



KAMARAJ IAS ACADEMY
Only IAS Academy by Grandson of "Perunthalaivar Kamarajar"

Arogya Maitri Sahayata Cube: World's First Portable Hospital

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Context:

Indian Air Force (IAF) and Indian Army have jointly carried out a first-of-its-kind *precise para-drop operation of the Arogya Maitri Health Cube* at a high-altitude area close to 15,000 feet.

These critical trauma care cubes have been indigenously developed under **Project BHISHM (Bharat Health Initiative for Sahyog Hita and Maitri)**.

About:

Built under **Project BHISHM – Bharat Health Initiative for Sahyog Hita and Maitri, Arogya Maitri Cubes** is the world's first disaster hospital that can be airlifted, packed in 72 cubes.

Developed by: **HLL Life Care**, the government's designated agency for sourcing the kit, and manufactured by multiple sellers collaborating to provide a diverse range of essential medical products,

This project was **initiated in 2022** through the Ministry of Defence.

Purpose: Modular trauma management and support system for humanitarian efforts and emergency response.

Features Components:

- **72 detachable mini-cubes**, each **with specialized stations**.
- **Equipment Included:** Mini-ICU, Operation theatre, Cooking station, Food and water supplies, Electricity generator, Blood testing equipment, X-ray machine
- **Medical Capabilities:** Handles gunshots, burns, head, spinal cord, and chest injuries. Minor surgeries, fractures, and major bleeding. Treats over 200 patients.
- **AI Integration:** It **integrates artificial intelligence (AI) and data analytics** to facilitate effective coordination, **real-time monitoring, and efficient management** of medical services in the field.
- **Deployment:** Lightweight and portable, Deployable by **airdrop or ground transportation & Operational within 12 minutes of deployment**.
- **Transport Methods:** **Air, land, sea**
- **Cost:** Approximately **Rs 1.5 crore per unit**.

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