



सत्यमेव जयते

**GOVERNMENT OF INDIA**

# **OUTCOME BUDGET**

**OF**

**MINISTRY OF STEEL**

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**2015-2016**

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## **CONTENTS**

<b>CHAPTER NO.</b>	<b>SUBJECT</b>	<b>PAGE NO.</b>
	<b>EXECUTIVE SUMMARY</b>	I-II
<b>I.</b>	<b>INTRODUCTION</b>	1-5
	<ol style="list-style-type: none"> <li>1. <i>Functions</i></li> <li>2. <i>Organisation</i></li> <li>3. <i>Public Sector Undertakings</i></li> <li>4. <i>Research &amp; Development in Iron &amp; Steel Sector</i></li> </ol>	<p style="margin: 0;">1</p> <p style="margin: 0;">2-5</p> <p style="margin: 0;">5</p>
<b>II.</b>	<b>OUTCOME BUDGET (2015-16) - MAJOR SCHEMES</b>	6-19
	<ol style="list-style-type: none"> <li>1. <i>Normal Saving/surrender of non utilized fund in projects/schemes run under Government Budgetary Support</i></li> </ol>	19
<b>III.</b>	<b>REFORM MEASURES AND POLICY INITIATIVES</b>	20-27
	<ol style="list-style-type: none"> <li>1. <i>Liberalisation of the Indian Steel Sector</i></li> <li>2. <i>Major Initiatives taken by Ministry of Steel</i></li> <li>3. <i>New National Steel Policy</i></li> </ol>	<p style="margin: 0;">20-21</p> <p style="margin: 0;">22-27</p> <p style="margin: 0;">27</p>
<b>IV.</b>	<b>REVIEW OF PAST PERFORMANCE OF SCHEMES OF 2013-14 &amp; 2014-15</b>	28-68
<b>V.</b>	<b>FINANCIAL REVIEW</b>	69-75
	<ol style="list-style-type: none"> <li>1. <i>Total Requirement of Funds for 2015-16</i></li> <li>2. <i>Actual Expenditure - 2012-13 to 2014-15</i></li> <li>3. <i>Non-Plan Expenditure</i></li> <li>4. <i>Plan Expenditure</i></li> <li>5. <i>Brief on R&amp;D Scheme</i></li> <li>6. <i>Annual Plan Outlay for 2015-16 (BE)</i></li> <li>7. <i>Year-wise analysis of Gross Budgetary Support for 12<sup>th</sup> Plan</i></li> <li>8. <i>Plan Outlay and Actual Expenditure during 2014-15</i></li> <li>9. <i>Status of Outstanding Utilisation Certificates</i></li> </ol>	<p style="margin: 0;">69</p> <p style="margin: 0;">69</p> <p style="margin: 0;">70</p> <p style="margin: 0;">70-71</p> <p style="margin: 0;">71</p> <p style="margin: 0;">72-73</p> <p style="margin: 0;">74</p> <p style="margin: 0;">75</p> <p style="margin: 0;">75</p>



## **EXECUTIVE SUMMARY**

The Outcome Budget of the Ministry of Steel highlights the Ministry's specific role and objectives, its programmes, projects, schemes and activities undertaken to realise these objectives and the outcome of various major schemes/programmes implemented by the Ministry and its Public Sector Undertakings (PSUs). The document also highlights the physical and financial targets, achievements for previous years and also the projections in the year 2015-16.

**Chapter - I** gives a brief introductory note on organisational set up and the objectives of the Ministry of Steel, the broad programme classification and agencies engaged in their implementation.

**Chapter - II** gives the break-up of outlays and outcomes/ targets in respect of major schemes and projects implemented by the PSUs under the Ministry. As the schemes/projects of the PSUs are too many and varied, and mostly related to their day to day operations, only major schemes with estimated/ sanctioned cost of Rs. 50 crore and above have been covered. For 2015-16, 40 such major Plan schemes have been included in the outcome budget statement. Out of 40 Plan schemes, Steel Authority of India Ltd. (12 schemes), Rashtriya Ispat Nigam Ltd. (21), MOIL Limited (02) and National Mineral Development Corporation Limited (NMDC Ltd.) (04) are implementing schemes with entire expenditure funded from their Internal & Extra Budgetary Resources (I&EBR) and 1 scheme by the Ministry of Steel for promotion of research and development in iron and steel sector with Plan budgetary support. The estimated/ sanctioned cost, outlay for 2015-16, processes/ timelines, risk factors, projected physical outputs and projected outcomes in respect of these 40 major schemes have been given in the statement.

**Chapter - III** details the reform measures and policy initiatives of the Ministry of Steel. This chapter also covers the important policy measures, which have been taken by the Government in the post-liberalisation era for the growth and development of the domestic iron and steel industry. An important policy initiative taken in this regard by the Ministry was the announcement of the National Steel Policy (NSP) in 2005. Process of drafting of new National Steel Policy to replace the existing National Steel Policy 2005 has been initiated for development of steel industry with the focus on achieving the targeted production of 300 mtpa of steel by 2025. The long-term objective of the NSP is to achieve a modern and efficient domestic steel industry of world standards, catering to diversified steel demand. The focus of the policy is to achieve global competitiveness not only in terms of cost, quality and product-mix but also in terms of global benchmarks

of efficiency and productivity. The major thrust areas where supportive measures/policies may need to be provided to make India globally competitive in the iron and steel sector have also been highlighted in this chapter.

**Chapter - IV** gives a review of the past performance of the Plan Schemes of the Ministry of Steel and the major schemes and projects with estimated/ sanctioned cost of Rs. 50 crore or more of the PSUs in terms of the projected outcomes/ targets indicated in the Outcome Budget of 2013-14 and 2014-15. The actual achievements vis-à-vis the intended outcome in respect of the 45 of major Plan schemes included in Outcome Budget 2013-14 and 39 of the 2014-15 have been highlighted.

**Chapter - V** gives break-up of the financial outlays and financial requirements of Ministry of Steel and the Public Sector Undertakings/ Organizations under its administrative control. As against budgetary provision (Gross) of Rs. 92.92 crore in Budget Estimates (BE) 2014-15 and Rs. 78.10 crore in Revised Estimates (RE) 2014-15, a provision of Rs. 88.13 crore has been provided in BE 2015-16 under Demand No. 95 for the Ministry of Steel. A provision of Rs. 13085.47 crore (I&EBR Rs. 13070.47 crore and Plan Gross Budgetary Support Rs. 15.00 crore) has been made in BE 2015-16. The overall trends in expenditure vis-à-vis BE/RE in 2014-15 and BE of financial year 2015-16 are covered in this chapter.

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## **CHAPTER - I**

### **INTRODUCTION**

#### **1. FUNCTIONS**

The main functions of the Ministry of Steel are:

- (a) Development of Steel Plants in Public and Private Sectors, the re-rolling industry and ferro-alloys.
- (b) Policy formulation regarding production, distribution, pricing of iron & steel and Ferro alloys.
- (c) Development of iron ore mines in the public sector and other ore mines like manganese ore, chrome ore, limestone and other minerals used in the iron and steel industry (but excluding mining lease or matters related thereto).
- (d) Providing a platform for interaction of all producers and consumers of steel in the country.
- (e) Identification of infrastructural and related facilities required by steel industry.
- (f) Overseeing the performance of 8 PSUs, their subsidiaries and one Special Purpose Vehicle (Joint Venture Company) called International Coal Ventures Pvt. Ltd. (ICVL).

#### **Ministry of Steel –facilitator for development of Steel Industry**

The Ministry of Steel is expected to play a crucial role in ensuring harmonious and integrated growth of the Steel Sector. Being a core sector, its sustained growth is a prerequisite for attaining the high level of Gross Domestic Product (GDP) growth. The industry has strong forward and backward linkages with other sectors of the economy and, therefore, its own growth pattern is also influenced by other sectors of the economy specially infrastructure development, real estate, auto mobiles/auto components etc. The environment in which the domestic steel sector operates calls for a greater promotional role by the Ministry of Steel specially as a facilitator to remove sectoral bottlenecks/constraints like availability of raw materials, development of infrastructure and also interaction with other concerned Ministries/Departments of the Government for appropriate policy formulation and implementation.

#### **2. ORGANISATION**

The Ministry of Steel is headed by Union Minister of Steel and one Minister of State duly assisted by a Secretary to the Government of India, an Addl. Secretary and Financial Adviser, three Joint Secretaries, one Economic Adviser, a Chief Controller of Accounts, seven Directors, two Deputy Secretaries and other officers and supporting staff. For dealing with technical aspects relating to the iron and steel industry, there is a separate Technical Wing.

Prior to deregulation of the sector, Ministry of Steel had an attached office viz. the Office of the Development Commissioner for Iron & Steel (DCI&S), located at Kolkata. Based on the recommendations of the Expenditure Reforms Commission, an administrative decision was taken to close the four Regional Offices of DCI&S with effect from 23.5.2003.

There is no statutory or autonomous body under the administrative control of Ministry of Steel.

### 3. **PUBLIC SECTOR UNDERTAKINGS**

Ministry of Steel has the following Public Sector Undertakings under its administrative control:

- I. Steel Authority of India Limited, (SAIL), New Delhi
- II. Rashtriya Ispat Nigam Limited, (RINL), Visakhapatnam
- III. NMDC Limited, Hyderabad
- IV. MOIL Ltd., Nagpur
- V. KIOCL Ltd., Bangalore
- VI. Hindustan Steelworks Construction Limited (HSCL), Kolkata
- VII. MECON, Ranchi
- VIII. MSTC, Kolkata

(I) **Steel Authority of India Limited (SAIL)** : (Registered office at Ispat Bhavan, Lodi Road, New Delhi – 110003) has the following Units under its overall control:

- 
- a) Bokaro Steel Plant, Bokaro (Jharkhand)
  - b) Bhilai Steel Plant, Bhilai (Chattisgarh)
  - c) Durgapur Steel Plant, Durgapur (West Bengal)
  - d) Rourkela Steel Plant, Rourkela (Orissa)
  - e) Alloy Steel Plant, Durgapur (West Bengal)
  - f) Salem Steel Plant, Salem (Tamilnadu)
  - g) IISCO Steel Plant, Burnpur
  - h) Visvesvaraya Iron & Steel Plant, Bhadravati (Karnataka)
  - i) Central Marketing Organisation, Kolkata (West Bengal)
  - j) Research and Development Centre for Iron & Steel, Ranchi (Jharkhand)
  - k) Raw Materials Division, Kolkata (West Bengal)
  - l) Centre for Engineering & Technology, Ranchi (Jharkhand), and
  - m) Corporate Office, New Delhi
  - n) SAIL refractory unit
  - o) Chandrapur Ferro Alloy Plant

In addition, SAIL has incorporated a new subsidiary company, namely ‘SAIL Refractory Co. Ltd.’ (SRCL) for absorbing Salem Refractory Unit of M/s. Burn Standard Co. Ltd.

