

**GOVERNMENT OF INDIA  
POWER  
LOK SABHA**

UNSTARRED QUESTION NO:3959

ANSWERED ON:10.08.2017

Research in Power Generation, Transmission and Distribution

Patil Shri Vijaysinh Mohite;Sule Smt. Supriya Sadanand

**Will the Minister of POWER be pleased to state:**

- (a) whether the Government has made any investment to promote research in power generation, transmission and distribution equipment;
- (b) if so, the details thereof and the objectives thereof;
- (c) the challenges faced by the Government in this regard and the steps taken by the Government to overcome those difficulties/challenges;
- (d) whether there is any improvement in the related indices like reduction in transmission losses after the said initiative of the Government;
- (e) if so, the State-wise distribution of the related indices since 2010; and
- (f) whether the Government is undertaking any other policies for promoting development of generation, distribution and transmission related infrastructure and if so, the details thereof?

**Answer**

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER,  
COAL, NEW & RENEWABLE ENERGY AND MINES

( SHRI PIYUSH GOYAL )

(a) & (b) : Ministry of Power through its nodal research body Central Power Research Institute (CPRI) coordinates the research activities in the Power Sector. These research activities are directed towards generation, transmission and distribution areas in the Power Sector, including the equipment used in these areas.

Besides, Ministry of Power also participates in research projects under Uchhatar Avishkar Yojana (UAY) and Impacting Research Innovation and Technology (IMPRINT) schemes of Ministry of Human Resource and Development (MHRD).

An outlay of Rs.80 Crore was approved for "Research & Development Schemes of CPRI" in June, 2014, out of which Rs. 35.01 crore has been released upto 31.03.2017.

In addition, various Public Sector Undertakings of Ministry of Power, Ministry of New and Renewable Energy, Department of Heavy Industry are also involved in R&D activities in Power Sector.

Details of the major research projects taken up under the Research & Development Schemes of CPRI as well as by a consortium comprising of NTPC, IGCAR and BHEL are given in Annexure-I.

(c) : No specific difficulties/challenges have come to the notice of the Ministry of Power.

(d) & (e) : There has been a gradual decrease in Transmission and Distribution (T&D) losses. State-wise T&D losses since 2009-2010 are indicated at Annexure-II.

(f) : Government has taken several measures for promoting development of generation, distribution and transmission related infrastructure, which inter-alia, include the following:

(i) Preparation of State specific action plans for '24X7 Power for All' covering adequacy of generation, transmission capacity and distribution system.

(ii) Launching of Deendayal Upadhyaya Gram Jyoti Yojana (DDUGJY) for rural areas.

(iii) Launching of Integrated Power Development Scheme (IPDS) for urban areas.

(iv) Operationalization of Power System Development Fund (PSDF)

(v) Launching of Ujwal Discom Assurance Yojana (UDAY).

(vi) Reduction on the generation cost of coal based power projects.

(vi) Implementation of Green Energy Corridor for transmission of renewable energy.

(vii) Amendment in Tariff Policy for increasing procurement of power from expansion of existing private power plants on regulated tariff from 50% to 100% of existing capacity.

(ix) Approval of new Coal Allocation Policy, 2017, for power sector, namely, SHAKTI (Scheme for Harnessing and Allocating Koyala Transparently in India).

(x) Amendment in Mega Power Policy 2009 for extending the time period for furnishing the final Mega certificates to 120 months from 60 months for the provisional Mega projects (25 projects).

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