e-Raktkosh Portal

Recently, the Union Health minister urged the use of the e-Raktkosh portal as a single point for maintaining real-time information on the status of stocks of each blood group.

- The Health Minister has termed the availability of blood in blood banks as 'essential'.
- In several blood disorders like thalassemia and haemophilia regular transfusion of the blood is necessary.

**Blood Disorder**

- A **blood disorder** is any condition that impacts one or more parts of the blood, usually interfering with its ability to work correctly.
- Blood disorder can be categorised as **Common Blood Disorder** like anaemia and **Rare Blood Disorder** like thalassemia.
- **Types of Blood Disorder**
  - **Blood Disorders Affecting Red Blood Cells like** Anemia, Pernicious anemia (B12 deficiency), Aplastic anemia, Autoimmune hemolytic anemia etc.
  - **Blood disorders that affect White Blood Cells like** Lymphoma, Leukemia, Multiple myeloma.
  - **Blood Disorders Affecting Blood Plasma like** hemophilia
  - **Blood Disorders Affecting Platelets like** thrombocytopenia.

**e-Raktkosh portal** is a Centralized Blood Bank Management System. It is a comprehensive IT solution to standardize and streamline the standard operating procedures, guidelines and workflow of blood banks across the nation. It was inaugurated on 7th April 2016 by then Minister of Health and Family Welfare (MoHWFW)

It enforces **Drug & Cosmetic Act, National blood policy standards** and guidelines ensuring proper management of blood. **e-Rakt Kosh has components for management of the blood donation life cycle which includes**:

- The biometric Donor Management System
- Blood grouping,
- TTI screening,
- antibody screening,
- A centralized Blood Inventory Management System
- Bio-Medical Waste Management System for disposal of discarded blood