



GOVERNMENT OF KERALA

Abstract

Health & Family Welfare Department - Malabar Cancer Centre, Thalassery- Pilot implementation of the project "Kerala Bone Marrow Registry " in collaboration with Kerala Development and Innovation Strategic Council (K-DISC) - Administrative Sanction accorded – Orders issued.

HEALTH & FAMILY WELFARE DEPARTMENT

G.O.(Rt)No.2034/2024/H&FWD Dated,Thiruvananthapuram, 26-08-2024

Read 1 Minutes of the Meeting held by Principal Secretary (H&FW) on 11.02.2022 with K-DISC and Kerala Startup Mission.

2 Minutes of the Brainstorming session held on 01.04.2022.

3 G.O. (Rt.) No. 68/2024/PLG&EA (DEVPT & INNOVATION) DATED 03-07-2024.

4 G.O. (Rt.) No. 82/2024/PLG&EA (DEVPT & INNOVATION) DATED 18-08-2024.

ORDER

Department of Health and Family Welfare, e-Health in collaboration with Kerala Development and Innovation Strategic Council (K-DISC) and Kerala Startup Mission organized 'Hack 4 Health', a Hackathon event on November 22nd to 24th, 2021, soliciting startups for solutions to eight problem statements. Single server data analytics dashboard with multiple forms for patient management was one of the eight problem statements. As per the reference read 1st above, it was decided to pilot the Bone Marrow Registry at Malabar Cancer Centre (MCC), Thalassery.

2. As per the reference read 2nd above, during the brainstorming sessions and multiple discussions with the domain experts, it was decided to focus on developing a Bone Marrow registry with inputs

from the Malabar Cancer Centre.

3. The project Kerala Bone Marrow Registry is for setting up a web-based registry for automating and digitizing the patient –donor matching process. The registry will be integrated with the proposed Kerala Cancer Registry. The operations of the Kerala Bone Marrow Registry are closely linked to the Advanced Blood Collection centers, where the donors register their names and the Transplant centers, where the patients register and undergo transplantation. The registry does the donor matching for each patient based on a standardized globally accepted World Marrow Donor Association (WMDA) donor matching algorithm, and the list of matched donors is updated in the registry which can be accessed by the Transplant center. The proposed project will digitally transform the multi-step processes from donor and patient registration, donor-patient matching and the transplant process post donation follow-ups. The proposed Kerala Bone Marrow registry will also integrate with the World Marrow Donor Association (WMDA) so that patients from Kerala can easily search for possible matching donors worldwide and vice versa. Artificial Intelligence and Machine Learning will be utilized to boost patient-donor matching, predict chances of transplant success and post-transplant complications.

4. K-DISC has submitted the project proposal for the Kerala Bone Marrow Registry to the Department of Health and Family Welfare for approval.

5. The Government have examined the matter in detail and are pleased to accord administrative Sanction for the pilot implementation of the project Kerala Bone Marrow Registry in coordination with Malabar Cancer Centre, Thalassery in collaboration with K-DISC, as follows:-

- a. Malabar Cancer Centre shall act as the nodal agency for the pilot implementation of Kerala Bone Marrow Registry.
- b. K-DISC shall engage a competent startup for the development and implementation of Kerala Bone Marrow Registry.
- c. Malabar Cancer Centre shall be responsible for bearing the WMDA annual membership cost of ₹ 5,01,199 *(Rupees Five Lakhs One Thousand One Hundred and Ninety-Nine only) (* Subject to annual revision by WMDA. The amount mentioned is for the year 2024.)

- d. Patient and donor information can be shared with World Marrow Donor Association (WMDA) while searching for donors.
- e. K-DISC shall act as the project Management Unit for the project and engage the technical partner for the project through their startup selection process through the Kerala Startup Mission. K-DISC shall also fund the pilot implementation of the project.

(By order of the Governor)
Dr. Rajan Namdev Khobragade I A S
ADDITIONAL CHIEF SECRETARY

To:

1. The Additional Chief Secretary, Planning and Economic Affairs Department
2. The Executive Vice Chairperson, Kerala Development and Innovation Strategic Council(K-DISC), Thiruvananthapuram
3. The Member Secretary, Kerala Development and Innovation Strategic Council(K-DISC)
4. The Director, Directorate of Health Services, Thiruvananthapuram
5. Deputy Director of Health Services, Directorate of Health Services, Thiruvananthapuram
6. The Principal Accountant General (Audit I & II), Kerala Thiruvananthapuram
7. The Principal Accountant General (A & E), Kerala Thiruvananthapuram
8. Planning & economic Affairs(A/D) Department
9. Director, Malabar Cancer Center Thalassery.
10. Director, Regional Cancer Center, Thiruvananthapuram
11. Project Director, eHealth Kerala
12. I & PR (Web and New Media) Department (for publishing on the website)
13. Stock File/Office Copy (File No.HEALTH-FW2/209/2024-HEALTH)

Forwarded /By order

Section Officer