SAIL is in the process of enhancing its hot metal production capacity from the level of 13.82 million tonnes per annum to 23.46 million tonnes under its current phase of expansion and modernization which is expected to be completed by financial year 2015-16. It has further plans to take up its capacity to 50 million tonnes by 2025.

(II) **Rashtriya Ispat Nigam Ltd. (RINL)**: (Registered Office at 'A' Block, Visakhapatnam - 530 031), is the first shore based Integrated Steel Plant set up in India. The company is a port based integrated Steel Plant commissioned in 1992 with capacity of 3 Million Tonnes Liquid Steel per annum. The plant has been built to match international

standards with state -of-the-art technology, incorporating extensive energy saving and pollution control measures. The company has drawn its Corporate Plan aiming to reach 20 Million tonnes by 2032-33 in phases, and has completed its first phase of expansion of liquid steel production to 6.3 Million tonnes from 3.0 Million tonnes. The entire cost of the project would be met from the internal resources and borrowings and there would be no budgetary support from the Government.

As approved by Government, the three operational companies under the erstwhile Bird Group of Companies, namely Eastern Investments Ltd. (EIL), Bisra Stone Lime Company Ltd. (BSLC) and Orissa Minerals Development Company (OMDC) have become Public Sector Undertaking with effect from 19.03.2010 and are subsidiaries of RINL.

- (III) **NMDC Ltd.:** The company was established on 15<sup>th</sup> November, 1958 as a Public Sector Undertaking and is the single largest producer of iron ore and diamonds in the country and is engaged in exploration, development and exploitation of various other minerals such as Dolomite, Lime stone, Magnesite etc. NMDC's large mechanized Iron ore mines are being operated at Bailadila Iron ore Mines, Kirandul Complex which operates Dep-14 & Dep-11C mines, Bacheli Complex which operates Dep-5 & Dep-10&11A mines in Chattisgarh state and Donimalai Iron ore Mines in Karnataka state. NMDC has got India's only mechanized Diamond mine at Panna, Madhya Pradesh. NMDC is contemplating a major expansion to meet the demand of Iron ore. Deposit-11B mine at Kirandul, Bailadila and Kumaraswamy Mine at Donimalai in Karnataka are the projects in progress.

NMDC plans to produce 34 MTPA iron ore production by 2014-15, 75 MTPA by 2018-19 and 100 MTPA by 2024-25. The company can produce about 78 MTPA from existing mines and it needs to produce more mines to enhance its production.

As a part of the Greenfield expansion/diversification programme, NMDC is setting up an Integrated Steel Plant of 3 MTPA capacity at Nagarnar. The project is estimated to cost about Rs. 15525 crore.

The Company is also setting up a Pellet Plant at Donimalai with an estimated cost of Rs. 572 crore which is expected to be commissioned in June' 2015.

NMDC has diversified its activities in the field of renewable energy by setting up Wind Mill in Karnataka and is exploring the possibilities in solar energy. NMDC has planned to expand its business through horizontal integration in the field of Coal, Rock Phosphate, Lime stone, Gold and Diamond.

The Company has 78.56% shareholding in Legacy Iron Limited, an ASX listed entity based in Perth, Australia. Legacy has 60% interest in Mt. Bevan Iron Ore Project from Hawthorn Resources Ltd. in Western Australia.

NMDC has also signed an MoU with Railways for doubling of 150 kms of railway line from Kirandul to Jagdalpur, Chhattisgarh to create an additional capacity of evacuation upto 12 mt / annum.

(IV) **MOIL Ltd** : The company which was formed in 1962 (Registered office at MOIL Bhavan, 1A, Katol Road, Nagpur – 440013) is the largest domestic producer of high grade manganese ore, a basic raw material for manufacturing of Ferro-Alloys – an essential input for steel making – and dioxide ore for manufacturing dry batteries. With the increase in the domestic demand for high grade manganese and dioxide ores, the Company embarked upon various capital schemes for development and modernization of its mines and increasing of its mines and increasing the production capacity from 1.1 Million Tons to 2.0 Million Tons by 2020-21. To improve business volume and profitability, MOIL diversified its activities into manufacture of value added products during 90's. As part of diversification, the company set up a project for manufacture of Electrolytic Manganese Dioxide in the year 1991 and a Ferro Manganese Plant of 10000 MT capacity at Balaghat in Madhya Pradesh during the year 1998. Further, the company also has Wind Power Electricity Generation capacity of 20 MW at Nagda hills in Madhya Pradesh.

Considering the necessity for expanding the operation of company, MOIL has also entered into joint ventures with SAIL and RINL for setting up Ferro Alloys manufacturing unit mainly to cater the Ferro alloys requirement of these companies. Total cost of this project as per initial estimates is around at Rs. 600 crore and MOIL's share of investment is estimated to be around Rs. 150 crore. In view of increase in cost of power, an essential ingredient for manufacturing of ferro alloys, possibilities of sourcing power at cheaper rates are being explored to go ahead with the implementation of the project.

(V) **KIOCL.**, (Registered office at 11 Block, Koramangala, Bangalore – 560 034), a fully owned Government Company was established in 1976 as a 100% Export Oriented Unit (EOU) with mining operations at Kudremukh. In 1980, a beneficiation plant at Kudremukh was established with a capacity of 7.50 mtpa iron ore. In 1987, a Pellet Plant at Mangalore was set up with a capacity of 3 mtpa which was subsequently increased to 3.5 mtpa. In 2001 Pig Iron Plant at Mangalore was set up under a JV namely KISCO which has since been merged with KIOCL w.e.f. 1.4.2007. The Blast Furnace Operation was stopped w.e.f. 5.8.2009 due to economically unviable conditions. The mining activity at KIOCL Ltd. was stopped as per the Hon'ble Supreme Court Verdict w.e.f. 1.1.2006. At present KIOCL is mainly operating the pellet plant at Mangalore by sourcing Iron Ore from the market.

(VI) **Hindustan Steelworks Construction Limited (HSCL)**: Hindustan Steelworks Construction Limited (HSCL) is one of the major construction agencies in the Public Sector established in 1964 under the administrative control of Ministry of Steel. The mandate for its incorporation was to mobilize indigenous capability for putting up integrated steel plants in the country. The organization rose to the occasion and successfully met the challenge by bringing together competent human resources and mobilizing a fleet of updated construction equipment. HSCL has diversified its activities. As an example, in the construction of rural roads, the Company has a proud privilege of participating in the Bharat Nirman Programme of Govt. of India in the North Eastern State of Tripura under PMGSY, HSCL has been working as a Project Implementation Unit there with the responsibility starting from preparation of DPR to the maintenance of the roads for five years after construction. The Company has been engaged in implementation of 1073 Km of rural roads under PMGSY in the State of Tripura and

2543 Km in Jharkhand. The value of work under PMGSY is Rs. 2100 crore at present, which is likely to increase with a considerable number of DPRs awaiting approval of NRRDA.

(VII) **MECON Limited** : (Registered office at MECON Building, P.O. Hinoo, Ranchi – 834002) is the first consultancy and engineering organisation in the country to be accredited with ISO:9001-2008 and registered with the World Bank, Asian Development Bank, European Bank of Reconstruction and Development, African Development Bank (AFDB) and United Nations Industrial Development Organisation. The company is one of the leading multi disciplinary design, engineering, consultancy and contracting organization in the field of Metal, Power, Oil & Gas and infrastructure sectors. The company's mission is to provide technical consultancy-design and engineering, design and supply of plant, equipment and systems, implementation of new industrial ventures from concept to commissioning.

Presently MECON is involved in almost all the mega steel projects in India both in public and private sectors. The Company is also deeply entrenched in other fields of diversification being Power, Oil & Gas and Infrastructure and is involved in large number of assignments in public and private sectors.

MECON has also spread its wings in International market providing quality design, engineering & consultancy services for about 130 projects in different countries like Indonesia, Qatar, Saudi Arabia, Oman, UAE, Vietnam, USA etc. MECON has an overseas office in Nigeria to effectively cater to the opportunities in African states.

(VIII) **MSTC Limited**: (Registered Office at 225 C, A.J.C. Bose Road, Kolkata – 700 020) is a trading concern previously designated as the canalising agency of the Government for import of carbon steel melting scrap for distribution to mini-steel plants. Its Head Office is located at Kolkata. The company lost its status as a canalising agency with effect from February, 1992, and is now operating in a totally free and competitive environment like any other private trader. The company undertakes trading activities, e-commerce, disposal of ferrous and non-ferrous scrap and surplus stores mostly from Public Sector Undertakings and Govt. Departments, including Ministry of Defence. MSTC is the Holding Company of Ferro Scrap Nigam Ltd. (FSNL) whose 100% paid up equity shares are held by MSTC.

#### 4. **RESEARCH & DEVELOPMENT (R&D) IN IRON & STEEL SECTOR**

R&D in Indian Steel Sector is carried out mainly by major steel plants and some of the national laboratories like National Metallurgical Laboratory (NML) Jamshedpur & Institute of Minerals and Materials Technology (IMMT), Bhubaneswar. The R&D projects mainly comprise short term initiatives for solving day to day problems faced by the Industry with minimum emphasis on development of innovative/ disruptive technologies. Consequently, investment in R&D is very low @ 0.15-0.30% of the turnover of the steel companies, as against 1-2% in the reputed steel companies abroad. To increase the R&D expenditure in R&D, Ministry of Steel is pursuing 2 schemes with financial assistance from plan fund and Steel Development Fund.

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## **CHAPTER – II**

### **OUTCOME BUDGET FOR 2015-16 OF MAJOR SCHEMES**

The concept of Outcome Budget was introduced in 2005-06 by the Government with the objective of improving the quality of development programmes by making their conceptualization, design and implementation 'outcome' oriented. It is based on the premise that 'outlays do not necessarily mean outcomes'. The intention of outcome budgeting is to track not only the intermediate physical 'outputs' that are more readily measurable, but also the 'outcomes' which are the end objectives of State intervention. This requires strong project/ programme formulation, appraisal capabilities, as well as effective delivery systems. The development outcomes need to be defined in measurable terms, with benchmarking of unit cost of delivery, making the entire exercise monitorable. This also requires better utilization of physical assets and manpower, and steps to improve project management and programme implementation, including effective monitoring. Outcome Budget is, therefore, an effort to put in place a mechanism to measure the development outcomes of all major programmes.

In the 11<sup>th</sup> Plan (2007-12), a new scheme for "promotion of Research & Development in Iron and Steel sector" was included with a budgetary provision of Rs. 118.00 crore for promotion of research & development in the domestic iron and steel sector. The scheme has been continued in the 12<sup>th</sup> Five Year Plan with a budgetary provision of Rs. 200 crore. Under the scheme, a total of ten (10) R&D projects have been approved. Total cumulative amount of Rs 34.63 crore has been released under the scheme upto December, 2014 during 12<sup>th</sup> Five Year Plan.

In BE 2015-16, which is the fourth year of 12<sup>th</sup> Five Year Plan (2012-17) Rs. 15.00 crore has been earmarked for the scheme. For new component i.e. Development of Technology for Cold Rolled Grain Oriented (CRGO) Steel Sheets and other value added innovative steel products a budgetary provision of Rs. 1.00 crore has been provided and budgetary provision of Rs. 14.00 crore has been provided for new projects under the existing scheme.

The PSUs under the administrative control of the Ministry formulate and implement various schemes/ programmes related to their respective area of operations. The schemes of the PSUs are components of their respective Annual or long term plans. Since each PSU has several schemes, most of which are related to the normal day to day functioning as well as MOU linked operations of the company, it would be difficult to cover all schemes of the PSUs in the Outcome Budget. A view was, therefore, taken that only projects with sanctioned/estimated cost of more than Rs.50.00 crore will be covered as given in the following table.

**Statement of Outlays and Outcomes/Targets (2015-16)**  
**(Schemes with estimated/sanctioned cost more than Rs.50.00 crore)**

No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost	Approved outlay 2015-16			Quantifiable/ Physical Outcomes	Projected Outcomes	Processes/ Timelines		Remarks/ Risk Factors
				Budget Support	Non-Plan Budget	I&EBR			Original	Actual/Now scheduled	
1	2	3	4	5(i)	5(ii)	5(iii)	6	7	8	9	10
<b>A. SCHEMES WITH ESTIMATED/SANCTIONED COST MORE THAN RS. 50.00 CRORE</b>											
<b>1. STEEL AUTHORITY OF INDIA LTD. (SAIL)</b>											
<b>(a) Bhilai Steel Plant (BSP)</b>											
(i)	Cold Repair of COB-9	To meet the shortfall in coke demand, as well as stabilizing coke oven gas balance and to reduce emission level	332.65	--	--	100.00	Improved production & achieve latest pollution norms of Ministry of Environment and Forests.	Will ensure sustainable operation of the plant	Aug'14	Jun'15	<ul style="list-style-type: none"> <li>Delay in design engineering by M/s Mecon</li> <li>Shortage of refractory bricks for Battery Proper</li> </ul>
(ii)	Expansion of BSP	Increase production of hot metal & crude steel through state-of-the-art technology; Phasing out of low yield and energy intensive units, Reduction of semis by enhancing steel production; Broadening and value addition in product-mix for higher flexibility and profitability; Meeting requirement of Indian Railways	17266.00	--	--	2286.72	Increase in HM capacity from 4.08 Mtpa to 7.5 Mtpa	Once the facility is commissioned the overall increase of the production capacity will increase by 2 .7 MTPA --	Mar'13	Sep'15 (1 converter two caster)	<p>The SMS-III Package got affected as the initial contract for civil work package with M/s Ratna Infra had to be terminated due to slow progress of work and fresh contract awarded to M/s HSCL in Feb'11 at risk &amp; cost of M/s Ratna Infra. Subsequently contract with M/s HSCL also had to be terminated due to poor progress &amp; order for balance civil works has been placed on M/s Simplex at risk &amp; cost of M/s HSCL. The equipment erection package also had to be re-tendered since sufficient erection fronts could not be handed over within contractual completion period. Fresh contract awarded to M/s Essar Projects.</p> <p>The slow progress of work by HEC (installation of cranes for both equipment erection and subsequent material handling during production) &amp; HSCL (civil &amp; structural work) affected the progress in BRM &amp; URM.</p> <p>Poor performance of M/s EPI (OHP Part-B and Fuel &amp; Flux Crushing &amp; Screening Facilities) considerably in the area of design-engineering, manpower &amp; resource deployment &amp; co-ordination supervision adversely affected the work.</p>

No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost	Approved outlay 2015-16			Quantifiable/ Deliverables/ Physical Outcomes	Projected Outcomes	Processes/ Timelines		Remarks/ Risk Factors
				Non-Plan Budget	Budget Support	I&EBR			Original	Actual/Now scheduled	
1	2	3	4	5(i)	5(ii)	5(iii)	6	7	8	9	10
(b)	Durgapur Steel Plant (DSP)										
(i)	Expansion of DSP	Phasing out of energy intensive units, introduction of energy efficient technology, reduction of semis & increase of hot metal capacity	2875.00	--	--	564.00	Increase of hot metal capacity from 2.09 to 2.45 Mtpa	Energy saving as well as efficiency in production	Dec'12	Mar'15	For MSM, the progress of civil work was affected due to increase in the scope of work for piling by around 180%, since MECON had earlier considered piles for building structures only and the piles required for machine foundation were not considered. This also affected the structural erection work. Also, the work got affected due to poor performance of civil contractor M/s Jain Infra. Fresh order placed on M/s Bridge & Roof (B&R) in Feb'13. Further, delay in supply of priority cranes by M/s HEC is effecting erection of equipment.  For Bloom cum Round Caster, work was affected due to poor performance of civil contractor M/s Jain Infra. Risk Purchase Notice (RPN) issued to the party. Fresh order placed on M/s Bridge & Roof in Oct'12. Also, there had been delay in starting Enabling package of Diversion of gas lines and underground cables, also they could not be done in one go and had been temporarily done to give clear front to the civil contractor for completing the civil works of the area of main package contractor. Also, poor performance of M/s MICCO in water supply package.
(ii)	Rebuilding of COB-5	To meet the shortfall in coke demand as well as stabilizing coke oven gas balance and to reduce emission level	313.05	--	--	50.00	Improved production & achieve latest pollution norms	Will ensure sustainable operation of the plant	Jun'15	Jun'15	--



No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost	Approved outlay 2015-16			Quantifiable Deliverables/ Physical Outcomes	Projected Outcomes	Processes/ Timelines		Remarks/ Risk Factors
				Non-Plan Budget	Budget Support	I&EBR			Original	Actual/Now scheduled	
1	2 Rourkela Steel Plant (RSP)	3	4	5(i)	5(ii)	5(iii)	6	7	8	9	10
(c)											
(i)	Rebuilding of COB-3	To meet the coke requirement for hot metal production of 4.5 Mtpa and to reduce emission levels	237.09	--	--	70.00	Improve production & achieve latest pollution norms of MOEF	Will increase sustainable operation of the plant	Jan'15	August'15	<ul style="list-style-type: none"> <li>Issues related to quality of silica bricks</li> <li>Slow progress of refractory erection by BEC</li> <li>Delay in supply of oven machines by BEC</li> </ul>
(ii)	Installation of heat treatment facilities	To meet the increasing requirement of quenched & tempered plates for Defence and other sectors of strategic importance	160.48	--	--	11.00	Additional production of 12000t	Value addition of the finished product.	Sep' 14	Jun'15	<ul style="list-style-type: none"> <li>Poor performance of the contractors: <ul style="list-style-type: none"> <li>CAN Engg. in Design &amp; Engg.</li> <li>Empire Ind. Eqpt. &amp; Reliable High-Tech in equipment supply.</li> </ul> </li> </ul>
(iii)	Up-gradation of BF-1	With increase in furnace working volume, BF productivity and hot metal production will increase. Up-gradation will also reduce coke rate.	779.41	--	--	200.00			April'16	April'16	--
(d)											
(i)	Expansion of BSL	Enhancing Hot metal production Introduction of energy efficient technology, conversion of higher quantities of Hot Rolled coils to value added Cold Rolled products with the installation of additional Cold Rolling Capacity.	6325.00	--	--	499.00	New Cold Rolling Mill complex of 1.2 MTPA & enhancing Hotmetal production from 4.59 to 5.77 MTPA	Increase in the availability of the value added cold Rolled products	Dec' 11	May'15	<ul style="list-style-type: none"> <li>All major facilities like the upgraded BF No.2, Coke Oven batteries No.1&amp;2 and new 1.2 MTPA Cold Rolling Mill have been commissioned..</li> <li>Main reasons for delay are : <ul style="list-style-type: none"> <li>Co-ordination problems of main contractors with consortium partners and sub-contractors.</li> <li>Delay in approval of drawings by the consultant, MECON</li> </ul> </li> <li>Commissioning of Hot Strip Mill is related to availability of shutdown.</li> </ul>

