

# Knp unit to make Army combat parachute sys

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**Lucknow:** The Kanpur-based Ordnance Parachute Factory (OPF) will manufacture the military combat parachute system (MCPS), commonly recognised as combat free fall parachute, engineered for special forces to infiltrate near or beyond enemy lines from air while carrying full weapon gear.

Designed and developed by DRDO's Agra-based lab, ADRDE (Aerial Delivery Research and Development Establishment), the technology of the system was transferred to OPF Kanpur for manufacturing at the ongoing 15th Aero India, Bengaluru, the aerospace and defence exhibition. Apart from OPF, Kanpur, Chandigarh-based Airbornics Defence & Space Pvt Ltd has also received transfer of technology (ToT).

Speaking to TOI, Gyasuddin Quraishi, a scientist and PRO of ADRDE, said: "The system is engineered in such a way that apart from army, air force and navy, the special frontier force could operate it. More than 350 trials were executed by ADRDE and Paratrooper Training School (PTS), air force, Agra. The system was commissioned in 2023."

The system payload capacity is 200 kg with maximum deployment altitude of 30,000 ft (9.1km) and could be deployed at the velocity of 280 kmph. The glide ratio is 4:1 with a ca-



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nopy of 34 sqm. The parachute system incorporates a pre-breathing console for up to six persons for minimum 60 minutes, personal bailout oxygen system of minimum 45 minutes, dilution demand oxygen regulator, helmet with communication and mask, jump shoes, jump suit, goggles, gloves, and jack knife. It features an altimeter and automatic activation device. The navigation system comprises para computer and interpersonal radio, compass, and GPS-NAVIC.

"MCPS provides a solution for military free fall applications. It will enable paratroopers to infiltrate with combat load into designated area of operations, gliding up to 40km range after jump from an aircraft, and deploying their parachutes at predetermined altitude, navigate and land safely as a tactical unit at desired target," added Quraishi.