ALL INDIA INSTITUTE OF MEDICAL SCIENCES
CENTRAL ARMED POLICE FORCES INSTITUTE OF MEDICAL SCIENCES
MAIDAN GARHI, NEW DELHI- 110068

To,
Senior Stores Officer,
AIIMS-CAPFIMS,
Maidan Garhi, New Delhi-68.

2141991

Dated: 18.08.2025

Subject: Request for procurement of the following items on an urgent basis for commencement of Blood storage centre

Given the upcoming commencement of the Blood storage centre, I request you to procure the following equipment for the Department of Transfusion Medicine and Blood Bank

S.No.	Equipment Name	Quantity
1	Blood Bank refrigerator	1

The details of the required specification are attached in Annexure 1

You are requested to procure the items mentioned above as early as possible. The timely availability of these items will facilitate the commencement of the blood storage centre facility.

Thank You

Vidushi

Dr Vidushi,
Assistant Professor (Contractual)
Department of Transfusion Medicine and Blood Bank,
AIIMS-CAPFIMS, New Delhi

डॉ. विदुशी / Dr. Vidushi, MD
सहायक प्रोफेसर (संविदा पर) / Assistant Professor (Contractual)
ट्रांसफ्यूजन मेडिसिन विभाग / Dept. of Transfusion Medicine & Blood Bank
एम्स-कैपफिम्स, मैदान गढ़ी, नई दिल्ली / AIIMS-CAPFIMS Centre

STORE

18/8/25

प्रो. संजीव लालवानी / PROF. SANJEEV LALWANI
मुख्य, एम्स-केन्द्रीय सशस्त्र पुलिस बल आयुर्विज्ञान संस्थान केन्द्र
CHIEF, A.I.I.M.S.-C.A.P.F.I.M.S. CENTRE
मैदान गढ़ी, नई दिल्ली-110068
Maidan Garhi, New Delhi-110068

Enclosure-

a. Annexure 1

Blood Bank Refrigerator (2 to 6 °C)
(Approx cost Rs.5 lakhs)

A. Basic Equipment characteristics

a. The equipment should feature a rollout type design with stainless steel, scratch-resistant surfaces and include 5 shelves or drawers.
b. It must have a capacity of 500 to 600 liters, capable of accommodating at least 350 whole blood units (450 ml each).
c. Both the interior and exterior surfaces should be constructed from a minimum of 20-gauge galvanized steel for durability.
d. The surface of the equipment should incorporate Bio-Cote™ bacteria resistance, and the interior, exterior, and door handle should be powder-coated for added protection.
e. The unit should include an interior fluorescent light with a control panel-mounted switch as a standard feature.
f. It should be equipped with a dual-pane, heated glass door that features a key lock and a right-hand hinge for security and convenience.
g. The transparent glass must cover more than 80% part of the door for clear visibility of the stored blood components.
h. The equipment must have a self-closing Sure-Seal magnetic door system with a full-length handle, key lock, and non-CFC urethane insulation for energy efficiency.
i. It should be designed as a floor model, complete with caster wheels that include a locking facility for stability and mobility.
j. The equipment must be brand new and not refurbished.
k. The supplier is required to provide original documentation that verifies the date and location of the equipment's manufacture.

B. Principle of functionality

a. It should operate to maintain internal temperature at 2 - 6 °C with ± 1°C temperature variability on the principle of using a compressor-based cooling system, to lower the internal temperature. This system cycles refrigerant gas through a compressor, condenser, and evaporator, efficiently absorbing heat from inside the unit and expelling it outside.

C. Facilities/functionalities available

a. The equipment should be capable of maintaining an internal temperature of 2 - 6°C with a temperature variability of ±1°C for the storage of whole blood or red blood cells.
b. It must operate effectively at ambient temperatures of up to 40°C.
c. The unit should utilize an independent, programmable microprocessor temperature controller, adjustable from +2°C to +6°C.
d. It should have safety thermostat to prevent negative temperature in refrigerator.
e. It should have fast temperature recovery even in case of frequent door opening
f. The equipment must use a non-CFC, commercially available refrigerant to ensure environmental safety.
g. An automatic condensate evaporator and defrosting should be included as a standard feature.

