Public Notice

Subject:- Solution for blood storage & real time management of blood Inventory based on RFID

LET IT BE KNOWN TO ALL

Reference: -

- NIT published on e portal of Procurement vide No :- 52 OF 2021 Tender ID : 2021_HME_142919_1.
- Proprietary article authenticated by Head of the Department of Pathology GMC .

That Government Medical College & Its Associated Hospitals is / are in process to upgrade the Pathology / Hematology Department by way of installing above mentioned software for Blood Bank Management System as claimed by the manufacturer and further authenticated by HOD Concerned , the item specified are proprietary in nature , detail of which is mentioned below :-

The features of blood storage & real time management of blood Inventory based on RFID are :-

1. It should help to encode / write donor information on passive RFID tags for storage of red blood cell and inventory management.
2. The system should have a facility to encode the Phenotyped details in the labels
3. The system should have the capability of encoding the RFID labels tag with required information (i.e. Donation no., expiration date & blood group). Reading, writing and overwriting RFID labels should be possible at any time during the blood product life cycle.
4. An RFID label Encoding device should be part of the solution to write and read required information in the RFID chip.
5. Bench-top RFID readers should be proposed for RFID-labelled blood bags distribution and reception
6. It should be used/evaluated in premier medical institute blood bank in India (AIIMS / PGI/SGPGI) for specifically blood inventory management. Evaluation / performance certificate to be provided.
7. List of users in India using the system for at least one year. Minimum 02 users to be provided.
8. Should be compatible and can be interfaced with the data and information management software.
9. Should be CE/US FDA approved

Part B : Smart storage devices for Inventory Management in real time:

1. The System should provide to the Data Management System, individual storage location for human Red Blood Cells bags in easily accessible storage modules.
2. It should be compatible to RFID based inventory software for inventory updation and giving real time stock
3. It should be compatible to RFID smart tag used for RBC inventory management and locate RBC in real time
4. The system should be compatible with a wide range of commercially available blood bank storage cabinets blood bank refrigerators (+4°C)
5. Installation of RFID Storage devices should be reversible upon need with no impact on cabinet integrity
6. Installation and maintenance of RFID Storage devices should be included in tenderer's proposal
7. RFID device for Red Blood Cells bags storage should have certification from a least one international recognized agency (i.e.C.E. Mark, FDA, CFDA, ...)
8. The smart storage device should provide information in real time - local and remote monitoring
9. The smart storage device should display indication of free locationsin refrigerators for placing new inventory.

10. It should have facility to update the inventory automatically and provide information in real time without manual count.
11. Company should also have modules in the complete solution for platelet inventory management, transportation, and safety at patient bedside module &ensuring full traceability of red blood cells vein to vein supporting the expansion.
12. It should be used/evaluted in premier medical institute blood bank in India(AIIMS / PGI/SGPGI) for specifically blood inventory management. Evaluation / performance certificate to be provided.
13. List of users in India using the system for Minimum one year. Minimum 02 users list to be provided.
14. Should be CE/US FDA approved.

Part C :Data & Information Management software
1. The system should provide management &monitoring of inventory for each storage cabinet based on RFID
2. The system should provide real time update on local RBC inventory
3. The system should provide the complete information of each Red Blood Cells unit and its precise location within a given Storage Device.
4. The system should have automated monitoring & recording of Blood products movements
5. The system should provide a standardized interface protocol to be used by athird-party software Editor for all necessary information download and upload.
6. It should provide threshold alerting for products to avoid wastage
7. It should provide remote and local management of blood products
8. It should provide information about stock movement and provide alert if products are kept for long duration outside the refrigerators
9. The system should help in providing information in real time about shelf-life management of blood products
10. The system should provide indication of empty spaces in refrigerators for placing new inventory
11. The system should be able to connect rfid enabled multiple refrigerators and able to provide stock update in real time about all refrigerators &specific rfid enabled refrigerators
12. The system should have advance search option to help in fetching specific Rh phenotypes blood products
13. The system should be capable to communicate with 03rd party blood banking software
14. It should be used/evaluated in any premier medical institute blood bank in India (AIIMS / PGI/SGPGI) for specifically blood inventory management. Evaluation / performance certificate to be provided.
15. List of users in India using the system for Minimum one year. Minimum 02 users list to be provided.

In this connection **objection (if any)** from the Firm /company manufacturer/ marketing division dealing with such **blood storage & real time management of blood Inventory based on RFID** capable of same specifications in single unit (As intended from the above specifications) regarding proprietary in nature of the above item shall be communicated on the mail address mentioned below , within three days from the date of its publication , after which the claim of the company who has claimed the proprietary ship of the item (s) shall be accepted.

e-mail ID:-
➢ principalgmcsgr@gmail.com
➢ gmcmspc1@gmail.com
➢ psprincipalgmcsgr@gmail.com

Principal
Govt. Med Principal/ Dean
Government Medical College Srinagar
Dated:- 01-12-2021

No:- RCC/GMCS/4851

Principal/Dean
Govt. Medical College
Srinagar