

GOVERNMENT OF INDIA
MINISTRY OF DEFENCE
DEFENCE RESEARCH & DEVELOPMENT ORGANISATION
LOK SABHA
UNSTARRED QUESTION NO. 3515
TO BE ANSWERED ON 13th March, 2026

QUANTUM COMMUNICATION BASED DEFENCE SYSTEM

3515. SHRI SHAHU SHAHAJI CHHATRAPATI:

Will the Minister of DEFENCE be pleased to state:

- (a) whether the Government has any project under implementation to develop a quantum communication-based defence system;
- (b) if so, the details thereof;
- (c) the timeline for operationalisation of the said system; and
- (d) whether the Government has estimated any expenditure for development and deployment of the said system and if so, the details thereof?

A N S W E R

MINISTER OF STATE
IN THE MINISTRY OF DEFENCE

(SHRI SANJAY SETH)

(a) to (d) Yes. A Project for demonstrating fibre based secure quantum communication has been completed and Proof of Concept (POC) for 200 km fibre Quantum Key Distribution (QKD) has been successfully established. DRDO, in collaboration with IIT Delhi, has also demonstrated quantum entanglement based free-space quantum secure communication. A follow-up project to demonstrate Long Range Free Space Quantum Key Distribution is in planning stage and the expected cost of project will be Rs 118 Cr.
