JKMSCL

JAMMU AND KASHMIR MEDICAL SUPPLIES CORPORATION LTD.

(Public Sector Undertaking of the Government of Jammu and Kashmir)
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CORRIGENDUM

In light of the representation(s) submitted by the prospective bidder(s) thereof, for the finalization of Rate Contract for the "Procurement of **Heart Lung Machine and Cell Saver Machine"** under Group Machinery & Equipment uploaded vide No. Mach/2024/646 dated 09.12.2024 the amendments in the technical bid as recommended by the technical experts are annexed as **Annexure (03 Pages).** The critical dates are extended with the approval of tender inviting authority.

The critical dates are as under:

1. Last date and time for submission of online bids: 15.02.2025 upto 1600 hrs
2. Date and time for online opening of technical bids: 17.02.2025 at 1100 hrs

Please Note:

1. *Those firms/bidders who have already uploaded their bids are required to re-upload their bids as per amendments and corrigendum issued thereof.*
2. All the bidders are requested to keep themselves updated & submit their e-bids through e-portal as per specifications & BOQs. The amendments/modifications shall be available on e-Portal and www.jkmsclbusiness.com.

30.01.25

(Mohd. Ashraf Choudhary) JKAS
General Manager (Adm), JKMSCL

No.: JKMSCL/Corg/2025/12616-618 Dated: 30 .01.2025.

Copy for information to the:-

1. General Manager-(P&S), JKMSCL.
2. P.A to Managing Director, JKMSCL for the information of Managing Director.
3. Assitant Programmer, JKMSCL for inf. & n.a
4. File

(1)

DEPARTMENT OF CARDIOVASCULAR AND THORACIC SURGERY

Superspeciality Hospital, Shireen Bagh, GMC Srinagar.

Modified specifications for "Cell Saver Machine" In response to letter No.PS/GM/JKMSCL/9781-85, Dated 02-01-2025

CELL SAVER MACHINE:

Function 1.1 The cell saver system reprocesses blood for the patient and separates it into blood cells and plasma. Used in Surgical procedures in which there is rapid bleeding or high volume blood loss. It can also separate and remove clotting agents for the plasma. In this manner, blood may be prepared for long term storage or may be re-infused back into the patient during surgery. This reduces the need for blood from donors.

Operational Requirements

2.1 Manual & Automatic operation 2.2 Compact, portable design

3. Technical Specifications 3.1 Spinning centrifuge 3.2 Built-in programming 3.3 Built-in safety features 3.4 Sound volume control 3.5 Automatic protocols

4 System Configuration Accessories, spares and consumables 4.1 System as specified- 4.2 30 disposables should be provided with equipment 4.3 All consumables required for installation and standardization of system to be given free of cost.

5. Environmental factors 5.1 The unit shall be capable of being stored continuously in ambient temperature of

0 -50 deg C and relative humidity of 15-75% and Temporarary upto 95% 5.2 The unit shall be capable of operating continuously in ambient temperature of 10 - 40deg C and relative humidity of 30-75% and Temporarary upto 95%.

6. Power Supply.6.1 Power input to be 180-240 VAC, 50Hz fitted with Indian plug. 6.2 UPS of suitable rating with voltage regulation and spike protection for 60 minutes back up.

7. Standards, Safety and Training 7.1 Should be FDA , CE or BIS approved product 7.2 Electrical safety conforms to standards for electrical safety IEC-60601-1, General Requirements 7.3 Manufacturer Supplier should have ISO certification for quality standards. 7.4 Comprehensive training for lab staff and support services till familiarity with the system.

8 Documentation 8.1 User/Technical/Maintenance manuals to be supplied in English. 8.2 Certificate of calibration and inspection. 8.3 List of Equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual. 8.4 List of important spare parts and accessories with their part number and costing. 8.5 Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out.

Dr. Mohammad Akbar Bhat
Professor and Head, CVTS
SSH, Shireen Bagh, Srinagar

Dr. M. AKBAR BHAT
Professor & Head
Department of CVTS
SSH (GMC) SRINAGAR

No. SSH/CVTS/ 313-05
Date: 17-01-2025

(2)

DEPARTMENT OF CARDIOVASCULAR AND THORACIC SURGERY

Superspeciality Hospital, Shireen Bagh, GMC Srinagar.

Heart Lung Machine with Accessories(Advanced Version)

Technical Specifications (ADVANCEd VERSION)
Heart Lung Machine

1. Hear Lung Machine is an apparatus through which blood is temporarily diverted during open heart surgery, to oxygenate it and pump it throughout the body: thus maintaining circulation until the heart and lungs are able to return to normal functioning.
2. Central Control monitors: All roller pumps, safety control (pressure, levels, timers and temperature) and monitoring should be controlled through one touch screen colour monitor. More than one monitor will not be considered.
3. Central Control Monitor should be Configuarable to set the screens for usage by the perfusionist. Central control monitor with different customised perfusion screens will be preferred.
4. System should have the following features: 5 single roller pumps (6" raceway) (Flow range 0-10 LMP). One dual twin-pump along with large roller pumps (6" Raceway) will also be considered. Five single pumps (4+1) need to be quoted.
5. Rolled pumps should be controlled through central control monitor and manually (single Operation will not be accepted.
6. Pump raceway should be rotatable and lock at every 15 degrees.
7. System should have master follower feature.
8. Should be provided with 2 pressure monitoring.
9. Should be provided with the level detector with holder.
10. Should have 1 bubble detector (3/8)
11. Roller Pump should be able to deliver pulsatile flow.
12. Should have mechanical blender.
13. Self adjusting tubing inserts should be provided with all the pumps (should not need to change tubing inserts for different size of tubings)
14. Cardioplegia pump should have display of total volume of each infusion along with delivery time. It should have the master and follower control with different CPG delivery concentration (1: 1, 1 :2, 1:4, 1 :8, 1: 16)
15. The unit should be supplied with a Battery backup for all pumps for a minimum of 60 minutes. Switch over from main power to battery backup should be automatic and immediate. The battery unit should be built in to the pump base and it should be recharged automatically when the system is operating with main power supply.
16. Individual roller pump heads should have horse shoe, U shape or suitable shape to minimise blood trauma. Roller pump should have universal tubing inserts, in which all types of tubing can be fitted.
17. Individual pump heads should have display in digital -The total infusion volume in liters and delivery time, the flow rates in LPM and in RPM
18. Each pump should have easy mechanism for occlusion setting for different thickness of tubes available in the market. Occlusion setting for different running roller pump is optional.

Occulsion setting should be precise , the setting of 0.01mm/click will be preffered.

19. Should have Unidirectional hand crank facility as a critical safety feature. Hand crank loading should be from top for faster access. Multidirectional hand cranks will not be considered.
20. Roller pump should have a self diagnosis circuit with provision to detect and display critical alarm conditions.

16/01/2025

DR Mohammad Akbar Bhat
Professor and Head CVTS
SSH, Shireen Bagh Srinagar

DR. M. AKBAR BHAT
Professor & Head
CVTS
SSH (GMC) SRINAGAR

No. SSH/CVTS/312-03
Date: 16/01/2025

Copy to :

3. Medical Superintendant, SSH, Shireen Bagh ,Srinagar
4. Nodal Officer JKMSCL, GMC Srinagar