GOVERNMENT OF INDIA
MINISTRY OF STEEL

RAJYA SABHA
UNSTARRED QUESTION NO.1408
FOR ANSWER ON 03/07/2019

CARBON DIOXIDE EMISSION ON PRODUCTION OF HOT METAL

1408. SHRI MAJEED MEMON:

Will the Minister of STEEL be pleased to state:

(a) whether it is a fact that in India, on an average two tonnes of carbon dioxide is emitted while producing every tonne of hot metal through blast furnace route; and

(b) if so, the steps taken by Government to curb the carbon emission and reducing cost of production?

ANSWER

THE MINISTER OF STEEL (SHRI DHARMENDRA PRADHAN)

(a) Yes, Sir. On an average around two tonnes of carbon dioxide is emitted while producing one tonne of hot metal through Blast Furnace Route. CO_2 emission from the Blast Furnace route for hot metal production, is from Blast Furnace, Coke Oven and Sinter/ Pellet Plants.

(b) Since iron & steel is a deregulated sector, the decisions on taking steps for reducing the cost of production, and improving the Blast Furnace productivity, are based on techno-economic considerations/ compulsions, which in turn impact the carbon emission. Carbon emission is directly related to the energy consumption in the Blast Furnace which is linked to the inputs used, input material ratio and in turn the Blast Furnace Productivity. The Integrated steel PSU's continuously upgrade their techo-economic parameters of production with a view to reduce both cost of productions and carbon emission.

****