

GOVERNMENT OF INDIA  
MINISTRY OF DEFENCE  
DEPARTMENT OF DEFENCE PRODUCTION  
**LOK SABHA**  
**UNSTARRED QUESTION NO.4522**  
TO BE ANSWERED ON THE 12<sup>TH</sup> AUGUST, 2016  
**RESEARCH AND DEVELOPMENT AT HAL**

4522. SHRI NIMMALA KRISTAPPA:

Will the Minister of DEFENCE j{k k ea=h  
be pleased to state:

- (a) whether the Government proposes to increase the spending on research and development of the Hindustan Aeronautics Limited (HAL);
- (b) if so, the details thereof;
- (c) whether the HAL is undertaking crucial aircraft projects; and
- (d) if so, the details thereof?

A N S W E R

MINISTER OF DEFENCE  
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(SHRI MANOHAR PARRIKAR)  
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**(a) & (b): HAL's expenditure on Research & Development (R&D) in last three years is in the range of 7% of the annual turnover. In the year 2013-14, HAL has created a R&D corpus with annual contribution of 10% of the operational profit after tax. This corpus fund is for the company to build up aviation R&D capabilities through in-house R&D programs and through private industries and academic institutions.**

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**(c) & (d): Following Design & Development Programs are undertaken at HAL:-**

- (i) Light Combat Helicopter (LCH).**
- (ii) Light Utility Helicopter (LUH).**
- (iii) Basic Trainer Aircraft, HTT-40.**
- (iv) Light Combat Aircraft Tejas (MK 1A configuration).**
- (v) Fixed and Rotary Wing Unmanned Aerial Vehicles (UAVs).**
- (vi) 25 KN Turbofan Engine (HTFE-25).**
- (vii) 1200 KW Turbo Shaft Engine (HTSE-1200).**
- (viii) Avionics and accessories for various platform.**

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