GOVERNMENT OF INDIA
MINISTRY OF STEEL

LOK SABHA

STARRED QUESTION NO. *406
FOR ANSWER ON 29.03.2023

RESEARCH IN IRON AND STEEL SECTOR

***406. SHRI DINESH LAL YADAV "NIRAHUA":**

Will the Minister of STEEL be pleased to state:

(a) whether Public Sector Companies of the iron and steel sector are engaged in Research and Development (R&D):

(b) whether any new scheme has been sanctioned to promote R&D in the iron and steel sector during the last three years and if so, the details thereof; and

(c) the details of the R&D projects started/ likely to be started under the said scheme?

ANSWER

THE MINISTER OF STEEL (SHRI JYOTIRADITYA M. SCINDIA)

(a) to (c): A Statement is laid on the Table of the Lok Sabha.

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STATEMENT REFERRED TO IN REPLY TO PARTS (A) TO (C) OF THE LOK SABHA STARRED QUESTION NO. *406 FOR ANSWER ON 29th MARCH, 2023 TABLED BY SHRI DINESH LAL YADAV "NIRAHUA", MEMBER OF PARLIAMENT REGARDING RESEARCH IN IRON AND STEEL SECTOR

(a) Yes, Sir. Public Sector Companies of the iron and steel sector are engaged in Research and Development (R&D). The R&D carried out have yielded Improvement in Productivity, Quality improvement, Cost reduction, utilisation of waste etc.

(b)&(c): The R&D scheme viz. "Promotion of Research & Development in Iron & Steel Sector" is in operation by Ministry of Steel since 2009-10. The budget allocation for the scheme for FY 2022-23 is ₹4.49 crore. So far 24 R&D Projects have been completed and 15 R&D projects are in progress. The outcome of the completed R&D projects is given below:-

Project Outcome	Total
Process/ Knowhow Developed Adopted by the Industry	5
Process/ Knowhow Developed at lab/ Pilot scale	19
Total	**24**

The following four additional R&D projects have been approved and fund released in Jan-March 2023:-

Sl. No	R&D Project	R&D Implementing Agency
1	Designing a sustainable, low-energy consuming, and modular CO2 capture and mineralization technology by IIT Bombay	IIT Bombay
2	Developing facile electrocatalytic CO2 to CO conversion technology by IIT Bombay	IIT Bombay
3	Eco-Friendly Solution with Metal Recovery and Value Added Products from Stainless Steel Spent Pickle Liquor: A Zero Waste Business Model	CSIR-NML & BITs Pilani
4	Selective removal of CO2 from the gas produced from coal/ biomass using suitable media for gas enrichment	CSIR-IMMT Bhubaneswar

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