Vidushi
डॉ० विदुषी / Dr. Vidushi, MD
सहायक आचार्य / Assistant Professor (Contractual)
रक्ताधान आयुर्वि विभाग
Deptt. of Transfusion Medicine & Blood Bank
एम्स - के.स.पु.व. आ.स.के - 2 / AIIMS-CAPFIMS Centre
मैदान गढ़ी, नई दिल्ली / Maidan Garhi, New Delhi-110068

Blood Bank Refrigerator (2 to 6 °C)
(Approx cost Rs.5 lakhs)

h. The unit must have an internal evaporator fan that automatically shuts off when the door is opened to maintain temperature stability.
i. It should include an RTD (Resistance Temperature Detector) temperature recording probe that is independent from other probes for accurate monitoring.
j. The cooling time should be between 1 to 3 hours to reach the desired 2-6°C temperature after complete loading.
k. The hold over time must be between 4 to 12 hours or longer during a power failure to ensure continued safety of the stored blood products.

D. *Information management*

a. The equipment should feature an LED/LCD display for continuous temperature monitoring to ensure easy visibility of current conditions.
b. Alarms:
    i. It must have an audible alarm as well as visual indicators (LED) to alert users to any issues.
    ii. The alarm system should be capable of detecting temperatures that exceed or fall below the set limits.
    iii. It must be able to detect power failures, providing immediate alerts.
    iv. The alarm system should also notify users if the door is left open for an extended period (more than 1 minutes).
    v. It should be equipped to detect any malfunctions within the system to ensure prompt maintenance.
c. The unit must include an inbuilt, 7-day, inkless, pressure-sensitive circular chart recorder that can record temperature ranges from -5°C to +20°C.
d. The power supply for the temperature recording chart device must be battery operated and independent of the main supply, ensuring it remains operational during power failures.
e. It should have an inbuilt data storage facility for recording temperature and alarm data for a minimum of three months.
f. The equipment must provide the capability to attach an external storage device for transferring temperature and alarm log data to a computer for analysis and record-keeping.

E. *Certification & Demonstration*

a. The equipment must possess quality certifications such as FDA, or CE, or BIS to ensure compliance with regulatory standards.
b. If any changes or disputes arise between the principal firm and the distributor, the department must be notified, and the principal firm is responsible for ensuring continued service provision in accordance with the established terms and conditions
c. Original literature for the equipment and consumables must be provided in English to facilitate understanding and compliance.
d. Documentation for Operation Qualification (OQ), Performance Qualification (PQ), and Installation Qualification (IQ) should be submitted at the time of

Vidushi
डॉ० विदुषी / Dr. Vidushi, MD
सहायक आचार्य / Assistant Professor (Contractual)
रक्ताधान औषधि विभाग
Deptt. of Transfusion Medicine & Blood Bank
एम्स-कैपफिम्स केन्द्र / AIIMS-CAPFIMS Centre
मैदान गढ़ी, नई दिल्ली / Maidan Garhi, New Delhi-110068

Blood Bank Refrigerator (2 to 6 °C)
(Approx cost Rs.5 lakhs)

tender. Validation of various parameters must be completed to the user's satisfaction during the installation process.

e. Preventive maintenance of equipment to be done every 6 months and calibration on installation and whenever required, by the vendor until warranty and CMC

F. Electrical & other hardware requirements

a. Power Requirements: The equipment must operate on a power supply of 240 V AC at a frequency of 50 to 60 Hz.

b. It should incorporate a heavy-duty, air-cooled refrigeration system designed to function effectively on a 230 V, 50/60 Hz power supply.

c. The firm is required to supply a stabilizer cum UPS with backup of at least 1 hour, along with the equipment at no additional cost.

G. Consumables

a. The firm must provide temperature monitoring charts free of cost for period of warranty and CMC, as required.

