

## DRDO HANDS OVER MOTOR BIKE AMBULANCE 'RAKSHITA' TO CRPF

Relevant for: Science & Technology | Topic: Indigenization of technology and developing new technology

Institute of Nuclear Medicine and Allied Sciences (INMAS), Delhi based DRDO laboratory, handed over Rakshita, a bike-based casualty transport emergency vehicle to Central Reserve Police Force (CRPF) \ in a ceremony held at CRPF HQ in New Delhi on 18 January 2021. DS & DG (LS), DRDO, Dr AK Singh handed over the model of Rakshita to DG CRPF, Dr AP Maheshwari, followed by the flagging off the contingent of 21 bikes on the occasion.

The bike ambulance will help in overcoming the problems faced by Indian security forces and emergency healthcare providers. It will provide life-saving aid for evacuation of injured patients from low intensity conflict areas. This will be handy in the congested streets and remote locations, where access through ambulance is difficult and time consuming. The bike can respond to a medical emergency need of patients faster than a four-wheeler due to its functionality and integrated emergency medical support system.

Rakshita is fitted with a customized reclining Casualty Evacuation Seat (CES), which can be fitted in and taken out as per requirement. Other major features are the head immobilizer, safety harness jacket, hand and foot straps for safety, adjustable footrest, physiological parameter measuring equipment with wireless monitoring capability and auto warning system for driver. The vital parameters of the patient can be monitored on the dashboard mounted LCD. It is also equipped with air splint, medical and oxygen kit for on spot medical care.

This bike ambulance is useful not only for the paramilitary and military forces but has potential civil applications too.

Secretary DD R&D and Chairman DRDO Dr G Satheesh Reddy appreciated the efforts of scientists for this indigenous and cost-effective solution to a common challenge faced by our security forces.

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### ABB/ Nampi/KA/Rajib

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