



| Running Contract Details | |
|--------------------------------|---|
| Equipment Name | INSTRUMENTS FOR MICS (MINIMAL INVASIVE CARDIAC SURGERY) |
| Running Contract Valid Till | 05-01-2025 |
| Tender Ref No | KMSCL/EP/T479/1195D/2022 |
| Tendered Quantity | 5 |
| Supplier Name | M/s Serumbiologicals |
| GST No | 32FKIPS9153R2Z4 |
| 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 | |
| Rajagiri Southgat Thirunakkara Kottayam | Contact Person | Sunilkumar |
| | Phone | 4812563636 |
| | Mobile No | 9745163636 |
| | Email | serumbiologicals@gmail.com |

| Item-wise Price Details | | | | |
|-------------------------|--|---|------------------------------------|-------------|
| # | Item Details | Unit Rate (Incl.all taxes & charges) | Service Charges (Through KMSCL) | Grand Total |
| 1 | Special minimally invasive coronary surgery (CABG) Mon shaft/ Monoaxial instrument set with all accessories mentioned in the specifications <i>Model & Make : MRC 3, MRC 4, MRC 5, MSQ 2, TOZ), TOZ 4, BOE 6, MRC 0, MRG 3T, MRG 4T/ Fehling Instruments GmbH & Co. Germany</i> | 1695482.32 Incl.GST :12% | 125041.82 | 1820524.14 |
| 2 | Special Minimally Invasive Valve Surgery Instrument Set with all accessories mentioned in the specifications <i>Model & Make : MRG 2, MRG 9, MRB 6, MNV 7, MRP 1, MRP 3, MRX IV, MRA 3/ Fehling Instruments GmbH & Co. Germany</i> | 1343012.16 Incl.GST :12% | 99047.15 | 1442059.31 |
| 3 | LA - Mitral Retractor Systemwith all accessories mentioned in the specifications <i>Model & Make : MRR 1, MRR 2, MRN 3, MRU 1, MRU 2, MRU 9/ Fehling Instruments GmbH & Co. Germany</i> | 445807.04 Incl.GST :12% | 32878.27 | 478685.31 |

| Item-wise Price Details | | | | | | | |
|--|--|----------------------|----------------------|----------------------------|----------------------|----------------------|-----------------------|
| 4 | Mid Cab Retractor System for CABG with all accessories mentioned in the specifications <i>Model & Make : MRP 3, MRP 2, MRP 4, EEL 1G, EEL 1S, EEP 0, EEL 4F, MNU 6I, MNU 7I, MQE 2I, MSP 8D, MRC 8, EEL 4F/ Fehling Instruments GmbH & Co. Germany</i> | | | 1435095.2 Incl.GST :12% | 105838.27 | 1540933.47 | |
| 5 | Chitwood clamp for aortic clamping <i>Model & Make : MRB-0V/ Fehling Instruments GmbH & Co. Germany</i> | | | 181769.28 Incl.GST :12% | 13405.48 | 195174.76 | |
| 6 | Flexible aortic clamp for proximal anastomosis <i>Model & Make : V10142/ VITALITEC USA</i> | | | 660800 Incl.GST :12% | 48734 | 709534 | |
| | | | | 5761966 | 424944.99 | 6186910.99 | |
| 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 |
| Chitwood clamp for aortic clamping | | | | | | | |
| Labour | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Comprehensive | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Flexible aortic clamp for proximal anastomosis | | | | | | | |
| Labour | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Comprehensive | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LA - Mitral Retractor System with all accessories mentioned in the specifications | | | | | | | |
| Labour | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Comprehensive | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Mid Cab Retractor System for CABG with all accessories mentioned in the specifications | | | | | | | |
| Labour | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Comprehensive | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Special minimally invasive coronary surgery (CABG) Monoshaft/ Monoaxial instrument set with all accessories mentioned in the specifications | | | | | | | |
| Labour | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Comprehensive | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Special Minimally Invasive Valve Surgery Instrument Set with all accessories mentioned in the specifications | | | | | | | |
| Labour | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Comprehensive | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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 :Special minimally invasive coronary surgery (CABG) Monoshaft/ Monoaxial instrument set with all accessories mentioned in the specifications

