

**GOVERNMENT OF INDIA
POWER
LOK SABHA**

STARRED QUESTION NO:101

ANSWERED ON:17.08.2012

TRANSMISSION AND DISTRIBUTION LOSSES

Aaron Rashid Shri J.M.;Sahu Shri Chandulal Chandu Bhaiya

Will the Minister of POWER be pleased to state:

- (a) the details of transmission and distribution (T&D) losses reported during the last three years and the current year, State/UT-wise and the extent to which these losses raise the cost of power;
- (b) whether Smart Grid Projects aimed at bringing down such losses are being implemented by various State Governments;
- (c) if so, the details thereof along with the present status of their implementation, State and Project-wise;
- (d) the expenditure likely to be incurred on such projects, financial assistance provided by the Union Government for such projects along with the extent to which T&D losses are likely to be reduced as a result thereof; and
- (e) the steps being taken or proposed to be taken by the Government for strengthening the works relating to research and development in power generation, transmission and distribution sector?

Answer

THE MINISTER OF POWER (DR. M. VEERAPPA MOILY)

(a) to (e) : A Statement is laid on the Table of the House.

STATEMENT

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (e) OF STARRED QUESTION NO. 101 TO BE ANSWERED IN THE LOK SABHA ON 17.08.2012 REGARDING TRANSMISSION AND DISTRIBUTION LOSSES.

(a): Aggregate Technical and Commercial (AT&C) Losses which include transmission and distribution losses, for the States and UTs, for the year 2008-09, 2009-10 & 2010-11 as per PFC's report are given at Annex. Audited data for determining AT&C losses for the current year is not available. High AT&C losses do result in higher cost of power to end users.

(b) to (d): India Smart Grid Task Force constituted by Ministry of Power has recommended taking up Smart Grid Pilots to test various functionalities like demand side management, peak load management, outage management, integration of renewables into the grid etc. including reduction in AT&C losses. On the basis of these recommendation, proposals for Smart Grid Pilots from State Utilities were invited and 14 proposals have been shortlisted. Decision on implementation of these pilots would be taken on continuation of R-APDRP and the availability of funds under R-APDRP in 12th Plan.

(e): R&D policy of the Government is to promote R&D project that help the nation become self-reliant in technology. The R&D activities under Ministry of Power are undertaken by central public sector undertakings. The Government is funding National Perspective Plan for R&D in Indian power sector, Research Scheme on Power and several research projects of Central Power Research Institute. In the Thermal Generation sector work being done is in the areas of stabilization of super critical units of 660 MW capacity, efficiency improvement of thermal power plants, control instrumentation etc. In the area of hydro generation, NHPC and other Hydro utilities alongwith BHEL have contributed in improving turbine design. In the transmission field, 800 kV DC has been introduced. Introduction of 1200 kV level high voltage AC System has been developed indigenously by Powergrid under public private partnership. These technologies will increase the stability of the System, apart from improving generation and transmission efficiency.