ABSTRACT

Announcement – Provision of funds towards the establishment of Radio Frequency Identification Device (RFID) Solution at Blood Banks of Rajiv Gandhi Government General Hospital, Chennai and Government Rajaji Hospital, Madurai – Sanctioned – Orders - Issued.

HEALTH AND FAMILY WELFARE (EAPI-2) DEPARTMENT

G.O.(Ms)No.549

Dated: 09.12.2021
Thiruvalluvar Aandu – 2052
Pilava, Karthigai – 23

Read:


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ORDER:

The Hon’ble Minister for Health and Family Welfare has made the following Announcement in the floor of the Tamil Nadu Legislative Assembly:-

(Announcement No.51):

“வேதி கோவை குடியரசியில் மார்கட்டண வாகனங்களில் முழுமையான பாதுகாப்பு நோய்கள் தவறை வடிவத்திலும் முற்றிலும் விளம்பரிகள் நடப்பதிவு செய்யும் வகையில், விலைக்கணிப்பில் (Blood grouping) மற்றும் மேலும் விளம்பரிகள் நடப்பதிவு செய்யும் வகையில், மாற்றாக முன்னைய வடிவத்தில் விலைக்கணிப்பில் முழுமையான பாதுகாப்பு நோய்கள் தவறை வடிவத்தில் கையாள்வதற்குரையான உயர் 2.08 சனாட்டு மேலும் விளக்கும் வகையில் விளக்கும் கருத்து (Radio Frequency Identification Device) முன்னார்வு செய்யப்படும்”.

2. Based on the above announcement, the Project Director, Tamil Nadu State AIDS Control Society / Tamil Nadu State Blood Transfusion Council in his letter read above has stated that the Tamil Nadu State Blood Transfusion Council (TNSBTC) is functioning under Tamil Nadu State AIDS Control Society (TANSACS) is managing 94 Government Blood Banks in Tamil Nadu. Around 4 lakh blood units are collected from voluntary donors every year across these 94 Government blood banks and blood components are prepared for the use of the needy patients. Each blood bank is managed by a Blood Bank Medical Officer, assisted by a team of Staff Nurse, Counsellor and Lab Technician. The blood units are stored in Blood Bank Refrigerator as per the norms and issued based on the requirement. He has justified to establish Radio Frequency Identification Device (RFID) Solution delivers in the critical functions as following:-
i) Inventory Management in Real time – Local & Remote
ii) Transportation – Tracking from dispatch to reception
iii) Safety at patient bedside – Transfusion of the right blood to the right patient
iv) Data Management

and the Major Key benefits of Radio Frequency Identification Device (RFID) Solution are as follows:-

i) Radio Frequency Identification Device (RFID) solution ensures the full traceability of blood products – Vein to Vein
ii) Inventory management in real time – Local & Remote
iii) Transportation – Tracking from dispatch to reception
iv) Right Blood Product to Right Patient
v) Minimize wastage of critical blood products
vi) Threshold Alert System
vii) Shelf life Management
viii) Decrease in the number of human errors as well as efforts Documentation for regulatory audits.

To strengthen and trace the blood products from vein to vein, he has requested to provide Radio Frequency Identification Device (RFID) Solution to Blood Banks of Rajiv Gandhi Government General Hospital, Chennai and Government Rajaji Hospital, Madurai for an amount of Rs.2.08 Crore.

3. In the 41st Executive Committee Meeting of National Health Mission – Tamil Nadu held on 17.06.2021, the Committee has approved and permitted the National Health Mission – Tamil Nadu to utilize the funds of Rs.2.08 Crore approved in the Record of Proceedings 2021-2022 to establish Radio Frequency Identification Device (RFID) Solution to Blood Banks of Rajiv Gandhi Government General Hospital, Chennai and Government Rajaji Hospital, Madurai and also to release the said amount to the Managing Director, Tamil Nadu Medical Service Corporation Limited towards procurement and supply of requirements to the Radio Frequency Identification Device (RFID).

4. The breakup details of fund for Radio Frequency Identification Devise (RFID) Solution under FMR Code 18.1.2 as follows:-

