

**GOVERNMENT OF INDIA  
DEFENCE  
LOK SABHA**

UNSTARRED QUESTION NO:5447  
ANSWERED ON:29.04.2013  
RESEARCH AND DEVELOPMENT IN DEFENCE PSUS  
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**Will the Minister of DEFENCE be pleased to state:**

- (a) the percentage in terms of total turnover of fund spent for Research and Development (R&D) by each of the Defence Public Sector Undertakings (PSUs);
- (b) whether there are norms to spend a fixed percentage on R&D;
- (c) if so, the details thereof; and
- (d) the percentage of such funds in comparison to the extent of funds for R&D by developed countries?

**Answer**

MINISTER OF STATE IN THE (SHRI JITENDRA SINGH) MINISTRY OF DEFENCE

(a) The percentage in terms of total turnover of fund spent for Research & Development during 2011-12 by each of the 9 Defence Public Sector Undertakings is as under:-

- (i) Hindustan Aeronautics Ltd : 7.62%
- (ii) Bharat Electronics Ltd : 8.08%
- (iii) BEML Ltd. : 2.39%
- (iv) Mazagon Dock Ltd. : 1.41%
- (v) Garden Reach Shipbuilders & Engineers Ltd : 0.02%
- (vi) Goa Shipyard Ltd. : 0.75%
- (vii) Bharat Dynamics Ltd. : 1.51%
- (viii) Mishra Dhatu Nigam Ltd. : 0.80%
- (ix) Hindustan Shipyard Ltd. : Nil

(b) & (c): The norms for R&D, as per the guidelines of Department of Public Enterprises, are a minimum expenditure of 1% of Profit After Tax (PAT) for Maharatna & Navratna categories of Central Public Sector Enterprises. In respect of other CPSEs, it is 0.5% of PAT.

(d) Such information is not being maintained in the Department of Defence Production.