

GOVERNMENT OF INDIA  
MINISTRY OF HEAVY INDUSTRIES  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 1065**  
**ANSWERED ON 28.07.2023**

**PROMOTING DECARBONISATION IN HEAVY INDUSTRIES**

**1065. DR. PRASHANTA NANDA:**  
**SMT. SULATA DEO:**

Will the Minister of **Heavy Industries** be pleased to state:

- (a) whether there is a scheme in place to promote decarbonisation in carbon-intensive and carbon-specific heavy industries;
- (b) if so, the details thereof;
- (c) whether Government is taking measures to promote decarbonisation among carbon intensive public sector undertakings (PSUs); and
- (d) if so, the details thereof, if not, the reasons therefor?

**ANSWER**  
**THE MINISTER OF STATE FOR HEAVY INDUSTRIES**  
**(SHRI KRISHAN PAL GURJAR)**

- (a): At present, Ministry of Heavy Industries (MHI) has no such scheme in place.
- (b): Does not arise.
- (c): The PSUs under Ministry of Heavy Industries have taken in-house initiatives to reduce the CO<sub>2</sub> emissions.
- (d): Major achievements are:

**Bharat Heavy Electrical Ltd. (BHEL)**

- BHEL has successfully demonstrated its indigenous solution for CO<sub>2</sub> Capture through a 1.4 TPD CO<sub>2</sub> Capture unit, integrated with its 0.25 TPD Coal-to-Methanol demonstration plant using amine-based CO<sub>2</sub> absorption method.
- Advanced Ultra Supercritical Technology (AUSC), indigenously developed by BHEL along with NTPC and IGCAR, provides best-in-class efficiency in coal-based power generation by reducing CO<sub>2</sub> emissions by about 11% as compared to Super Critical power plants
- BHEL has installed Solar power plants at its manufacturing units, spread across the country, totaling to 35 MW (approx..).

**Cement Corporation of India (CCI):**

CCI has installed Fly Ash Feeding System, hot air duct, replacement of old motors to reduce the carbon emissions from its units.

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