

**GOVERNMENT OF INDIA  
MINISTRY OF COMMUNICATIONS  
DEPARTMENT OF TELECOMMUNICATIONS  
LOK SABHA  
UNSTARRED QUESTION NO. 1555  
TO BE ANSWERED ON 27<sup>TH</sup> DECEMBER, 2017**

**REDUCTION IN CARBON EMISSIONS**

1555. SHRI PRALHAD JOSHI:

Will the Minister of COMMUNICATIONS be pleased to state:

- (a) whether the Government is taking steps to ensure that telecom companies reduce carbon emissions as per TRAI's recommendation; and
- (b) if so, the details thereof?

ANSWER

**THE MINISTER OF STATE (IC) OF THE MINISTRY OF COMMUNICATIONS &  
MINISTER OF STATE IN THE MINISTRY OF RAILWAYS  
(SHRI MANOJ SINHA)**

(a) & (b) Madam, Telecom Regulatory Authority of India (TRAI) made recommendation on 12.04.2011 regarding "An approach towards Green Telecom". On the basis of TRAI recommendations, Department of Telecommunications (DoT) issued directions in January, 2012 regarding Implementation of Green Technologies in Telecom Sector. The directives, inter-alia, spelt out that "Based on the details of footprints declared by all service providers, service providers should aim at carbon emission reduction targets for mobile networks by 5% by the year 2012-2013, 8% by the year 2014-2015, 12% by the year 2016-2017 and 17% by the year 2018-2019." All service providers were also directed to declare the carbon footprint of their network operations to TRAI.

Further, a Renewable Energy Technology (RET) Committee consisting of officers from Department of Telecommunications (DoT), Ministry of New and Renewable Energy (MNRE), Industry representatives and others was constituted and mandated to develop a road map and comprehensive programme for facilitating increased use of RETs for powering Telecom networks. Subsequently, TRAI was requested to give recommendation on (i) Methodology of measuring Carbon Emission (ii) Calibration of target for implementation of Renewable Energy Technologies (RETs). In response, DoT has received TRAI recommendation dated 23.10.2017 entitled "Approach towards Sustainable Telecommunications".

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