

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

UNSTARRED QUESTION NO:1590

ANSWERED ON:14.08.2013

TELECOM CENTRES OF EXCELLENCE

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

- (a) the details of the Telecom Centres of Excellence (TCOE) set up in various parts of the country including their locations;
- (b) the objectives of setting up of TCOEs in the country and the innovations and products developed by them so far;
- (c) the names of the telephone companies which are associated with TCOE, including the areas of research work identified for each TCOE;
- (d) whether Railtel and IIT Roorkee have signed any Memorandum of Understanding for establishing TCOE; and
- (e) if so, the details thereof including the estimated expenditure likely to be incurred in setting up of TCOE and the time by which it is likely to be operational?

**Answer**

THE MINISTER OF STATE IN THE MINISTRY OF COMMUNICATIONS AND INFORMATION TECHNOLOGY (DR.(SMT.) KILLI KRUPARNI)

(a) to (c) Seven Telecom Centers of Excellence (TCOE) were setup in 2007-08 in Public Private Partnership (PPP) mode in premier centers of technical and management education in the country with support of industry and Government to promote research and development, in manufacturing and services in the telecom sector to meet industry needs. Memorandum of Understanding (MoU) for establishing the 8th TCOE at IIT Roorkee was signed on 5th June 2013. The details of the Telecom Centers of Excellence (TCOE) set up in various parts of the country including their locations and names of the associated companies and the focus areas of the research work for each TCOE are as per Annexure- I.

The objectives for setting up of TCOEs and details of innovations and products developed by them is provided in Annexure- II.

(d) & (e) Tripartite MoU for establishing the 8th TCOE at IIT Roorkee with Railtel India Corporation as Sponsoring Partner was signed with DoT on 5th June 2013. Railtel India Corporation, a Central Public Sector Enterprise, is providing 100 % financial assistance for establishment of the TCOE. The Centre is known as RailTel-IITR Centre of Excellence in Telecom (RICET) and its focus area is "ICT & Broadband Applications".

The estimated expenditure likely to be incurred by Railtel is approx. Rs. 12 crores over a 5 year period. RICET has come into existence with the signing of the MoU.