



MGM INSTITUTE OF HEALTH SCIENCES
CENTRAL PURCHASE DEPARTMENT (CPD)

Plot 1 & 2, Sector -1 Kamothe, Navi Mumbai - 410209

eTender of Arthroplasty Robot for Ortho OT

Tenders invited from reputed Manufactures of Arthroplasty Robot for Ortho OT to supply at MGM Medical College Hospital Kamothe, Navi mumbai in the format given below:

Name & Address of Vendor: _____

Sr. No.	Particulars	Details
THR / TKR Arthroplasty Robot		
1	Make	
2	Model	
	<u>Technical Details:</u>	
3	Year of Make	
4	Standard Surgical Features	
5	Robot System Type	
6	Number of Robotic Arm and Motors	
7	Intra-operative robot movement	
8	Bed-Mounted Robotic Arm	
9	Application Support required during Surgery	
10	Set up time required for Planning	
11	Tracking System Type Method	
12	Application Indications	
13	Imaging Protocol	
14	On Screen Guidance for Connections	
15	Planning Method	
16	Landmarks	
17	Number of Individual Point Collection	

Sr. No.	Particulars	Details
18	Gap Balancing Method	
19	Accuracy	
20	Execution Modalities	
21	Resection Tool	
22	Cutting Modes	
23	Resection Method	
24	Blade Size	
25	Collaborative Mode	
26	Irrigation	
27	Surgical Time	
28	Main Components	
29	Sub Components	
30	Dimensions	
31	Weight	
32	Power Consumption	
33	Battery Backup	
34	Regulatory Compliance (US FDA, CE) THA	
35	Safety Certifications	
36	Software Generation	
37	Number and Type of Software Upgrades	
38	Free Software Upgrades Covered for No. of Years	
39	IT Integration and Connectivity	
40	Remote Service Capability	

Sr. No.	Particulars	Details
41	Standby Equipment Provision	
42	Uptime Guarantee	
43	Number of Installations in India	
44	Number of Installations in World	
45	Cadaveric Course	
46	Visiting Surgeon Programs – Local and International	
47	Web Casting	
48	End of Support (if applicable)	
49	Service Support	
50	Spare Parts Availability Locally	
51	Consumables	
52	Procedure	
53	Base station	
54	Satellite station	
55	Gap Balancing	
56	Power on Switch with Indicator	
57	Emergency STOP	
58	Image Free System	
59	Femur First TKA	
60	Tibia First TKA	
61	Hybrid TKA	
62	Auto Stop while moved out of planned area	
63	Number of Camera	

Sr. No.	Particulars	Details
64	Accuracy	
65	Motion error	
66	Registration Points	
67	Painting Required	
68	Foot Pedal	
69	Connecting Cable Protection	
70	Error indication	
71	Type B Device Label and Patent Protect Label	
72	Calibration end effector	
73	Computer operating system (Windows 11)	
74	Whether Company specialist required to operate the system	
75	Special knee fixation requirements	
76	Surgeon controlled or fully automated robot	
77	Camera speed	
78	Hydrophobic arrays	
79	2mm Saw blade	
80	12-point knee registration	
81	System calibration time	
82	System set-up time	
83	Tensioner	
84	customized workflow	
85	Re-cut	
86	Indicator Incorrect bone registration	

Sr. No.	Particulars	Details
87	Ability to indicate mid-flexion gap-balancing	
88	CR & PS femur options	
89	Real-time robotic arm alignment in case of leg movement	
90	Accessories	Following accessories should be included: 1. TKR Instrument Set 2. THR Instrument Set 3. PKR Instrument Set
91	Storage capacity	1 TB
92	Consumables	Consumables : Trackers, robotic-arm drapes, pins, check points. The vendor should provide a list of consumables available for the use of the system suitable for the capabilities of the system. The vendor must provide the quote of consumables complying with their system and the type of surgery. The complete range minimum to maximum must be put and its must be complying for next 2 years from the time of installation.
93	Software	The system shall have all software required to support all disciplines of surgery which is possible by the system under the control of the system.
94	Instrument & Trial implants set	The product must include complete conventional instrument and trial implants set for OEM-Specific implants for TKA, PKA & THA
95	Pre-operative support for each case	Clinical Specialist support for each robotic case
96	Pre-op planning	The system should be a CT image-based system using computer software to generate a virtual 3D-model of the patient-specific bony anatomy and allowing sufficient time to pre-operatively plan, including choosing implant size and orientation
97	Assessment before bony resection (dynamic joint balancing)	Real time medio lateral laxity assessment before bony resections. The system should be able to predict the implant size in pre-op planning and joint balancing before resection.

Sr. No.	Particulars	Details
98	Bony resection	<p>Option for robotic-assisted resection using saw, burr & reamer.</p> <p>Haptic field constraint feature to ensure that the robotic arm only allows removal of bone within 0.5 mm of the original surgical plan.</p> <p>Stereotactic boundary must be available to prevent soft tissue injury.</p> <p>The system should also allow for hybrid approach for bone resection if the surgeons choses to do the same.</p>
99	Assessment at the time of trial	Intra-op ligament assessment
100	Implantation & Final result	Intra-op ligament assessment
101	Patient records management	Post-op patient data
102	Technical support for each case	<p>Product specialist with system: available intra-op for system support and assistance, evaluation of plan, placement of system and accessories, maintenance of system during and after each cases.</p>
103	Hardware upgradation	If any
104	Software upgradation & Support	Free of cost of any software upgradation
105	Certifications	<p>The robotic system should have at least one of US-FDA / European CE (4 digit notified body) / BIS/ CDSCO-Class C / CDSCO approved certification.</p>
106	Performance report	<p>System should be quoted with performance report/certificate of last 2 years by various user at high volume joint replacement centres</p>
107	Technical support Centres	<p>The supplier must maintain a technical support centre in each of the consignee location. The Supplier shall furnish the names, complete postal address, Telephone / Mobile numbers, email address and FAX numbers of Technical support centers. The supplier shall ensure that all the Technical support centers are manned by fully competent and responsible Engineers and who are capable of attending the faults at the consignee's sites, whenever needed.</p>

Sr. No.	Particulars	Details
108	Rate with Std. Warranty : __ Year(s)	
109	Rate with 5 Years Warranty	
110	GST	
111	Post Warranty AMC (in %) with Escalation:	
112	Post Warranty CMC (in %) with Escalation:	
113	Delivery Period	
114	Payment Terms: (20% with PO, 50% on Delivery, 30% after Installation)	

Kindly email your lowest quotations for above item with your terms and conditions as well as applicable Brochure / Catlog, Client list with installation Year and their Contact numbers to etenders@mgmuhs.com only.

Date:	Signature of Tenderer:
Seal	Name:
	Designation:
	Email ID:
	Mobile No.:
	Full Address: