

LOK SABHA
UNSTARRED QUESTION NO.1242
FOR ANSWER ON 07/12/2015

STEEL RESEARCH AND DEVELOPMENT PROJECTS

1242. SHRI ANURAG SINGH THAKUR:

Will the Minister of STEEL be pleased to state:

- (a) the amount of funds allocated under Scheme for promotion of R&D with Steel Development Fund during each of the last three years and the current year;
- (b) the details of the types of R&D projects taken up various organisations financed through the said scheme during the said period; and
- (c) the percentage of budget of the Ministry that went into R&D projects during the said period?

ANSWER

THE MINISTER OF STATE IN THE MINISTRY OF STEEL AND MINES (SHRI VISHNU DEO SAI)

- (a) The Funds allocated under Scheme for promotion of R&D with Steel Development Fund during each of the last three years and the current year is given as under:

(Rs. in crores)

Year	Allocation from Steel Development Fund
2012-13	20.00
2013-14	20.00
2014-15	20.00
2015-16	20.00

- (b) Details of R&D Projects taken up by various organisations under the aforesaid scheme, during the last three years and the current year, are annexed.

- (c) Total Budget of Ministry of Steel from Plan Fund and percentage of Budget that went into R&D projects are given below:

(Rs. in crores)

Year	Total Budget	Budget Allocated for R&D from Plan fund	% of Total Budget Allocated for R&D
2012-13	121.89	46.00	37.74%
2013-14	118.97	46.00	38.67%
2014-15	92.92	20.00	21.52%
2015-16	88.13	15.00	17.02%

ANNEXURE

R&D Projects taken up by various organisations with financial assistance from Steel Development Fund during the last three year and the current year:

Sl.No.	R&D Project Type	Title of the R&D Project
1	Improving process efficiency of Blast Furnace	Development of Expert system for Indian Blast Furnace by IIT Kharagpur
2	Improving Heat Recovery & Energy Efficiency	Development of Copper (Cu) – Carbon Nanomaterial (CN) Based Nanocomposite Formulations for Heat Recovery in a steel plant by IIT Guwahati
3	Development of improved Welding Technique for Stainless Steels	Development of suitable Gas Metal Arc Welding (GMAW) procedure for high performance weld joints of modified Ferritic stainless steel and low-nickel austenitic stainless steel by Jadavpur University
4	Development of coal gasification with low graded coal/ wastes	Development of an Entrained flow Gasification System using non-coking coal (F-grade) blended with Dolochar for thermal applications by IMMT Bhubaneswar
5	Developing R&D Infrastructure	Setting up of the Centre of Excellence (CoE) in Steel: by IIT, Bombay.
6	Improvement in coating process of high strength steels	Study on the Interface Layer Formation during Hot Dip Galvanizing of Advanced High Strength or Dual Phase Steels for Automotive Applications by CSIR-NML, in collaboration with Tata Steel Limited
7	Waste Utilisation in IF based steel units	Utilisation of Steel Plant Waste in manufacture of Paver Blocks and Slag Foams submitted by Sathyabama University, Chennai
8	Improving Energy Efficiency in Reheating Furnace	Computer Simulation & e-Demonstration of Reheating Furnace by NISST Mandi Gobindgarh
9	Development of alternate Iron Making Process	Fundamental studies on the reduction kinetics, Heat and Mass Transfer during reduction of iron ore & coal composite pellets in Rotary hearth furnace by IIT Kharagpur
10	Development of alternate joining process in steel	Development of Diffusion bonding technology for development of fatigue and fracture resistant carbon steel and stainless steel joints with different inter-layers by IIT Roorkee
11	Developing R&D Infrastructure	Setting up an Advanced Research Center for Iron and Steel at IIT BHU
12	Production of Quality Steel in Induction Furnace	Production of quality steel through Induction Furnace by JAMIPOL Jamshedpur
