PROMOTING DECARBONISATION IN HEAVY INDUSTRIES

392. SHRI BHARTRUHARI MAHTAB:

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 any measures are being taken by the Government to promote decarbonisation among carbon intensive Public Sector Undertakings (PSUs); and

(d) if so, the details thereof and 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 CO₂ emissions.

(d): Major achievements are:

**Bharat Heavy Electrical Ltd. (BHEL):** BHEL has successfully demonstrated its indigenous solution for CO₂ Capture through a 1.4 TPD CO₂ Capture unit, integrated with its 0.25 TPD Coal-to-Methanol demonstration plant using amine-based CO₂ 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 CO₂ 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.