

**GOVERNMENT OF INDIA  
MINISTRY OF POWER**

**LOK SABHA  
STARRED QUESTION NO.193  
TO BE ANSWERED ON 08.03.2018**

**USE OF FARM STUBBLE PELLETS IN POWER PLANTS**

**\*193. DR. PRITAM GOPINATH MUNDE:  
SHRI VINAYAK BHAURAO RAUT:**

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

- (a) whether the Union Government is inclined to turn the use of farm residue based fuel into a policy for all power plants in the country and if so, the details thereof;**
- (b) whether NTPC has implemented a plan for mixing of farm stubble pellets up to 10 per cent of the total fuel in a power plant and if so, the details thereof;**
- (c) whether mixing of farm stubble pellets will affect the efficiency in terms of gross calorific value and if so, the details thereof;**
- (d) whether NTPC has planned to expand the scheme of mixing of farm stubble pellets gradually in all its plants and if so, the details thereof; and**
- (e) whether the use of farm stubble pellets in power plants will increase the cost of power generation and if so, the details thereof?**

**A N S W E R**

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

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

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

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## STATEMENT

**STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (e) OF STARRED QUESTION NO.193 TO BE ANSWERED IN THE LOK SABHA ON 08.03.2018 REGARDING USE OF FARM STUBBLE PELLETS IN POWER PLANTS.**

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**(a) : Ministry of Power has issued a policy to use 5-10% of biomass pellets along with coal for power generation in thermal power plants. Further, in order to promote use of the Biomass pellets, Central Electricity Authority vide letter dated 24.11.2017 has written to all Central/State Utilities, State Governments, Power Equipment Manufactures/IPPs/Generating Companies that all fluidized bed and pulverized coal units (Coal based thermal power plants) except those having ball and tube mill, of power generating utilities, public or private located in India, shall endeavour to use 5-10% blend of Biomass pellets made, primarily, of agro residue along with coal after assessing the technical feasibility, viz. Safety aspects etc.**

**(b) to (e) : NTPC has test fired up to 10% biomass pellets along with coal at its NTPC Dadri plant.**

**To begin with, NTPC has invited tenders for procurement of 500 TPD (tonnes per day) agro residue based biomass pellets and 500 TPD of agro residue based torrefied biomass pellets/briquettes for power generation at NTPC Dadri Project to be supplied over a period of two years. NTPC has informed that mixing of biomass pellets with coal shall have a minor impact on the efficiency of the power plant.**

**The impact on the cost of generation will depend on difference in price of biomass pellets and that of coal, change in efficiency, auxiliary power consumption and additional capital expenditure required for biomass pellets material handling infrastructure.**

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