

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.152
ANSWERED ON 25.11.2024

CARBON CAPTURE, UTILISATION AND STORAGE (CCUS) TECHNOLOGY

152. SMT. PRIYANKA CHATURVEDI:

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

- (a) whether Carbon Capture, Utilisation and Storage (CCUS) technology has been implemented by Government in the country, if so, the details thereof;
- (b) whether CCUS has been effective in addressing the local pollution and emission issues in regions where it has been used; and
- (c) whether Government plans to extend CCUS technologies in the country and if so, the details thereof?

A N S W E R

THE MINISTER OF STATE IN THE MINISTRY OF POWER

(SHRI SHRIPAD NAIK)

(a) to (c) : NTPC has taken up the following small-scale pilot/R&D projects for flue gas CO₂ capture and utilization:

- (i) A 10 tons per day flue gas CO₂-to-Methanol project at NTPC Vindhyachal, Madhya Pradesh.
- (ii) A 10 tons per day flue gas CO₂-to-Gen-4 Ethanol project at NTPC Lara, Chhattisgarh.

The projects are in demonstration stage. No dedicated study has been conducted to evaluate the impact of CCUS technology on local pollution and emission challenges.
