

GOVERNMENT OF INDIA
MINISTRY OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF SCIENCE AND TECHNOLOGY
RAJYA SABHA
UNSTARRED QUESTION No. 1399
ANSWERED ON 31/07/2025

MULTI-SPECTRAL CAMOUFLAGE SYSTEMS

1399 DR. PARMAR JASHVANTSINH SALAMSINH:

Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

- (a) the total financial assistance provided by the Technology Development Board (TDB) to M/s Meta Tattva Systems Pvt. Ltd. for the establishment of the Industrial Meta Tattva Facility;
- (b) the key features of the Multi-Spectral Camouflage Systems (MSCS), and how does it enhance the concealment of defence assets across visual, ultraviolet (UV), infrared (IR) spectrums;
- (c) which defence entities have field-tested and validated the MSCS and the outcomes of these trials; and
- (d) the timeline for the operational deployment of the MSCS, how does it align with India's objectives of achieving self-reliance in counter-surveillance?

ANSWER

MINISTER OF STATE (INDEPENDENT CHARGE) FOR THE
MINISTRY OF SCIENCE AND TECHNOLOGY & EARTH SCIENCES
(DR. JITENDRA SINGH)

- (a) The Technology Development Board (TDB), Department of Science and Technology, has provided financial assistance to M/s Meta Tattva Systems Private Limited, New Delhi, in terms of loan. The contribution from TDB along with M/s Meta Tattva Systems Private Limited has been used for the establishment of an Industrial Meta Tattva Facility.
- (b) The Multi-Spectral Camouflage Systems (MSCS) is based on cutting-edge technologies. MSCS has features of concealment across a wide-spectrum of wavelengths. For mixing with surroundings, camouflage scheme is put-over with visual and other compliant substances.
- (c) The camouflage system has been field-tested and validated by users in the defence domain and the outcomes have largely been positive.
- (d) The project exemplifies the spirit of 'Atmanirbhar Bharat' by translating research into defence applications. The MSCS has been field tested and validated. This indigenous camouflage system will mark an important step toward strengthening India's technological edge in modern warfare.