No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost	Approved outlay 2015-16			Quantifiable Deliverables/ Physical Outcomes	Projected Outcomes	Processes/ Timelines		Remarks/ Risk Factors
				Budget Support	I&EBR				Original	Actual/Now scheduled	
				Non-Plan Budget	Plan Budget						
1	2	3	4	5(i)	5(ii)	5(iii)	6	7	8	9	10
(ii)	Re-building of COB-7	To meet the coke demand & CO gas shortage and to comply with latest statutory emission norms	245.67	--	--	98.00	Improve production & achieve latest pollution norms of MOEF	Will ensure sustainable plant operation	May'16	May'16	<ul style="list-style-type: none"> <li>Design engg. and civil &amp; structural works are in progress.</li> <li>Supply and erection of Refractory is in progress.</li> <li>Fabrication of Oven Machines is in progress</li> </ul>
(e)	<b>Raw Materials Division</b>										
(i)	Enhancement of production capacity of Meghahatuburu Iron Ore Mine	A technical necessity to increase iron ore for meeting requirement after SAIL expansion.	118.85	--	--	10.00	capacity from 4.3 Mtpa to 6.50 Mtpa of finished product	Availability of continuous supply of the raw materials for steel plants	Jun'12	Oct'15	The work for the main package is suffering due to non-payment by M/s Tecpro to its sub-contractors. Even after continuous follow up and review at RMD and Corporate level, the progress could not improve. SAIL is supporting through direct payment to sub-contractors. Jobs going on slowly by infusion of cash flow by SAIL on cost recovery basis & direct payment.  Erection of Reclaimer is on hold as presence of M/s Elecon Engineering (supplier of Reclaimer) is required during erection who have refused for the same due to commercial issues with Tecpro.
(ii)	Enhancement of production capacity of Bolani Iron Ore Mine	A technical necessity to increase iron ore for meeting requirement after SAIL expansion.	254.55	--	--	42.00	capacity from 4.1 Mtpa to 10 Mtpa of finished product	Capacity from 4.1 Mtpa to 10 Mtpa finished product.	Nov' 13	June' 15	<ul style="list-style-type: none"> <li>Intermittent closure of Mines due to Environmental &amp; Forest clearances and Lease Renewal has affected the site work. (The mine was closed 5 times, totalling 294 days during the period Feb'12 to May'14 on account of these issues)</li> <li>Poor performance of the contractors</li> </ul>
(f)	<b>Chandrapur Ferroalloy Plant</b>										
(i)	Installation of 1x45 MVA submerged arc Furnace	Additional production of HCFeMn & HCSiMn	187.33	--	--	25.00	Additional production of 37500 t of HCFeMn & 35000 t of HCSiMn or 60,000t of HCSiMn on standalone basis.		Oct'13	August '15	Start of Civil work was affected due to delay in environmental clearance from MOEF.  Further, civil & structural work was delayed due to poor resource mobilization at site and non-payment to sub-contractors by

No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost	Approved outlay 2015-16			Quantifiable Deliverables/ Physical Outcomes	Projected Outcomes	Processes/ Timelines		Remarks/ Risk Factors
				Budget Support	I&EBR				Original	Actual/Now scheduled	
				Non-Plan Budget	Plan Budget						
1	2	3	4	5(i)	5(ii)	5(iii)	6	7	8	9	10
											main contractor, M/s Tecpro who failed to adhere to any of its commitments and stopped work at site. RP action taken and Fresh order placed on M/s HSCL.
2.	<b>RASHTRIYA ISPAT NIGAM LTD. (RINL)</b>										
(i)	Expansion to 6.3 mtpa Liquid Steel	To increase the plant capacity	12291.00	--	--	250.00	Enhancing production of liquid steel to 6.3 mtpa of liquid steel	Enhancing production of liquid steel to 6.3 mtpa of liquid steel	Almost completed and balance units is being worked out.		Stage -1 unit commissioned and under stabilization except Lime Kiln Plant where schedule for Kiln 1&2 are expected to be commissioned by Apr & June 15. Stage- 2 unit consists of Special Bar Mill and Structural Mill, Earlier Stage - 2 unit was planned to be commissioned progressively by Dec' 14. However, due to damage during recent Cyclone HUDHUD the commissioning schedule got affected and are now planned to be commissioned by Mar' 15 & Apr'15.
(ii)	COB-4 (Ph-II)	To operate COB -4 as independent Battery and increase in recovery of by-product	355.30	--	--	20.00	Increase in recovery of by products	Increase in recovery of by products		Dec'14.	By - product plant - The unit was commissioned in Dec'14. Coal handling plant. The unit is likely to be commissioned by June' 15.
(iii)	Coke Oven Battery No. 5	To meet the coke requirements and gas balance for 6.3/7.3 mtpa stage, and to facilitate rebuilding of COBs # 1, 2&3 successively.	2858.00	--	--	50.00	To produce 0.82 mtpa of Gross Coke	Will ensure energy efficiency		29 months from award of main package.	Under various stage of tendering/ finalization.
(iv)	Power Plant -II	To meet the additional power requirement by utilizing the lean by product gases which otherwise would be flared to atmosphere.	677.00	--	--	40.00	To utilize the lean by-product gases which otherwise would be flared to atmosphere. This project is conceived with the sole insertion of reducing Green	To generate 120MW electricity by utilizing the lean by-product gases while mitigating the effect of climate change.		May'15	Due to impact of Hudhud rescheduled to May 2015.

No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost	Approved outlay 2015-16			Quantifiable/ Physical Outcomes	Projected Outcomes	Processes/ Timelines		Remarks/ Risk Factors
				Budget Support	I&EBR				Original	Actual/Now scheduled	
					Non-Plan Budget	Plan Budget					
1	2	3	4	5(i)	5(ii)	5(iii)	6	7	8	9	10
							House Gas (GHG) emissions into the atmosphere while meeting the power requirement of RINL to the extent of 120MW thereby mitigating the effects of climate change.				
(v)	Pulverised Coal Injection	Injection system for reduction in consumption of expensive BF coke with less expensive pulverised coal	133.00	--	--	6.00	Increased production of hot metal. To reduce cost of production of hot metal.	Increased production of hot metal. To reduce cost of production of hot metal.	Q 4 of 2014-15		72 hrs Integrated trial for BF-1 stream completed. PCI in BF-1 is scheduled for commissioning in the last quarter of 2014-15
(vi)	Facilities for Iron Ore Storage	To increase iron storage facility.	450.00	--	--	25.00	Shall increase iron ore storage facility to 30 days	Shall increase iron ore storage facility to 30 days	June '15		Under various stage of completion.
(vii)	Augmentation of Water Storage System	Construction of additional storage reservoir with capacity of 16 Mqrm. To meet the water requirement of expansion.	220.00	--	--	5.00	To increase water storage capacity by 16 Mqrm	To increase water storage capacity	--		Under various stage of tendering.
(viii)	Strengthening of 220 KV system of APTRANSCO	To strengthen AP power grid and internal system at VSP for transmission of power 400 MVA	86.34	--	--	18.00	To strengthen AP power grid for transmission of power of 400 MVA	To strengthen AP power grid for transmission of power.	--		Phase -I work completed. Modalities for establishment of 400/220 KV substation are under finalization.
(ix)	Augmentation of 220KV power system receiving 400MVA power	Strengthening the internal systems of VSP like substations etc. to enable to receive 400MVA power to meet the expansion needs.	58.10	--	--	3.00	Strengthening the internal systems of VSP like substations etc. to enable to receive 400MVA power to meet the expansion needs.	Strengthening the internal systems of VSP	--		Commissioned on August 2014, but technical issues cropped up during commissioning. Actions are initiated for carrying out the rectification works.
(x)	BF-1&2 Category Repairs	To carry out the capital repairs & enhance the volume to 3800 CuM from the existing 3200 CuM capacity.	1663.00	--	--	200.00	To increase the production by 0.5Mt from 2Mt to 2.5Mt of Hot Metal	To increase the production	BF-1 30 <sup>th</sup> July 2014 BF- 2 Q 4 of 2015-16		Blast furnace -1 Commissioned on 30th July 2014 and is regular operation Blast furnace -2 Under various stages of progress.





No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost	Approved outlay 2015-16			Quantifiable Deliverables/ Physical Outcomes	Projected Outcomes	Processes/ Timelines		Remarks/ Risk Factors
				Budget Support	I&EBR				Original	Actual/Now scheduled	
				Non-Plan Budget	Plan Budget						
1	Axle Plant	3	4	5(i)	5(ii)	5(iii)	6	7	8	9	10
(xix)	To set up the facility for manufacture of Axles and other related products at New West Bengal by forming a 100% subsidiary of RINL for the purpose.	391.00	--	--	5.00	Install suitable capacity of Axle and other related products Manufacturing unit at New Jalpaiguri, West Bengal by forming a 100% subsidiary of RINL for the purpose to meet the assured take off of 20,000 to 25000 numbers.	Install suitable capacity of Axle etc.	--			Final Draft Land Lease & Off-take Agreement has been sent to Railways on 08-01-2014. Following on request of Ministry of Railways dated 03.04.2014 further project report was sent on 27.05.2014 and discussions were held thereafter. Clearance is awaited from Railways for concluding the agreements. Tenders have already been issued for major technological package.
(xx)	Revamping of LMM walking beam furnace	186.00	--	--	5.00	To reduce the break-down/stabilization	To reduce breakdown	--			Tender for consultancy is under process.
(xxi)	Central Storage Yard	270.00	--	--	5.00	Increase capacity at a centralized storage location	Increase capacity	--			Consultant prepared alternative Rail Track layouts and are submitted to Railways.
<b>3.</b>	<b>NMDC Ltd.</b>										
(i)	Bailadila Deposit 11B	To increase the production of Iron Ore	607.18	--	--	5.00	Capacity of 7mtpa	Availability of iron ore will increase		Mar'15	Maoist activities in Dantewada, Bastar region have been impeding/disrupting the progress of construction activities. Fire incident caused by insurgents on 16 <sup>th</sup> Mar' 2014 damaging approx. 200 M length of Downhill conveyor (Belt; equipment & structures) which is under erection. Contractors and allied labour are not able to work in normal way due to the prevailing conditions.
(ii)	Kumaraswamy Iron Ore Project	To increase the production of iron ore	898.55	--	--	65.00	Capacity of 7mtpa	Additional iron ore will become available to the consumer.		August'2015	Poor Financial status of Down hill conveyor system Package Contractor (M/s Elecon) affected the progress of work.

