

# Rajasthan Medical Services Corporation Limited, Jaipur

Gandhi Block, Swasthya Bhawan, Tilak Marg, C-Scheme, Jaipur - 302005

Ph. No. 0141-2223887, Fax : 0141-2228065

E-mail : edepmrmisc-rj@nic.in

CIN:U24232RJ2011SGC035067

Website:www.rmsc.nic.in

No. F-8(86) RMSC/EPM/M-1/R.C.2016-17/2016 / 4565

Dated: 27/10/16

## Rate Contract and Price Details

S.N.	Item	Detail
1.	Name of Equipment / Item	<b>Blood Bank Refrigerator (300 Blood Bag Capacity)</b>
2.	Name & Address of Firm	M/s Terumo Penpol Private Limited P.B. No. 6105, I-2, Jawahar Nagar, Thiruvananthapuram, Kerala E-Mail:- <a href="mailto:info@terumopenpol.com">info@terumopenpol.com</a> Telephone Number:- 91 471 3015500 Fax:-91 471 2721519
3.	Brand/ Model / Make	BBR 600 G Terumo
4.	Packing Unit	Each
5.	R/C No. & Validity	<b>R.C. No. 323 (Valid up to 30.04.2018)</b>
6.	Net Rate Per packing Unit (Rs.)	Rs. 2,50,000.00
7.	Taxes Consessional CST @ 2% (Rs.)	Rs. 5000.00
8.	RMSC Surcharges @ 5%	Rs. 12750.00
9.	Total Price (Rs.)	<b>Rs. 267750.00</b>
10.	Guarantee Period	<b>Year :-</b> Three years, from the date of installation of Equipment
11.	CMC after Guarantee Period	<b>CMC :-</b> CMC will be given @ 5 % (of net rate - inclusive of Excise Duty & exclusive of VAT / CST etc.) plus service tax (as applicable) and yearly escalation of 5 % on last year's CMC price. The CMC may be awarded for five years (on yearly basis) after completion of Guarantee period of three years
12.	<p align="center"><b><u>Specifications of item Blood Bank Refrigerator (300 Blood Bag Capacity)</u></b></p> <p><b>1. Purpose of Equipment</b></p> <ol style="list-style-type: none"> <li>1. A refrigerator for storing whole blood or red cell packs in a blood bank.</li> <li>2. Must be designed specifically for blood bank use. Commercial or modified commercial refrigerators for other purpose are not acceptable.</li> </ol> <p><b>2. Type of Equipment</b></p> <p>Approved standard electrical Blood bank refrigerator that uses a compressor circulating CFC-free refrigerant / green gas</p> <p><b>3. Quality Standard</b></p> <ol style="list-style-type: none"> <li>1. Should have built in temperature recorder and controller positioned at Eye level for better visibility and monitoring.</li> <li>2. Must have uninterrupted electronic temperature circular chart recorder / six inch, 24x7-day, ink-less pressure sensitive circular chart recorder and accuracy should be +/- 1 degree Celsius with supply of free charts for a period of Guaranty.</li> <li>3. Should have a digital temperature probe located in the top portion of the chamber in a liquid medium bottle for accurate temperature measurement.</li> <li>4. Manufacturing should be compliant with ISO 13485 (Valid documentation should be submitted in technical bid).</li> <li>5. Should be compliant with European CE or US FDA (Valid documentation should be submitted in technical bid).</li> <li>6. Equipment must meet electrical safety specifications of IEC 60601-1</li> </ol> <p><b>4. Capacity</b></p> <ol style="list-style-type: none"> <li>1. At least 300 standard blood bags</li> </ol> <p><b>5. Construction</b></p> <ol style="list-style-type: none"> <li>1. Outside C. R. (Corrosion Resistant) Sheet at least 1 mm thick</li> <li>2. Inside stainless steel of at least 22 G.</li> <li>3. Insulation &gt;50 mm thick, foaming agent CFC free</li> </ol> <p><b>6. Drawers</b></p> <ol style="list-style-type: none"> <li>1. Stainless steel, scratch resistant Drawers perforated to ensure good air circulation.</li> <li>2. Roll out type.</li> <li>3. At least four or more in number</li> </ol> <p><b>7. Door</b></p> <ol style="list-style-type: none"> <li>1. Glass door with full visibility of units without opening door</li> <li>2. Automatic/Magnetic closing</li> <li>3. Door opening audio and visual alarm</li> <li>4. Door lock should be available</li> </ol> <p><b>8. Electrical characteristics</b></p> <ol style="list-style-type: none"> <li>1. Compatible with Input voltage: 240V 50 Hz Single phase AC</li> </ol>	

