

**GOVERNMENT OF INDIA
COMMUNICATIONS AND INFORMATION TECHNOLOGY
LOK SABHA**

UNSTARRED QUESTION NO:1521

ANSWERED ON:03.03.2006

SHORTAGE OF SOFTWARE AND HARDWARE ENGINEERS

Adhalrao Patil Shri Shivaji;Baxla Shri Joachim;Chinta Mohan Dr. ;Suman Shri Ramji Lal

Will the Minister of COMMUNICATIONS AND INFORMATION TECHNOLOGY be pleased to state:

:-

- (a) the estimated growth of Software and Hardware industries during each of the last three years;
- (b) the foreign exchange earned on exports of Software and Hardware during the above period;
- (c) whether the Government has assessed the actual requirement of Software and Hardware engineers at present in the country;
- (d) if so, the outcome thereof;
- (e) the actual number of engineers required and number of engineers coming out of professional colleges in each State as on date; and
- (f) the measures taken/proposed to be taken to ensure all of them are absorbed within the country?

Answer

MINISTER OF STATE FOR COMMUNICATIONS AND INFORMATION TECHNOLOGY(DR.SHAKEEL AHMAD)

(a) and (b): The total value of Production and Exports in Electronics including IT Software and Hardware for the last three years is given below:

Rs. in Crores

Year	Production	Exports
2002-03	97000	51700
2003-04	118290	65940
2004-05	152420	88180

(c) and (d): The assessment of human resource requirement for the IT sector is a continuous process. NASSCOM and the Department of Information Technology (DIT) have been continuously looking at this sector's requirement from time to time. This has resulted in DIT initiating measures to generate manpower in key verticals like bio-informatics, VLSI Design and Information Security; NASSCOM launching a pilot phase of NAC programme - NASSCOM's Assessment of Competence to help the ITeS-BPO industry; and ITeS-BPO course implemented by DOEACC Society in North East and Jammu & Kashmir to enhance the skills of youth for employment in ITeS-BPO sector.

(e): The available manpower resources based on intake capacity in the Engineering Degree as approved by All India Council for Technical Education in 2005-06 is 499697(includes Computer Science & Engineering/IT-214488).The State wise breakup is enclosed (Annexure)

(f): IT-ITeS is a globally competitive segment of the industry that has grown at a CAGR of over 28% since financial year 1999- 2000, which generates employment based on merit.