved Notified body under 93/42/EEC (Medical devices) is available on

http://ec.europa.eu/growth/tools-databases/nando/index.cfm?fuseaction=directive.notifiedbody&dir_id=13
and
under 98/79/EC (Invitro Diagnostic medical devices is available on
http://ec.europa.eu/growth/tools-databases/nando/index.cfm?fuseaction=directive.notifiedbody&dir_id=20

Authorized Representative

A non-EU Manufacturer's European Authorized (Authorised) Representative is the one who will represent the manufacturer to deal with the CE Marking vigilance authorities from the Member States. It is required by the EU legislation that a non-EU manufacturer of Medical Devices must print its European Authorised Representative name, address & contacting details on the packaging/labeling of the medical devices sold onto the EEA (EU & EFTA) market.

EU :- **E**uropean **U**nion.

EFTA:- **E**uropean **F**ree **T**rade **A**ssociation.

EEA :-**E**uropean **E**conomic **A**rea.

ANNEXURE-"A"

Tender No. Dy.Ch.E./CPD/ 10 /TDR /AE-5 of 2025-26
e-Tender ID-2025_MCGM_1173632_1
Irrevocable Undertaking

(On Rs.500/- Stamp Paper)

I Shri/Smt …….. aged…… years Indian Inhabitant.

Proprietor/Partner/Director of M/s…… resident at

…… do hereby give Irrevocable undertaking as under;

i. I say & undertake that as specified in section 171 of CGST Act, 2017, any reduction in rate of tax on supply of goods or services or the benefit of input tax credit shall be mandatorily passed on to BMC by way of commensurate reduction in prices.

ii. I further say and undertake that I understand that in case the same is not passed on and is discovered at any later stage, BMC shall be at liberty to initiate legal action against me for its recovery including, but not limited to, an appeal to the screening Committee of the GST Counsel.

iii. I say that above said irrevocable undertaking is binding upon me/my partners/company/other Directors of the company and also upon my/our legal heirs, assignee, Executor, administrator etc.

iv. If I fail to compliance with the provisions of the GST Act, I shall be liable for penalty/punishment or both as per the provisions of GST Act.

Whatever has been stated here in above is true & correct to my/our own knowledge & belief.

Solemnly affirmed at DEPONANT

This day of BEFORE ME

Interpreted Explained and Identified by me.

ANNEXURE-B
Tender No. Dy.Ch.E./CPD/ 10 /TDR /AE-5 of 2025-26
e-Tender ID-2025_MCGM_1173632_1

(It shall be uploaded in Packet B)

Sr. No	SAC /HSN Code	Items as per Item Data	Bidder To Indicate the % of Applicable Taxes.							
			CGST		SGST		IGST		Other Taxes If Any	
			%	Amount	%	Amount	%	Amount	%	Amount

Note-1)Bidder shall submit tax structure for all items i.e. GST / CGST /SGST / IGST etc. as applicable for items in Item Data excluding CMC / AMC and Consumables.
2) Annexure B shall be certified by Chartered Accountant.
3) **Bidders are requested not to disclose any price of Items**.
4) The GST taxes will be paid at actual as per prevailing rates on CMC / AMC and Consumables.

ANNEXURE-C
Tender No. Dy.Ch.E./CPD/ 10 /TDR /AE-5 of 2025-26
e-Tender ID-2025_MCGM_1173632_1

(It shall be uploaded in Financial Packet)

Detailed Bill of quantity of Turnkey work

Bidders are requested to visit all four sites and prepare detailed bill of quantity of turnkey work (including electrical, civil, plumbing, sanitary and air conditioning. The detailed BoQ along with rates and quantity should be provided hospitalwise in following format

Sr. No.	Description	Unit rate	Quantity	Amount