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2. Should have an integrated voltage stabilizer or external stabilizer of appropriate ratings meeting ISI Specifications (Input 160-260 V and output 220-240 V and 50 Hz).
3. Minimum compressor starting voltage should be 22% below normal voltage.
4. At room temperature of 25°C should be able to maintain at ideal compressor running time of 27%.

**9. Internal Temperature**

1. Blood Bank Refrigerator should have inside temperature range of 2°C - 6°C
2. User parameter settings: Set point, High alarm point, low alarm point, buzzer off time, C/F unit display choice.
3. Whatever the load, setting accuracy less than or equal to 0.5°C (preferably 0.1°C).
4. Should ensure frost free performance thereby avoiding either freezing or heating. If defrosting function used, temperature should not go outside range specified above

**10. External Ambient Temperature:**

1. Can perfectly maintain internal temperature as above at full load in an ambient temperature of +10 to at least +40 °C

**11. Hold-Over Time**

1. A full load of blood packs at +4 °C (±1 °C) should take more than 1.5 hours to rise to above +6 °C if power off

**12. Cooling Down Time.**

1. A full load of blood packs at +25 °C takes a maximum of 13 Hrs for all packs to reach +6 °C

13. Should have flicker free CFL lamp for uniform lighting and better visibility of samples inside the cabinet.
14. Should have Audible and visual High and Low temperature alarm & power fail alarm as a standard feature with alarm silence button.
15. A suitable capacity voltage stabilizer and one 1.5 Ton split A.C. of repute make should be supplied free of cost with the system. (Guarantee card with bill have to be submit with item to claim guarantee)
16. SMS alerts to user defined recipients in case of any deviation in temperature , break down and power failure with provision to connect with central (Temperature) monitoring system / facility of wireless data transfer facility & storage of temp. data on cloud, with continuous accessibility of data on PC or laptop and on smart phones with internet facility .
17. **Guarantee:** Three years on equipment from the date of installation.
18. **CMC:** CMC will be given @ 5 % (of net rate - inclusive of Excise Duty & exclusive of VAT / CST etc.) plus service tax (as applicable) and yearly escalation of 5 % on last year's CMC price. The CMC may be awarded for five years (on yearly basis) after completion of Guarantee period of three years.
19. The company should submit technical compliance sheet as per technical specifications mentioning the make & model of quoted item along with catalogue in the Technical bid.
20. Installation will be done by supplier free of cost.
21. The service engineer should be based in Rajasthan.
22. Four Preventive Maintenance services annually during Guarantee and CMC period are essential.
23. Demonstration of equipment is must for final technical approval

**13. Comprehensive Maintenance Contract Charges (per year/per machine)**

Rates (Rs.) Per Unit	First Year	Second Year	Third Year	Fourth Year	Fifth Year
<b>Comprehensive Maintenance Agreement (CMA)</b>	<b>CMC:</b> CMC will be given @ 5 % (of net rate - inclusive of Excise Duty & exclusive of VAT / CST etc.) plus service tax (as applicable) and yearly escalation of 5 % on last year's CMC price. The CMC may be awarded for five years (on yearly basis) after completion of Guarantee period of three years				

*M. Singh*

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**Executive Director (EPM)**

**Rajasthan Medical Services Corporation Ltd.,**

**Jaipur**

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