

(b) Vocational Courses:

- (i) Repair of electrical and electronic appliances.
- (ii) X-ray/ECG Technician and Operation Theatre Assistant.
- (iii) Advance welding.
- (iv) JCB Operator.
- (v) AC & Refrigeration.
- (vi) Seafaring.

(c) Management Course:

- (i) 24 Week Management courses in renowned institutes.
- (ii) Modular management courses on retail, business project, entrepreneurship, insurance, travel and tourism, supply chain management.

(d) IT and Computer Course:

- (i) DOEACC 'O' level course.
- (ii) Computer hardware maintenance.
- (iii) Computer networking.
- (iv) Desktop publishing.
- (v) Book keeping and Accountancy using Tally.
- (vi) Microsoft certified professional and solution provider (MCP & MCSP).

(e) Hospitality Courses.

(f) Logistics and Transport Management

(g) Corporate Office Management

(h) Material Management

Allocation of funds for Defence R&D

2126. SHRIMATI SASIKALA PUSHPA: Will the Minister of DEFENCE be pleased to state:

- (a) whether the Defence PSUs have been spending money on R&D projects, if so, the details thereof;

- (b) whether Government has any norm for setting apart a fixed percentage of their fund for this purpose, if so, the details thereof, and if not the reasons therefor;
- (c) whether Government has compared the allocation of fund made by other foreign countries for defence R&D with ours, if so, the details thereof; and
- (d) the action taken by Government to encourage R&D in defence?

THE MINISTER OF STATE IN THE MINISTRY OF DEFENCE (RAOINDERJIT SINGH): (a) The expenditure on Research and Development by each of the nine Defence Public Sector Undertakings in 2013-14 is as under:

(₹ in crore)

| Name of DPSU | Expenditure on R&D |
|--|--------------------|
| Hindustan Aeronautics Ltd. | 1083.00 |
| Bharat Electronics Ltd. | 467.00 |
| BEML Ltd. | 86.23 |
| Mazagon Dock Ltd. | 47.56 |
| Garden Reach Shipbuilders & Engineers Ltd. | 2.92 |
| Goa Shipyard Ltd. | 3.71 |
| Bharat Dynamics Ltd. | 19.89 |
| Mishra Dhatu Nigam Ltd. | 7.97 |
| Hindustan Shipyard Ltd. | 6.48 |

(b) 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 and Navratna categories of Central Public Sector Enterprises (CPSEs). In respect of other CPSEs, it is 0.5% of PAT. All profit making Defence PSUs are complying with DPE norms for R&D expenditure.

(c) The data about R&D expenditure by foreign countries is not maintained.

(d) The Government provides assistance to Indian Industry/DPSUs/OFB/consortia in Research and Development of defence equipment. Under the 'Make' Category of Defence Procurement Procedure, there is a provision for funding 80%

of the expenditure on Research and Development of prototype by the Government. Additionally, a Technology Development Fund (TDF) was announced in Union Budget 2014-15 to provide necessary resources to public and private sector companies, including SMEs as well as academic and scientific institutions to support Research and Development of defence systems that enhance cutting edge technology capability in the country.

So far as DPSUs are concerned, in the MOUs signed between Government and DPSUs, a certain percentage of turnover has been fixed towards expenditure on R&D.

Violation of ceasefire on the LoC

2127. SHRI MANI SHANKAR AIYAR: Will the Minister of DEFENCE be pleased to state:

(a) the number of violations of the ceasefire on the Line of Control (LoC) in Jammu and Kashmir in the five years, year-wise, between the declaration of the ceasefire and the terrorist attack in Mumbai on 26 November, 2008; and

(b) the number of violations between November, 2008 and the present year, year-wise?

THE MINISTER OF DEFENCE (SHRI MANOHAR PARRIKAR): (a) The details of ceasefire violations along the Line of Control (LoC) in Jammu & Kashmir since declaration of ceasefire *i.e.* 26th November, 2003 to 25th November, 2008 are as under:-

| Year | Number of Ceasefire Violations |
|---|--------------------------------|
| 2003 | Nil |
| (with effect from 26th November to 31st December) | |
| 2004 | 01 |
| 2005 | 06 |
| 2006 | 03 |
| 2007 | 21 |
| 2008 | 74 |
| (Upto 25th November) | |