No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost	Approved outlay 2015-16			Quantifiable Deliverables/ Physical Outcomes	Projected Outcomes	Processes/ Timelines		Remarks/ Risk Factors
				Budget Support	Non-Plan Budget	I&EBR			Original	Actual/Now scheduled	
1	2	3	4	5(i)	5(ii)	5(iii)	6	7	8	9	10
(iii)	Pellet Plant at Donimalai	To diversify into pellet production	572.00	--	--	40.00	Capacity of 1.2mtpa	Availability of pellet increase will	June 2015	June 2015	Financial constraints of Beneficiation Package Contractor resulted in delayed supplies & poor resource mobilization, which has affected the progress of work
(iv)	3 MTPA Steel Plant at Nagarnar	i) Ensure value addition to Iron ore mined in CG State. ii) Development of Bastar region inhabited mostly by tribals. iii) Partially meet the growing demand for steel products, primarily in the Indian market. iv) Investment of funds available for business growth.	15525.00	--	--	2450.00	Capacity of 3 mtpa	Steel availability will increase to cater the needs of the country.	December 2016	December 2016	Forest Clearance & Right of Way for laying water pipe lines from river Sabri to Steel Plant site at Nagarnar for operation water for the steel plant
<b>4.</b>	<b>MOIL Limited</b>										
(i)	Joint venture for Ferro Manganese / Silico Manganese Plant with SAIL	The project will be set up at Bhilai to produce Ferro/Silico Manganese to cater to the demand of Steel Authority of India Limited.	391.00	0.00	0.00	0.25	The project will be producing Ferro Manganese 31000 MT and Silico Manganese 75000 MT	The project will be producing Ferro Manganese 31000 MT and Silico Manganese 75000 MT	June '12	24 Months after placing order for furnace and auxiliaries	The investments have been delayed due to:- (a) Getting higher offers for furnace package initially, leading to decision to refloat the tenders for both the projects. (b) Change in requirement of ferro alloys of SAIL as well as RINL resulting in preparation of fresh TEFRs and (c) Increase rates of power all over India and shortage of power in Andhra Pradesh necessitating review of the projects.
(ii)	Joint Venture for Ferro Manganese/ Silico Managanese Plant with RINL	The project will be set up at Bobbili to produce Ferro/ Silico Manganese to cater to the demand of Rashtriya Ispat Nigam Limited	217.00	0.00	0.00	0.25	The project will be producing Ferro Manganese 20000 MT and Silico Manganese 37500 MT	The project will be producing Ferro Manganese 20000 MT and Silico Manganese 37500 MT	June '12	24 Months after placing order for furnace and auxiliaries	Possibilities of sourcing power (which is main ingredient for production of ferro alloys) at cheaper rates are being explored to go ahead with the implementation of the project.
	<b>Total (A)</b>		<b>70623.99</b>	<b>0.00</b>	<b>0.00</b>	<b>7863.22</b>					





No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost		Approved outlay 2015-16			Quantifiable Deliverables/ Physical Outcomes	Projected Outcomes	Processes/ Timelines		Remarks/ Risk Factors
			Original	Revised	Non-Plan Budget	Plan Budget	I&EBR			Original	Actual/Now scheduled	
1	2	3	4(i)	4(ii)	5(i)	5(ii)	5(iii)	6	7	8	9	10
1(ii)	(New Component )	Development of the technology for Cold Rolled Grain oriented (CRGO) steel sheets and other value added innovative steel products	150.00	150.00	--	1.00	--	Development of the technology for production of CRGO Steel Sheets and other value added Steel Products.	Same as in col.6	--	During 12th Plan. may Continue in 13th Plan.	projects are in progress which are likely to be completed in 2014-15 & 2015-16 6) No further funds are required for the Ongoing Projects as intimated by the Project Authorities. R&D Scheme has amended with the due approval of SFC and HSM in Nov. 2014, to include development of technology for Cold Rolled Grain Oriented (CRGO) Steel Sheets and other value added innovative steel products as an objective of the scheme. In BE 2015-16 an allocation of Rs. 16 Crore has been proposed for the CRGO project, as per the requirement submitted by the lead R&D Agency NML Jamshedpur.
1(iii)	New projects	1. Development of innovative/ path breaking technologies for utilisation of Indian iron ore fines and non-coking coal. 2. Improvement of quality of steel produced through Induction Furnace route. 3. Beneficiation of raw materials like iron ore, coal etc. and agglomeration (e. g. Pelletisation). 4. To pursue R&D on any other subject of national importance concerning the Iron & Steel Sector	2.00	17.13#	--	14.00		1) Production of low Phosphorus steel through Induction Furnace route using DRI as major ferruginous raw material - An Industrial Assessment. 2) Development of Automation System for Optimum Coal Blending at Coal Handling Plant o Coke Oven Batteries	Same as in col.6		During 12th Plan. Will be continued in 13th Plan being a continuous scheme.	R&D Scheme has amended with the due approval of SFC and HSM in Nov. 2014, to include R&D on any other subject of national importance concerning the iron & Steel Sector, as an objective of the scheme. For the new projects an allocation of Rs. 4 Crore is proposed for BE 2015-16.
	<b>TOTAL (B)</b>		200.00	200.00\$		15.00						

\* As no further expenditure is required for the ongoing projects, it is proposed to reduce the allocation from Rs. 48 crore to Rs. 32.87 crore in 12<sup>th</sup> Five Year Plan.

# It is proposed to increase the allocation for new projects from Rs. 2 crore to Rs. 17.13 crore in the 12<sup>th</sup> Five Year Plan.

\$ The overall allocation Rs. 200 crore for the R&D Scheme remain the same.



**CHAPTER - III****REFORM MEASURES AND POLICY INITIATIVES****1. LIBERALISATION OF THE INDIAN STEEL SECTOR**

The Indian steel sector was the first core sector to be completely freed from the licensing regime and pricing and distribution controls. This was done primarily because of the inherent strengths and capabilities demonstrated by the Indian iron and steel industry. The economic reforms and the consequent liberalization of the iron and steel sector which started in the early 1990s resulted in substantial growth in the steel industry and a number of green field steel plants were set up in the private sector.

India ranked as the fourth largest producer of crude steel in the world after China, Japan and the USA based on data released by the World Steel Association. Crude steel capacity expanded from 66.34 million tonnes per annum (MTPA) in 2008-09 to 101.02 MTPA in 2013-14. Indian crude steel production was 81.69 MT in 2013-14 as against 78.42 MT in 2012-13. India was also the third largest consumer of finished steel in the world, after China and USA in 2013 as per data released by the World Steel Association. The country has also been the largest sponge iron producer in the world since 2003. The steel sector contributed to nearly 2% GDP. India has turned into a net exporter of steel in 2013-14 for the first time since 2007-08. It directly provides employment to over 6 lakh people. The production for sale of total finished steel (alloy and non-alloy) during 2013-14 was 87.67 million tonnes, up by 7.3% over 2012-13 as per data released by Joint Plant Committee (JPC).

The important policy measures which have been taken over the years for the growth and development of the Indian iron and steel sector are as under:-

- (i) Pricing and distribution of steel were deregulated from January, 1992. At the same time, it was ensured that priority continued to be accorded for meeting the requirements of small-scale industries.
- (ii) The import regime for iron and steel has undergone major liberalization moving gradually from a controlled import by way of import licensing, foreign exchange release, canalization and high import tariffs to total freeing of iron and steel imports from licensing, canalization and lowering of import duty levels. Export of iron and steel items has also been freely allowed.
- (iii) Currently, the import duty on steel items is 7.5 per cent for flat steel (alloy and non-alloy) and at 5 per cent for all other items. The import duty on raw materials differs and is at 2.5 per cent for melting scrap, 2.5 per cent for both coking coal, metcoke and between 2 to 5 per cent for other raw materials such as Zinc, Iron Ore and Ferro Alloys.
- (iv) There is no export duty on any steel item. However, Government has imposed ad-valorem export duty of 30 per cent on all forms of iron ore and a 5 per cent export duty on iron ore pellets, in order to conserve the mineral for long term requirement

of the domestic steel industry. The Government has also reduced basic customs duty from 7.5 per cent to 2.5 per cent on plant and machinery imported for setting up or substantial expansion of iron ore pellet plants or iron ore beneficiation plants.

