

**GOVERNMENT OF INDIA
DEFENCE
LOK SABHA**

UNSTARRED QUESTION NO:1141
ANSWERED ON:22.07.2016
Aeronautical Segment of DRDO
Hari Shri G.

Will the Minister of DEFENCE be pleased to state:

- (a) whether the Defence Research and Development Organisation (DRDO) has estimated that its aeronautical segment alone would need critical, high value test facilities worth Rs.10,000 crore over the next 10 years for various indigenous plans;
- (b) if so, the details thereof;
- (c) whether an aerodynamic test facility, an engine test facility and test ranges for aircraft and helicopters are under development at present, if so, the details thereof;
- (d) whether an engine test facility costing Rs.1,500 crore was planned at Rajanukunte near Bengaluru; and
- (e) if so, the details thereof?

Answer

MINISTER OF STATE (DR. SUBHASH BHAMRE)
IN THE MINISTRY OF DEFENCE

(a) & (b): Aeronautical Cluster Laboratories of Defence Research and Development Organisation (DRDO) has estimated that it would need approx Rs.4,000 Crore over the next 10 years for development of critical and high value test facilities for various indigenous plans.

Gas Turbine Research Establishment (GTRE) is expected to spend approximately Rs.2100 Crore in Rajanukunte Campus and Rs.1600 Crore at Nagarjunasagar, whereas, Aeronautical Development Establishment (ADE) has planned to develop Aeronautical Test Facility costing approximately Rs.350 Crore at Chitradurga.

(c) GTRE has planned for setting up of Component Test Facilities (Aerodynamic and Mechanical Test Facilities) and Full Engine Test Facilities for Aero Gas Turbine Engines.

Aeronautical Test Range has been planned by ADE to build at Chitradurga for testing of un-manned and manned aerial vehicles. It consists of a runway of 2 km length, Range Control Centre, two Hangers for assembly of Unmanned Aerial Vehicles (UAVs) a radar building, logistic buildings and security building.

(d) Yes, Madam. GTRE has planned to set-up Full Engine Test Facilities for Aero Gas Turbine Engines and Component Test Facilities at Rajanakunte Campus, Bengaluru.

(e) The following Component Test Facilities to test Gas Turbine Engines have been envisaged at Rajanukunte, Bengaluru.

â€¢ Fan and Compressor test facility, combustor, Turbine and Afterburner test facility with thrust Vectoring Nozzle.

â€¢ Twin test cells for full scale engine testing along with Engine Assembly Hangar and Compressed air House.

â€¢ Small Engine Test Facility.

â€¢ Test facility to test Marine Gas Turbine Engines.

â€¢ Air supply facilities for test rigs, buildings, roads and other infrastructure has also been planned.

â€¢ The above test facilities is likely to cost approximately Rs.2100 Crore.
