



Running Contract Details	
Equipment Name	Navigation System for Knee Replacement Surgery
Running Contract Valid Till	06-12-2025
Tender Ref No	KMSCL/EP/T501(R)/1654/2023
Tendered Quantity	4
Supplier Name	M/s Neoptic Surgicals
GST No	32ACFPK5938G1ZO
Installation & Delivery Period	8 Week(s)
Up-time / PM vist	95% & 4 Visits per year
Warranty period	3 Years

Supplier`s Details		
Address	Contact Details	
35/1476 Kripa South Janatha Road Palarivattom Kochi-682025	Contact Person	Mr. K.J Kurian
	Phone	
	Mobile No	9447039805
	Email	neopticsurgicals@gmail.com

Item-wise Price Details				
#	Item Details	Unit Rate (Incl.all taxes & charges)	Service Charges (Through KMSCL)	Grand Total
1	Navigation System for Knee Replacement Surgery <i>Model & Make : NAV3 PLATFORM 7700 700 000/ Stryker</i>	7371600.3 Incl.GST :12%	543655.52	7915255.82
		7371600.3	543655.52	7915255.82

Annual / Comprehensive Maintenance Charges (Exl.Tax)							
Rate	4 th Year	5 th Year	6 th Year	7 th Year	8 th Year	9 th Year	10 th Year
Navigation System for Knee Replacement Surgery							
Labour	56,444.85	56,444.85	56,444.85	56,444.85	56,444.85	56,444.85	56,444.85
Comprehensive	1,12,889.70	1,12,889.70	1,12,889.70	1,12,889.70	1,12,889.70	1,12,889.70	1,12,889.70

Other terms & conditions

1. The supplier shall execute an agreement with the purchaser as per tender conditions (agreement format is given in the tender document).

2. The supplier shall submit performance security amounting to 5.00% of the value of the supply order.
3. The labour & comprehensive charges of equipment after the completion of warranty period is finalized by KMSCL as mentioned above.
4. Since discount rate is not applicable for equipment under Running Contract of KMSCL, purchase/supply order can be issued directly to supplier at the given rate with tax & other charges (exclusive of KMSCL service charges).
5. If purchase/supply order is issued directly to the supplier, KMSCL service charge need not be paid. But the copy of the said order may be forwarded to KMSCL for information.

Technical Specification

Equipment :Navigation System for Knee Replacement Surgery

Equipment: Navigation System for Knee Replacement Surgery

I. Navigation Hardware requirements

1. Navigation system should be easy to set up and works with windows operating system environment with their latest respective versions.
2. The system should be plug and play and system software should be user-friendly wizard guided to control set up, registration and navigation procedure.
3. The System should have Active optical wireless technology
4. Surgeon should be able to control the whole Navigation from sterile field itself by using a Pointer with the help of Active Optical technology
5. The system should have at least two monitors with one touch-sensitive user screen with minimum of 15.4-inch FULL HD display and surgeon monitor with 24-inch FULL HD or higher sizes, with the resolution of 1920X1080
6. The system must have dynamic referencing so that registration is not lost even if the camera or patient moves.
7. Should be able to import radiology images into the Navigation system via DICOM, USB storage device, or CD/DVD
8. It should have single mounted cart for Camera with mobility feature to adjust the camera for better positioning and surgeon Screen for flexible positioning in varus/valgus over full range of motion
9. System should have a minimum of 3 cameras for better accuracy
10. System should have a minimum of 8GB RAM and 500GB of Solid-state drive for faster performance.
11. System should be able to upgrade to different modalities like HIP/ Pelvic, Neuro, Spine, and CMF at any point of time if required

II. Knee Navigation Software requirements

1. The system should work with image free Knee navigation application package for knee replacement surgeries.
2. Software should have options for manual/automatic workflow setting and Software should have dynamic adaptation to the surgical steps based on automatic tool detection.
3. The navigation software should automatically detect the sizing of TKR implants when using the implants of same manufacturer and provide information on Varus/Valgus, resection details, Flexion/extension details in real-time as per selected position.
4. The system should be an open platform for implants from other TKR implant companies.
5. Software should allow surgeon to register patient with acquisition of minimal points with an option to skip additional registration steps.
6. The software should allow the navigated placement of cutting blocks for tibial resection.
7. The software should allow the navigated placement of cutting blocks for distal femoral resection.
8. The software should allow the verification of all performed resections
9. System should have facility of using two pin fixations each for Reference instrument on tibia & femur.
10. Re-registration must be possible easily if the surgeon wants to go back and mark the various landmark points.
11. Each registration point and live registration should be visible on both surgeon and user monitor.
12. The system should have screenshot storage function for documentation purpose.
13. The system should support both posterior and Anterior referencing techniques
14. Software should offer patient report with comparative information on pre & post operative details like varus/valgus and range of motion and final alignment of geometric data in a report form.
15. Software should allow precise measurement of knee flexion angle and long leg alignment
16. Each navigated tracker store the identity and the geometric data inside so that navigation system can automatically recognize

the identity of trackers without the chance of misinterpreting of the identity of particular trackers which are being used in the tracking field.

17. System software should indicate possible error of notching for femoral component placement
18. System software should guide in Gap monitoring and soft tissue balancing
19. System should be able to provide two primary cuts -Distal femur and Proximal Tibial cut.
20. System should offer pin less surgery for less bone density patients.
21. System should be able get femoral rotation and AP distance by using pin less method

III. Other requirements

1. Should supply all necessary instruments for the Total Knee Navigation along with the system.
2. All instruments should be autoclavable
3. The System should have US FDA and CE certifications including the instruments provided.

Note:

1. If CDSCO (Central Drugs Standard Control Organization) certification is required for the import and marketing of the equipment, then the same shall be submitted along with the technical bid
2. Warranty exclusions if any shall be discussed at the time of prebid meeting else the tender condition as per clause 6.31.20 shall prevail