- (v) Excise duty for steel is currently at 12 per cent.
- (vi) A roadmap for Research & Development and Technology for Indian Iron and Steel Industries has been released by the Ministry of Steel with the aim to highlight the gaps in R&D and Steel Technology and sensitize the steel industry to draw suitable action plan/strategy to invest on R&D and technology upgradation programme.
- (vii) Inter Ministerial Group (IMG) meetings under the Chairmanship of Secretary (Steel) are being held regularly to sort out infrastructure constraints of steel industry and raw material issues. In addition, the Ministry is actively involved with the Project Monitoring Group (PMG) of the Cabinet Secretariat on fast tracking decision in respect of delayed steel projects.
- (viii) A National Steel Consumers' Council to facilitate regular interaction of producers and consumers and redress problems faced by consumers relating to supply/availability/pricing of steel products and other related issues had been set up in the Ministry of Steel, under the Chairmanship of the Hon'ble Steel Minister. The 24<sup>th</sup> meeting of Council was held on 3<sup>rd</sup> February 2014 in Lucknow.
- (ix) Ministry of Steel in association with Steel Industry organizes the "Steel Pavilion" at the India International Trade Fair held at Pragati Maidan, New Delhi, every year where items of iron and steel and mining sector are showcased to highlight the versatility and benefits of steel use.
- (x) The Government has issued the "Steel & Steel Products (Quality Control) Order" under the Bureau of Indian Standard Act 1986, to ensure that no manufacturer can manufacture, import, Store for sale or distribute steel and steel products which do not conform to the standards and which do not bear the standard mark (BIS or ISI mark).
- (xi) Following the completion of the all-India study by Joint Plant Committee (JPC) as commissioned by the Ministry of Steel to obtain a full picture of the pattern of domestic rural steel consumption, a Monitoring Committee has been constituted by the Ministry of Steel, Government of India Under the chairmanship of Joint Secretary to Government of India and comprising of representatives from public sector steel plants, Ministry of Steel, JPC and INSDAG to monitor the implementation of the various recommendations of the rural study report.
- (xii) Process of drafting of new National Steel Policy to replace the existing National Steel Policy 2005 has been initiated for development of steel industry for the focus on achieving the targetted production of 300 mtpa of steel by 2025.

## 2. MAJOR INITIATIVES TAKEN BY THE MINISTRY OF STEEL

To achieve the objectives of the National Steel Policy (NSP) 2005, Ministry of Steel has taken the following major initiatives:-

### (i) Mega Expansion Plans of SAIL, RINL & NMDC Ltd.

**SAIL:** Steel Authority of India Ltd has undertaken Modernization & Expansion of its integrated steel plants at Bhilai, Bokaro, Rourkela, Durgapur & Burnpur and special steel plant at Salem. In the current phase, the crude steel capacity is being enhanced from 12.8 Million tonne to 21.4 million tonne per annum. The indicative investment for current Phase is about Rs. 61,870 crore. Approximately Rs. 10,000 crore has been earmarked for modernization and expansion of SAIL Mines. The Expansion Plan of SAIL, besides capacity enhancement, adequately addresses the need of SAIL Plants towards eliminating technological obsolescence, energy savings, enriching product mix, pollution control, developing mines & collieries to meet higher requirement of key inputs, introduce customer centric processes and have matching infrastructure facilities in the Plant to support higher production volumes.

At Rourkela Steel Plant, all new facilities under the integrated process route of BF-BOF-Caster-Plate Mill are in operation and are operating at about 70% of the rated capacity. The installed crude steel capacity of the plant has increased from 1.9 Million tons per annum (Mtpa) to 4.2 Mtpa. At IISCO Steel Plant, all facilities under the integrated process route are in operation and are under stabilization and ramp-up. The installed crude steel capacity of the plant has increased from 0.50 Mtpa to 2.50 Mtpa. At Bokaro Steel Plant, all major facilities like the upgraded BF No. 2, Coke Oven batteries No. 1 & 2 and new 1.2 MTPA Cold Rolling Mill have been commissioned. At Bhilai Steel Plant, Ore Handling Plant Part-A, 2<sup>nd</sup> Sinter Machine in SP-3 and new Coke Oven Battery have been completed. At Durgapur Steel Plant, Rebuilding of Coke Oven Battery - 2 has been completed.

The balance facilities at Bhilai Steel Plant, Durgapur Steel Plant, and Bokaro Steel Plant are under various stages of implementation. Efforts are being put in to complete the balance facilities under current phase of Modernization & Expansion progressively by 2015.

**RINL:** RINL has undertaken major expansion plan to double its capacity to 6.3 Mtpa of Liquid Steel at an estimated cost of Rs. 12,291 crore. All major units of stage-I have been commissioned and are under regular operation. The balance unit under Stage-II i.e., Special Bar Mill and Structural Mill are planned for commissioning by March' 2015, and April, 2015 respectively.

**Modernization & Up-gradation:** For enhancing the liquid steel capacity to 7.3 Mtpa, up-gradation & modernization of existing Blast Furnaces, Converters and installation of 3<sup>rd</sup> Converter, 4<sup>th</sup> Caster in SMS - 2 are taken up. Category-I Capital Repairs and upgradation of Blast Furnaces-I was completed with blowing in of the Furnace of 30<sup>th</sup> July, 2014.

**NMDC Ltd:** NMDC plans to produce 34 MTPA iron ore production by 2014-15, 75 MTPA by 2018-19 and 100 MTPA by 2024-25. The company can produce about 78 MTPA from existing mines and it needs to procure more mines to enhance its production.

NMDC is setting up a green field integrated steel plant of 3 million tonne per annum capacity in Nagarnar, Chhattisgarh with an estimated cost of around Rs. 15,525 Crore.

NMDC is in the process of expanding its business through forward integration in both Greefilef and Brownfield projects by setting up (a) 1.2 mtpa Pellet Plant at Donimalai in Karnataka (b) 2 mtpa Pellet Plant at Nagarnar along with 10 mtpa Beneficiation Plant at Bailadila Complex interconnected by a Slurry Pipeline between Bacheli and Nagarnar in Chhattisgarh.

(ii) **Special Purpose Vehicle (SPV)**

A Special Purpose Vehicle (SPV) called International Coal Ventures Ltd (ICVL) has been incorporated as a Joint Venture Company on 20.5.2009 with SAIL, CIL, RINL, NMDC and NTPC as its promoter companies with an objective to acquire Coal assets in overseas territories to meet the coal requirement of its promoter companies. ICVL has been granted powers and the autonomy to function as a Navratna company but without formal Navratna status. ICVL is actively scouting for coal properties in target countries such as Australia, Canada, Indonesia, Mozambique and USA. It is also carrying out due diligence of Coal Mines and assets in the other target countries. It has recently acquired a coal mine and coal assets in Mozambique from Rio Tinto having coal resources of 2.6 Billion Tonnes.

(iii) **Mergers/Acquisitions and Strategic alliances/Joint Ventures**

To improve operational efficiency of steel units and to achieve synergy, a number of mergers/acquisitions/strategic alliance/Joint Ventures have either taken place or in various stages of negotiations. Details of which are as under:-

(A) **Mergers/Acquisitions**

- Ministry of Steel has taken up with Ministry of Commerce / Government of India for exploring possibility of acquiring majority stake in Neelachal Ispat Nigam Limited (NINL) in Jeypore, Odisha by SAIL. Such acquisition process will facilitate realization of full potential of NINL as a profitable integrated steel plant. It will help in enhancing SAIL's growth and market share, beside providing an access to a port based plant and captive iron ore deposits which could be gainfully utilized.

(B) **Strategic alliances/Joint Ventures**

- Revival of operation of SAIL SCL Kerala Ltd (SSKL), Kozhikode : The management of erstwhile Steel Complex Limited, a BIFR referred company was taken over by SAIL after its release from BIFR, in 2010, and converted into a JV company namely "SAIL-SCL Kerala Limited" with SAIL and Government of Kerala having equal shareholding. The JV Company has initiated the process for installing 65000 tpa TMT rolling mill in the premises and erection of the mill is in progress.
- SAIL is also in discussions with Industrial Development Corporation of Odisha Ltd. (IDCOL) for exploring the possibility of acquisition / JV with its wholly owned subsidiaries IFCAL (IDCOL Ferro Chrome Alloys Ltd.) and IKIWL (IDCOL Kalinga

Iron Works Ltd.). In pursuance to signing of MOU between the two companies, SAIL undertook valuation of assets, as well as prepared investment plan which would bring better utilization of land and resources of both the subsidiary companies of IDCOL. Based on detailed due-diligence visit, as well as series of discussions with IDCOL authorities, and approval by the SAIL Board, financial bid for acquisition of [100%] equity stake in IKIWL and [51%] equity stake in IFCAL was submitted in Aug'2013. Negotiations are ongoing with Inter Departmental Core Group (IDCG) of Govt. of Odisha.

- NMDC has signed an MoU with Indian Railways for doubling of the 150 km Jagdalpur-Kirandul section of the Kottavalsa-Kirnadul line of the East Coast Railways to augment the iron ore evacuation capacity.
- NMDC has signed MoU with RINL to develop Slurry Pipe Line system from Nagarnar to Vizag and Pellet Plant at Vizag. This will be under Joint Venture.
- RINL has a number of Strategic tie-ups for forward integration/ Business diversification. Various initiatives in this directions are as follows :
  - A Forged Wheel plant is being setup at Rae Bareli, up for production of wheels for High Speed Trains of Indian Railways
  - An Axle plant is being set-up for production of 50,000 axles per annum which is an import substitute item for Indian Railways
  - JV initiative with NMDC for laying 13 MTPA Iron ore Slurry pipe line from Nagarnar to Visakhapatnam and setting up of 6 MTPA pellet Plant at Visakhapatnam.

(iv) **Corporate Social Responsibility**

- Corporate Social Responsibility (CSR) is a concept whereby organizations serve the interests of society by taking responsibility for the impact of their activities on customers, employees, shareholders, communities and the environment in all aspects of their operations. Harnessing of natural resources has a direct impact on the economy, environment and society at large. CSR is thus linked with the practice of Sustainable Development.
- Department of Public Enterprises has issued new “Guidelines on Corporate Social Responsibility and Sustainability for Central Public Sector Enterprises” vide OM No. 15 (13)/2013-DPE (GM) Dated the 21<sup>st</sup> October, 2014.



- Various activities like constructions of schools, provisions of medical facilities, construction of roads drains, lighting of roads in villages, constructions of toilets in schools etc. are taken up by PSUs under this CSR activities.