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Description</th>
<th>Pack Size</th>
<th>Qty</th>
<th>Unit Rate (in Rupees)</th>
<th>Total Amount (in Rupees)</th>
<th>Remarks</th>
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<tbody>
<tr>
<td>1</td>
<td>RFID Enabled Smart Storage kit</td>
<td>Unit</td>
<td>4</td>
<td>12,00,000</td>
<td>48,00,000</td>
<td>Inventory Management Local Mother Blood Bank Inventory Management for 1400 – 1450 PRBC</td>
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<td>2</td>
<td>RFID Encoder and Reader</td>
<td>Unit</td>
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<td>1,50,000</td>
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<td>3</td>
<td>Software Suit – encoding and Inventory</td>
<td>Unit</td>
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<td>9,00,000</td>
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<tr>
<td></td>
<td>Description</td>
<td>Unit</td>
<td>Amount 1</td>
<td>Amount 2</td>
<td></td>
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<tr>
<td>4</td>
<td>RFID Enabled Smart Storage kit</td>
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<td>5</td>
<td>RFID Encoder and Reader</td>
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<td>6</td>
<td>Software Suit – Inventory</td>
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<td>7</td>
<td>RFID Patient Safety Application</td>
<td>Unit</td>
<td>35,000</td>
<td>1,75,000</td>
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<td>8</td>
<td>RFID Patient Safety Application Desk License</td>
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<td>9</td>
<td>RFID Handheld Device</td>
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<td>10</td>
<td>Biolog-id Temperature Monitoring System</td>
<td>Unit</td>
<td>60,000</td>
<td>1,20,000</td>
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<td>11</td>
<td>RFID Tunnel for Mass reading of Blood Units 30 Units PRBC - one at dispatch &amp; other at reception (For Single unit reading RFID encoder / Reader can be used)</td>
<td>Unit</td>
<td>6,00,000</td>
<td>12,00,000</td>
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<tr>
<td>12</td>
<td>Transport Application</td>
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<table>
<thead>
<tr>
<th></th>
<th>Total amount - per unit</th>
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<td>Total amount (rounded off) - per unit</td>
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<td>1,04,00,000</td>
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<td></td>
<td>Total amount for 2 units - (Rs. 1,04,00,000 x 2) Blood Banks of Rajiv Gandhi Government General Hospital, Chennai &amp; Government Rajaji Hospital, Madurai</td>
<td></td>
<td>2,08,00,000</td>
</tr>
</tbody>
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5. The funds of Rs. 2.08 Crore have already been released to the Tamil Nadu Medical Services Corporation Limited by the Mission Director, National Health Mission.

6. The Project Director, Tamil Nadu State AIDS Control Society / Tamil Nadu State Blood Transfusion Council has requested the orders of the Government on the following:-

i) To permit him to establish Radio Frequency Identification Device (RFID) Solution at Blood Banks of Rajiv Gandhi Government General Hospital, Chennai and
Government Rajaji Hospital, Madurai for full traceability of blood products from vein to vein at the cost of Rs.2.08 Crore (Rupees Two Crore Eight Lakh only).

ii) To ratify the action of Mission Director, National Health Mission in having released an amount of Rs.2.08 Crore (Rupees Two Crore Eight Lakh only) and issued Proceeding Order to Tamil Nadu Medical Services Corporation Limited for the procurement of essential equipments for the same based on the announcement.

7. The Government after careful consideration of the above and have decided to accept the same and accordingly issue the following orders:-

i) The Project Director, Tamil Nadu State AIDS Control Society / Tamil Nadu State Blood Transfusion Council is permitted to establish Radio Frequency Identification Device (RFID) Solution at Blood Banks of Rajiv Gandhi Government General Hospital, Chennai and Government Rajaji Hospital, Madurai for full traceability of blood products from vein to vein at the cost of Rs.2.08 Crore (Rupees Two Crore Eight Lakh only).

ii) The action of Mission Director, National Health Mission in having released an amount of Rs.2.08 Crore (Rupees Two Crore Eight Lakh only) and issued proceeding order to Tamil Nadu Medical Services Corporation Limited for the procurement of essential equipments is ratified.

8. This order issues with the concurrence of the Finance Department vide its U.O. No.55177/Finance (Health-II)/ 2021, Dated: 07.12.2021.

(By Order of the Governor)

J.Radhakrishnan
Principal Secretary to Government

To
The Project Director, Tamil Nadu State AIDS Control Society / Tamil Nadu State Blood Transfusion Council, Chennai-8.
The Mission Director, National Health Mission, Chennai-6.
The Director of Medical Education, Chennai-10.
The Managing Director, Tamil Nadu Medical Services Corporation Limited, Chennai-8.
The Pay and Accounts Officer (South), Chennai-35
The Commissioner of Treasuries and Accounts, Nandhanam, Chennai-35.

Copy to:
The Hon’ble Chief Minister Office, Chennai-9.
The Special Personal Assistant to Hon’ble Minister (Health & Family Welfare), Chennai-9.
The Principal Private Secretary to Chief Secretary, Chennai-9.
The Finance (Health-II) department, Chennai-9.
The Health & Family Welfare (Data cell) Department, Chennai-9.
SF/SCs.

//FORWARDED BY ORDER //

Section Officer