H. Trouble shooting and breakdown

a. In the event of a breakdown, the firm must repair the equipment within 48 hours. If repairs cannot be completed within this timeframe, Failure to meet these conditions will result in penalties for delays in repair and maintenance, as per AIIMS rules.

I. Warranty & CMC

a. The comprehensive warranty must cover the replacement of all parts, including those subjects to wear and tear, regardless of whether they affect the routine functioning of the equipment and compressor for a period of 3 years

Vidushi

डॉ० विदुषी / Dr. Vidushi, MD
सहायक आचार्य / Assistant Professor (Contractual)
रक्ताधान औषधि विभाग
Deptt. of Transfusion Medicine & Blood Bank
एम्स - के.स.सु.वे. आ.स. केन्द्र / AIIMS-CAPFIMS Centre
मैदान गढ़ी, नई दिल्ली / Maidan Garhi, New Delhi-110068

Report ID: GEM/GARPTS/22092025/JHXQKUVTJ6FC
Report Name: Blood Bank Refrigerator
Generated By: Dharam Singh Meena , Department of Health and Family Welfare , Ministry of Health and Family Welfare

Generated On: 22/09/2025
Valid till: 22/10/2025

GeM Availability Report and Past Transaction Summary

GeM Availability Report and past transaction summary report is generated based on the specifications searched by the Buyer. The specification may be modified appropriately for searching relevant categories on GeM. Buyer may navigate to GeM category page by clicking on the category link to view category specifications and products/services available in the category.

Order Count and Order Value displayed is on a cumulative basis since GeM inception.

1. Search String: Blood Bank Refrigerator

Search type: Product

1. There are categories available on GeM matching your requirements (as listed here). You can create a bid on GeM with a product closest matching your required specifications and add additional parameters in specifications through Corrigendum using RMS functionality.
2. If you feel that category TP needs updating you can submit category updating request also through RMS.
3. If you do not want to use any of the above option and want to proceed for procurement outside GeM, please suggest the specifications of the required product for creation of new category on GeM for future procurement.

Search Result: Category available/suggested on GeM but marked as "not matching requirements" by the buyer with undertaking as under:

It is certified that I have thoroughly checked all probable categories suggested by GeM and I am satisfied that the product required is not covered / does not fall in any of the suggested categories and can not be procured under any of these categories even after inclusion of List of Values(LOV) wherever possible in category specifications of suggested categories. It is also certified that the technical specification requirement are such that these can not be covered even by adding specification parameters using ATC in any of the GeM suggested categories. This is a one-time requirement hence new category creation is not proposed / or requirement is recurring but request for new category creation will be submitted separately post generation of GeMARPTS.

Estimated Value Of Procurement: ₹ 499000.0

		Order Count			Order Value (in Lakhs)		
Category Name	**Catalog Count**	**Direct Purchase**	**Reverse Auction**	**Bid**	**Direct Purchase**	**Reverse Auction**	**Bid**
Laboratory Refrigerator (V2)	546	506	23	52	1,066	113	214
Refrigerated Centrifuge For General And Research Purpose	13,137	2,881	76	372	11,101	405	2,698
Ice Lined Refrigerator	1,079	1,850	22	189	2,548	1,206	8,407
Box Strapping Machine	410	1,115	14	28	916	40	39
Blood Lancets	1,758	5,070	22	40	1,125	83	57
Refrigerator Truck for Vaccine Transport	28	0	0	12	0	0	472
Pressure Calibrator	226	270	3	67	348	3	291

Vidushi

Category Name	Catalog Count	Order Count			Order Value (in Lakhs)		
		Direct Purchase	Reverse Auction	Bid	Direct Purchase	Reverse Auction	Bid
Power Bank for Mobile and Laptops (V2)	124	1,234	4	14	288	18	92
blood pressure recording units	9,063	22,320	81	475	8,085	475	1,470
Frost Free Refrigerator Training Jig(DVET)	11	845	0	8	305	0	6

Vidushi