### **BUDGET AND EXPENDITURE ON CSR BY STEEL PSUs**

(Rs. in lakhs)

PSU	2010-11		2011-12		2012-13		2013-14		2014-15 (upto Dec.14)	
	Budgeted	Exp.	Budgeted	Exp.	Budgeted	Exp.	Budgeted	Exp.	Budgeted	Exp.
<b>SAIL</b>	9400.00	6895.26	6400.00	6125.00	4200.00	5329.00	4000.00	6206.00	7800.00	1287.00
<b>RINL</b>	1540.00	1173.00	1200.00	1062.22	750.00	1600.00	750.00	2031.00	1423.00	1129.00
<b>NMDC</b>	8156.00	6223.00	8013.00	8671.00	14530.00	10110.00	17105.00	13142.00	25018.69	6397.48*
<b>MOIL</b>	542.00	575.00	628.00	655.91	680.00	1056.00	863.00	1036.00	1419.00	330.00
<b>KIOCL</b>	100.00	59.36	230.00	119.00	283.00	79.00	93.00	227.00	110.00	8.84
<b>MSTC</b>	100.00	95.74	150.00	166.00	355.00	193.28	260.00	482.86	120.00	57.75@
<b>FSNL</b>	10.00	9.06	9.00	9.06	9.00	9.00	4.00	4.50	25.27	3.50
<b>MECON</b>	180.50	110.91	325.00	220.51	497.49	235.33	460.46	257.63	468.76	183.63
<b>HSCL</b>	25.00	2.87	0.00	7.51	0.00	24.02#	0.00	0.00	0.00	0.00
<b>BGC</b>	216.00	83.00	38.00	26.00	17.00	48.00	64.32	92.27	36.35	24.10
<b>TOTAL</b>	<b>20269.50</b>	<b>15227.20</b>	<b>16993.00</b>	<b>17062.21</b>	<b>21321.49</b>	<b>18683.63</b>	<b>23599.78</b>	<b>23479.26</b>	<b>36421.07</b>	<b>9421.30</b>

@ upto February 2015

\* Nov. 2014

# spent from the carried over fund of last year.

#### (v) **Rural Distribution Network of Steel**

- SAIL has been expanding its' dealer network, with special focus on Rural Dealership Scheme, to widen reach of items of mass consumption. As on 1<sup>st</sup> January, 2015, SAIL's dealership network consists of 2877 dealers, including 1027 rural dealers. During April- December' 2014, 380 new dealers have been appointed out of which 207 are Rural dealers. SAIL Rural Dealership Scheme was introduced in 2011-12 with a view to expand it scope of business in rural areas at Block/Taluka level.
- Appointment of SAIL Dealers is a continuous process. Preference is accorded to applicants from SC, ST and OBC categories in appointment under SAIL Dealership Scheme, subject to their fulfilling eligibility criteria/ conditions, as prescribed for them. Dealership under SC/ST & OBC have been exempted from payment of security deposit while the dealers under general category are required to furnish a security deposit @ Rs. 500/-per tonne of agreed monthly off take.
- RINL makes efforts on continuous basis for promotion of steel usage through development and supplying of new products and improving Distribution Network for wider coverage.
- RINL has a Distribution Network consisting of 5 Regional Offices, 23 Branch Offices, 22 Stockyards and 6 Consignment Sales Agents. RINL has appointed 115 Retailers for supplying steel products in urban, semi-urban and rural areas.
- With a view to popularizing usage of steel in rural areas, RINL/VSP introduced the Scheme of registration of District Level Dealers in Small Towns and Rural Dealers at Block and Panchayat Level locations. The process of registration of Rural Dealers is continuous

and simple. Preference is given for the minorities and women entrepreneurs in the Rural Areas for the Rural Dealerships. Till the end of December 2014, RINL has 453 Rural Dealers spread across almost all the States and Union Territories in the country to supply steel products to the semi-urban and rural consumers. RINL has started Marketing Contact Offices at Ranchi, Raipur, Trichy, Allahabad, Panaji, Jammu, Siliguri and Vijayawada.

(vi) **Encouraging Research & Development in Iron & Steel Sector**

Research & Development (R&D) in Iron & Steel sector is carried out mainly by the Steel Plants, Research Laboratories and Academic Institutions. Annually, about Rs. 300 crore is invested in R&D activities by the Iron & Steel and allied companies which is hardly 0.15% to 0.30% of the turnover. The R&D investment in Indian steel companies is roughly 1/10<sup>th</sup> of the investment made by leading steel companies abroad. There is a need for maximizing the use of indigenous raw materials, improvement in techno-economic parameters, reduction in energy consumption & CO<sub>2</sub> emission and to develop new steel product. The focus of the Ministry's R&D promotion efforts, therefore, primarily cover the following areas:

- (a) Initiatives for accelerated adoption/assimilation of new technologies for Iron & Steel making, specially technologies consistent with our domestic resource endowment.
- (b) Developing domestic capabilities in innovative /path breaking technologies utilising iron ore fines and non coking coal.
- (c) Beneficiation of raw materials like iron ore, coal etc. and agglomeration.
- (d) Improved quality of products through induction furnace route,
- (e) Indigenous development of value added steel products like CRGO steel.

In order to provide accelerated thrust on R&D, Ministry of Steel has published 'A Roadmap for Research & Development and Technology for Indian Iron & Steel Industry' in Sept 2011 with an aim to sensitize the Indian steel industry to improve its technological face through R&D and technology intervention. Further, the Ministry is pursuing the following major initiatives for promoting R&D in Iron & Steel Sector.

(a) **R&D with Steel Development Fund**

Under this scheme, the Empowered Committee on R&D under the Chairmanship of Secretary (Steel) has so far approved 83 research projects costing Rs. 696.27 crore including SDF component of Rs. 389.63 crore of these 47 projects have been completed. Research results of several R&D projects have already been implemented by the steel plants, resulting in improvement in productivity, reduction in energy consumption and pollution etc.

(b) **R&D with Plan Fund:**

Under this Scheme, the Project Approval and Monitoring Committee under the Chairmanship of Secretary (Steel) has so far approved 10 R&D projects with a total cost of Rs. 138.10 crore with financial assistance of Rs. 95.66 crore from Plan Fund. So far 5

projects have been completed wherein processes / technologies have been developed in laboratory/ pilot scale for beneficiation & agglomeration of iron ore & coal for the benefit of the iron & steel sector. Process has also been developed in laboratory scale for production of low Phosphorus steel in laboratory scale Induction Furnace, for which industrial trials are being carried out.

(c) **Steel Research & Technology Mission of India.**

To spearhead R&D in the Iron & Steel sector in the country. Ministry of Steel is facilitating setting up of an Industry led institutional mechanism, namely, the Steel Research & Technology Mission of India (SRTMI). SRTMI is proposed to be funded by Ministry of Steel and Indian Steel Industry.

(vii) **Mandatory Quality Control Order on Selected Steel Products**

Ministry of Steel notified 16 steel products having direct bearing on human health & safety, and which are critical to infrastructure through Steel & Steel Products (Quality Control) orders. Order fully enforces on all the 15 products categories with effect from 1<sup>st</sup> October, 2014 (one product has been omitted). This is expected to go a long way in making available quality steel to consumers for critical end use applications. The Order also empowers Public to take legal course against supply of sub standard steel products.

(viii) **Gender Budgeting**

For empowerment of women, a Gender Budget Cell has been set up in the Ministry as per directions of the Ministry of Finance and Ministry of Women & Child Development with the aim to initiate steps for implementation of gender budgeting concept in the Ministry.

3. **NEW NATIONAL STEEL POLICY**

Steel industry is basically driven by changes in domestic and global market trends. This meant that most of the objectives and targets included in the National Steel Policy (NSP) 2005 needed to be reassessed/revaluated in the light of changing market conditions. Therefore, it has been decided to formulate a New National Steel Policy. The new policy, while retaining the core structure of National Steel Policy 2005, will aim for much broader policy formulation covering various aspects of steel sector in the country such as growth of steel demand in India, raw materials, resources and design, environment and facilitation of new steel projects. As precursor to the new policy documents Long Term Perspective of the Iron and Steel Sector has been prepared for finalization.

A High Level Committee on Manufacturing (HLCM) headed by the Prime Minister has set a target of 300 million tones Steel Production by 2025. This is a very ambitious target and with a view to achieve the same, SAIL and RINL are preparing plans for their second phase of modernization / expansion. Further, efforts are being made to facilitate setting up of large scale steel plants in the mineral rich states of Odisha, Jharkhand, Karnataka and Chhattisgarh. This would be done by having partnerships between SAIL, RINL and NMDC and State Government PSUs for setting up Special Purpose Vehicles (SPVs) which would be responsible for developing such projects.

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## **CHAPTER – IV**

### **REVIEW OF PAST PERFORMANCE OF SCHEMES OF 2013-14 & 2014-15**

In the 11<sup>th</sup> Plan (2007-12), a new scheme named 'Scheme for promotion of Research & Development in Iron and Steel Sector' was included with a budgetary provision of Rs. 118.00 crore. The scheme was formally approved for implementation on 23.1.2009. The scheme has been continued in the 12<sup>th</sup> Five Year Plan (2012-17) with an allocation of Rs. 200 crore. Upto December, 2014, ten (10) R&D project proposals have been approved.

The allocation of Rs. 200 crore for 12<sup>th</sup> FY Plan included Rs. 32.87 crore for the ongoing projects, Rs. 150 crore for the 'Development of Technology for Cold Rolled Grain Oriented (CRGO) steel sheets and other value added innovative steel products' (new component), and Rs. 17.13 crore for new projects to be pursued under the existing objectives of the scheme. In BE 2014-15, Rs. 20.00 crore were allocated, which has been reduced to Rs. 7.00 crore in RE 2014-15.

The PSUs under the administrative control of the Ministry formulate and implement various schemes/ programmes related to their respective areas of operation. The Plan schemes of the PSUs are components of their respective Annual Plans or Five Year Plans or of both, depending on the nature of the scheme. Since each PSU has several Plan schemes, most of which are related to the normal day to day functioning and operations of the company, it was felt that inclusion of all schemes of the PSUs in the Outcome Budget of Ministry of Steel would neither be practical nor commensurate with the objectives of outcome budgeting. A view was, therefore, taken that only major Plan and Non-Plan schemes with sanctioned/estimated cost of more than Rs. 50.00 crore are included in the Outcome Budget of Ministry of Steel. Based on this criterion, the actual achievements vis-à-vis the intended outcome in respect of the 45 of major Plan schemes included in Outcome Budget 2013-14 and 39 of the 2014-15 are given in the following tables. Achievements under the plan schemes of the Ministry are also given in the table. It may be noted that since almost all the major schemes are still under various stages of implementation, a more meaningful and realistic assessment of the actual achievements is possible only upon completion of the schemes.

