

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.1387
ANSWERED ON 10.02.2022**

USE OF BIOMASS IN POWER PLANTS

**1387. SHRI P. P. CHAUDHARY:
SHRI JAGDAMBIKA PAL:**

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

- (a) whether the Government has undertaken any comprehensive study to increase the use of biomass in coal-powered thermal power plants;**
- (b) if so, the details thereof along with the other steps, if any, taken by the Government to achieve carbon neutral power generation from the thermal power plants;**
- (c) whether the Government proposes to increase the amount of biomass used in coal power plants; and**
- (d) if so, the steps taken to handle the higher amount of co-firing of biomass with coal in pulverised coal fired boilers in that case?**

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a) to (d) : NTPC Ltd., a Central Public Sector Undertaking (CPSU) under Ministry of Power (MoP) has successfully demonstrated co-firing of biomass at its Dadri Thermal Power Station over a period of time. Following steps have also been taken by MoP towards use of bio-mass in generation from the coal based thermal power plants (TPPs):

- i. In November, 2017, MoP issued a policy regarding “Biomass Utilization for Power Generation through co-firing in Coal-based power plants” wherein all fluidized bed and pulverized coal units (coal based TPPs) located in India were advised to endeavor 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.**
- ii. In order to further promote use of biomass pellets in coal based TPPs, MoP revised the above policy in October, 2021 to mandatorily co-fire the suitable biomass pellets in the range of 5% to 7% in all coal based power plants depending upon their type of milling system.**
- iii. MoP has established a National Mission on Use of Biomass in Thermal Power Plants (NMBTPP) in July, 2021 to expedite the utilization of biomass in TPPs.**
- iv. A specialized Sub-Group has also been constituted under the aegis of NMBTPP to deal with Research and Development (R&D) on Boiler design and safety aspects for higher amount of co-firing of biomass.**
