

**GOVERNMENT OF INDIA
POWER
LOK SABHA**

UNSTARRED QUESTION NO:2587
ANSWERED ON:04.12.2009
CARBON CAPTURING AND STORAGE TECHNOLOGY
Rao Shri Nama Nageswara

Will the Minister of POWER be pleased to state:

- (a) whether the efficiency of the coal based power plants can be raised by using ultra super critical boilers which can also reduce pollution from these plants;
- (b) if so, the details thereof;
- (c) whether the Government proposes to adopt any alternative technologies such as carbon capturing and storage (CCS) in the coal-based power plants;
- (d) if so, the details thereof; and
- (e) if not, the reasons therefor?

Answer

MINISTER OF THE STATE IN THE MINISTRY OF POWER (SHRI BHARATSINH SOLANKI)

- (a) & (b): Yes, Madam. The efficiency of a coal based power plant can be improved by using Ultra Super Critical (USC) technology which can also reduce emission from these plants. The pollution from the plants using Ultra Super Critical parameters will be less than that of a conventional sub-critical plant of a similar capacity by about 7.5% to 8.5% with presently matured USC technology.
- (c) to (e): Presently, there are no plans to adopt any alternative technologies such as Carbon Capturing and Storage in Coal Based Power Plants as in its present form is not considered techno-commercially viable.