

**LOK SABHA**  
**UNSTARRED QUESTION NO.3016**  
**FOR ANSWER ON 16/03/2015**

**R&D IN STEEL SECTOR**

3016. SHRI NARANBHAI KACHHADIYA:

Will the Minister of STEEL be pleased to state:

- (a) whether the public and private sector steel companies are engaged in Research and Development (R&D) works in the field of iron and steel;
- (b) if so, the details thereof along with the achievements made by these companies during each of the last three years and the current year;
- (c) the total funds allocated and expenditure incurred during the said period, company-wise;
- (d) whether the Government proposes to include any new scheme in the ongoing Five Year Plan for R&D of the steel sector; and
- (e) if so, the details thereof?

**ANSWER**

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

(a) Yes, Madam. Major steel companies like Steel Authority of India Limited (SAIL) and Rashtriya Ispat Nigam Limited (RINL) in the public sector, and Tata Steel Limited, JSW Steel Limited, Essar Steel Limited and Jindal Steel & Power Limited in the private sector are engaged in Research and Development work in the iron and steel sector in the country. The R&D programmes pursued by the companies inter-alia includes R&D in raw materials upgradation; improvement in process/technology, products & productivity; development of new products & improvement in quality; and Improvement in energy consumption & environment management.

(b)&(c): According to information available from the steel companies, the expenditure incurred on R&D activities during the last three years and the current year are given hereunder:-

*(Rs. in crore)*

| S. No. | Company     | R&D Investment |         |         |                       |
|--------|-------------|----------------|---------|---------|-----------------------|
|        |             | 2011-12        | 2012-13 | 2013-14 | 2014-15 (provisional) |
| 1.     | SAIL        | 142            | 156     | 121     | 124                   |
| 2.     | RINL        | 20.29          | 31.13   | 50.27   | 20.41                 |
| 3.     | Tata Steel  | 52.98          | 59.73   | 80.51   | N.A                   |
| 4.     | JSW Steel   | 60.81          | 45.87   | 25.21   | 27.28                 |
| 5.     | JSPL        | 8.98           | 28.57   | 14.21   | 15.65                 |
| 6.     | Essar Steel | N.A            | 25.56   | 22.65   | 19.92                 |

(d)&(e): A new scheme 'Promotion of R&D in Iron & Steel Sector' was introduced by the Government in the 11<sup>th</sup> Five Year Plan which has been continued in the 12<sup>th</sup> Five Year Plan. A new component has been added in the aforesaid scheme in the 12<sup>th</sup> Five Year Plan for development of technology for Cold Rolled Grain Oriented (CRGO) electrical steel sheets and other value added innovative steel products.