

**GOVERNMENT OF INDIA  
MINISTRY OF POWER**

**LOK SABHA  
UNSTARRED QUESTION NO.1613  
TO BE ANSWERED ON 28.12.2017**

**CONSTRUCTION OF ULTRA SUPERCRITICAL THERMAL POWER PLANT**

**1613. SHRI A. ANWHAR RAAJHAA:**

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

- (a) whether the Government is in the process of construction of a 800 MW advanced ultra supercritical thermal power plant which will run on an indigenous technology that is developed to reduce carbon emissions;**
- (b) if so, the details thereof;**
- (c) the time by which the project is likely to be completed and commercial production of thermal power be commenced; and**
- (d) whether the place has been identified to construct the proposed power station, if so, the details thereof along with budget estimate for the project?**

**A N S W E R**

**THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER AND  
NEW & RENEWABLE ENERGY**

**( SHRI R. K. SINGH )**

**(a) to (d) : An indigenous research is being carried out jointly by Bharat Heavy Electricals Ltd. (BHEL), NTPC Ltd. and Indira Gandhi Centre for Atomic Research (IGCAR) for the development of an Advanced Ultra Supercritical (AUSC) Technology for Thermal Power Plants, in a Mission Mode, to be completed in a time frame of two and half years. This R&D project envisages approx. 11% reduction in both coal consumption and carbon-dioxide emission as compared to present day supercritical technology. The R&D Phase of the project involves an estimated expenditure of Rs. 1554 crore with a contribution of Rs. 270 crore from BHEL, Rs. 50 crore from NTPC, Rs. 234 crore from IGCAR, Rs. 100 crore from the Department of Science and Technology (DST). The balance amount of Rs. 900 crore is being provided by the Department of Heavy Industry (DHI) as Plan Gross Budgetary Support, spread over three years, commencing from 2017-18 for implementation of the R&D project. The R&D Phase of the project will be followed by a demonstration project of 800 MW thermal power plant with such technology to be set up by NTPC Ltd., within a period of four and a half years after the completion of R&D project.**

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