1. Special minimally invasive coronary surgery (CABG) Monoshaft/ Monoaxial instrument set
 - a. De Bakey Mini Grasper 1x21.5 x15mm straight, 280 mm 3.5 mm
 - b. Mini Needle Holder 280 mm curved, with ratchet, Jaw 2 x 10mm with 3.5 mm shaft
 - c. Needle Holder straight 280 mm with ratchet jaw 1x 10 mm
 - d. Knot Pusher, push to close,280 mm,3 mm shaft
 - e. Mini Potts Scissors 45° 280 mm single action, 7mm blade, 3mm shaft
 - f. Mini Potts Scissors 125° 280 mm single action, 7mm blade,3mm shaft
 - g. Jameson Scissors 25cm tenotomy tips, curved
 - h. Mini IMA Holding Forceps 8mm upwards, 1x2 mouse teeth, 280 mm
 - i. Monoshaft Clip Applying Forceps for Horizon/SLS Clips small 370 mm
 - j. Monoshaft Clip Applying Forceps for Horizon/SLS Clips Medium 370 mm

Equipment :Special Minimally Invasive Valve Surgery Instrument Set with all accessories mentioned in the specifications

1. *Special Minimally Invasive Valve Surgery Instrument Set*
 - a. Needle holder straight **350 mm 3 x 10mm jaw** with ratchet, TC
 - b. Mini needle holder **350 mm** curved, with ratchet TC , **3 x 10 mm**
 - c. De Bakey Grasper narrow **350 mm** straight 1.5x11mm,1x2 teeth
 - d. Knot pusher **340 mm** short jaw ,push to close
 - e. De Bakey Aortic clamp **290mm** length of jaw , curved, sliding sh. **Jaw size 4.5 70 mm**
 - f. Mohr suture Ruler 3-60 mm, 35cm
 - g. Hinged **or without hinged** retractor w/2x2 blades 36x38 mm and 36x52 mm
 - h. Cooley atrial retractor small 20 mm with 6 mm rod, curved
 - i. Malleable atrial retractor 20 mm with 6 mm rod
 - j. MICS fixation clamps 6mm

Equipment :LA - Mitral Retractor Systemwith all accessories mentioned in the specifications

1. *LA - Mitral Retractor System*
 - i. Ball joint adapter
 - ii. Ball joint adapter with distance elevator
 - iii. Transthoracic atrial retractor - blade guide, 220mm
 - iv. Atrium bracket -3 45x30mm
 - v. Atrium bracket -3 60x30mm
 - vi. Guiding clamp for atrial blade and retainer

Equipment :Mid Cab Retractor System for CABG with all accessories mentioned in the specifications

1. MID CAB Retractor System for CABG

- i. MICS Intercostal retractor
- ii. Blades (pair) 40 x 35 mm
- iii. Blades (pair) 50 x 35 mm
- iv. Blades (pair)-1 60 x 35 mm
- v. MICS LIMA retractor set for exposure of Lima
- vi. Accessories and attachments for RIMA harvesting should be available

Equipment :Chitwood clamp for aortic clamping

Chitwood clamp for aortic clamping

Equipment :Flexible aortic clamp for proximal anastomosis

Flexible aortic clamp for proximal anastomosis

MICS Instruments should have following features

1. Ultra-light weight.
2. Perfect balance
3. Adjustable Jaw and tip opening according to user's preference for less fatigue.
4. Should be made from surgical stainless steel without any plastic or aluminum.
5. Straight-flush system for better cleaning purpose.
6. Scissors should be designed to cut even hardest calcified tissues.
7. Needle holders should have firm grasp and drive even the largest needles.
8. Ratchet should have high precision.
9. Soft touch handles with elastic springs.
10. Handles should be with large dimples or serrations for proper and firm grip.
11. Should have solid construction and optimized surfaces for maximum durability