## Review of past performance of schemes during, 2013-14

No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost	Approved Outlay 2013-14		Quantifiable Deliverables/ Projected Outcomes	Projected Timeline		Actual Expenditure		Achievements w.r.t projected Outcomes in Col.7	Remarks/Risk factors
				BE	RE		Original	Now Anticipated	For Apr'13-Mar'14	Cumulative upto Mar'14		
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>A. SCHEMES WITH ESTIMATED/SANCTIONED COST MORE THAN 50.00 CRORE</b>												
<b>1. STEEL AUTHORITY OF INDIA LTD. (SAIL)</b>												
<b>(a) Bhilai Steel Plant (BSP)</b>												
(i)	Cold Repair of COB-9	To meet the shortfall in coke demand as well as stabilizing coke oven gas balance and to reduce emission level	359.78 (332.65)	137.00	65.62	Improved production & achieve latest pollution norms of MOEF	Jul'12/ Aug'14	Aug'14	59.99	102.39	Increase in coke availability	This project has been reviewed in 2014-15.
(ii)	Expansion of BSP	Increase in production of hot metal & crude steel through state-of-the-art technology; Phasing out of low yield and energy intensive units, reduction of semis by enhancing finished steel production; Broadening and value addition in product-mix for higher flexibility and profitability; Meeting requirement of Indian Railway.	18847.00 (17266.00)	5300.00	4460.00	Increase in HM capacity from 4.08 mtpa to 7.5 mtpa	Aug'10 progressively / Mar'13	Mar'15	3958.01	12491.86	Ore Handling Plant (OHP) A	This project has been reviewed in 2014-15.
<b>(b) Durgapur Steel Plant (DSP)</b>												
(i)	Expansion of DSP	Phasing out of energy intensive units, introduction of energy efficient technology, reduction of semis & increase of hot metal capacity	3164.00 (2875.00)	775.00	675.00	Increase of hot metal capacity from 2.09 to 2.45 Mtpa	Aug'10 (Progressive y)/Dec'12	Mar'15	631.42	2153.22	Barrel type reclaimers of RMHP Rebuilding of COB-2	This project has been reviewed in 2014-15.
<b>(c) Rourkela Steel Plant (RSP)</b>												
(i)	Coal Injection System in BF- 4	Technical necessity for reduction in coke rate and improvement of the furnace productivity.	70.71 (66.02)	10.25	5.00	Replacement of coke with pulverized coal on 1:1 basis. Coal injection rate in Blast Furnace at	Jan'07/ Oct'08	Jun'14	1.07	57.91	Sustainability plant operation	This project has been reviewed in 2014-15.

No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost	Approved Outlay 2013-14		Quantifiable Deliverables/ Projected Outcomes	Projected Timeline		Actual Expenditure		Achievement s w.r.t projected Outcomes in Col.7	Remarks/Risk factors
				BE	RE		Original	Now Anticipated	For Apr' 13- Mar'14	Cumulative upto Mar'14		
1	2	3	4	5	6	7	8	9	10	11	12	13
(ii)	Expansion of RSP	Increase in production of hot metal & crude steel through state-of-the-art technology; Improvement in quality of products; Production of more value-added products; Improvement in energy consumption & environment; and Reduction in cost of production	12922.00 (11812.00)	2050.00	2048.00	120 Kg/thm. Increase in hot metal capacity from 2.00 Mtpa to 4.5 Mtpa	Aug'10 (Progressively)/ Mar'13	Sep'14	1837.72	10870.17	Major Facilities completed : • Sinter Plant-3 • Ore Bedding & Blending Plant • Coke Oven Battery Complex • 3rd Slab Caster • Blast furnace-5 and its associated facilities Blast Furnace of 4060 m3 volume is the first Furnace completed and put into operation under ongoing Modernization and Expansion Plan of SAIL.	This project has been reviewed in 2014-15.
(iii)	Rebuilding of COB-3	To meet the coke requirement for hot metal production of 4.5 Mtpa and to reduce emission levels	258.53 (237.09)	45.00	47.65	Improve production & achieve latest pollution norms of MOEF	Jun'2012	Jan'15	29.05	31.93	Refectory erection has been started on 18.4.14	This project has been reviewed in 2014-15.
(iv)	Installation of heat treatment facilities	To meet the increasing requirement of quenched & tempered plates for Defence and other sectors of strategic importance	178.73 (160.48)	12.00	26.00	Additional production of 12000 tonne	Oct'12/ Sep'14	Sep'14	18.52	18.86	Increased availability of value added products	This project has been reviewed in 2014-15.

No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost	Approved Outlay 2013-14		Quantifiable Deliverables/ Projected Outcomes	Projected Timeline		Actual Expenditure		Achievements w.r.t projected Outcomes in Col.7	Remarks/Risk factors
				BE	RE		Original	Now Anticipated	For Apr' 13 Mar'14	Cumulative upto Mar'14		
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>(d) Bokaro Steel Plant (BSL)</b>												
(i)	Expansion of BSL	Enhancing Hot metal production of Introduction of energy efficient technology, conversion of higher quantities of Hot Rolled coils to value added Cold Rolled products with the installation of additional Cold Rolling Capacity.	6951.00 (6325.00)	1200.00	1020.00	New Cold Mill complex of 1.2 Mtpa & enhancing Hot metal production from 4.59 Mtpa to 5.77 Mtpa	May'10(P rogressiv ely)/ Dec'11	Sep'14	1121.42	4591.34	Acid regeneration plant, Coil Packaging Lines, Skin Pass Mill, Compressed Air station have been completed. For PLTCM, integrated trial run taken for reduction of HR Pickled coils through Tandem Cold Mill in Jul'13. Electrolytic Cleaning Lines and Bell Annealing Furnace have also been made ready. Cast House Slag Granulation Plant of Cast House no.6 of BF-3 and no.3 of BF-2 completed	This project has been reviewed in 2014-15.
<b>(e) IISCO Steel Plant</b>												
(i)	Expansion of ISP	To install a new stream of facilities to produce 2.7MTPA hot metal, 2.5MTPA crude steel & 2.37 MTPA saleable steel	17960.59 (16408.00)	1750.00	1432.00	2.91 Mtpa hot metal, 2.5 Mtpa crude steel & 2.37 Mtpa saleable steel.	Jun'08(P rogressiv ely)/ Dec'10	Sep'14	1307.32	15787.87	Major Facilities completed : • Raw Material Handling Complex • Coke Oven Battery • Complex along with CDCP & By product plant • Sinter Plant • Wire Rod Mill	This project has been reviewed in 2014-15.

No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost	Approved Outlay 2013-14		Quantifiable Deliverables / Projected Outcomes	Projected Timelines		Actual Expenditure		Achievements w.r.t projected Outcomes in Col.7	Remarks/Risk factors
				BE	RE		Original	Now Anticipated	For Apr' 13-Mar'14	Cumulative upto Mar'14		
1	2	3	4	5	6	7	8	9	10	11	12	13
											<ul style="list-style-type: none"> <li>New Blast Furnace &amp; Oxygen Plant are ready.</li> <li>First billet was cast in Billet Caster No.1.</li> </ul>	
(f)	<b>Raw Materials Division (RMD)</b>											
(i)	Enhancement of loading capacity of Bolani Iron Ore Mine	For enhancing loading capacity and modification of Railway line, overhead electrical work and signaling & telecommunication for full rake loading	124.88 (119.88)	15.00	20.50	--	Jun'08/Dec'09	Sept'13 (Completed)	1.96	99.30	Loading Conveyor (LC-3) Completed.	One line completed
(ii)	Enhancement of production capacity of Meghnathaburu Iron Ore Mine	A technical necessity to increase iron ore for meeting requirement after SAIL expansion.	125.78 (118.85)	31.00	25.83	capacity from 4.3 MTPA to 6.50 MTPA of finished product	Mar'10/June'12	Jun'14	7.85	65.37	Work for crushing and Loading section completed	This project has been reviewed in 2014-15.
(iii)	Enhancement of production capacity of Bolani Iron Ore Mine	A technical necessity to increase iron ore for meeting requirement after SAIL expansion.	275.28 (254.55)	93.00	58.13	capacity from 4.1 MTPA to 10 MTPA of finished product	Nov'11/Nov'13	Jun'14 (7.5 Mtpa) Jun'15 (10 Mtpa)	59.55	104.16	--	This project has been reviewed in 2014-15.
(g)	<b>Chandrapur Ferroalloy Plant (CFP)</b>											
(i)	Installation of 1x45 MVA sub-arc Furnace	The additional production of HCFeMn & HCSiMn	203.85 (187.33)	25.00	96.38	The additional production of HCFeMn & 35000 tonne of HCSiMn or 60,000 tonne of HCSiMn on standalone basis.	Dec'11/Oct'13	Balance jobs retendered at risk & cost	49.70	119.88		This project has been reviewed in 2014-15.



No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated / Sanctioned Cost	Approved Outlay 2013-14		Quantifiable Deliverables/ Projected Outcomes	Projected timeline		Actual Expenditure		Achievements w.r.t projected Outcomes in Col.7	Remarks/Risk factors
				BE	RE		Original	Now Anticipated	For Apr'13-Mar'14	Cumulative upto Mar'14		
1	2	3	4	5	6	7	8	9	10	11	12	13
2.	<b>RASHTRIYA ISPAT NIGAM LTD. (RINL)</b>											
	<b>Ongoing Schemes</b>											
(i)	AMR Schemes	To maintain good health of Plant		100.00	100.00	To meet the coke requirements and gas balance, it is essential to have a replacement battery to maintain hot metal & liquid steel production at current levels even during capital repairs of other three coke oven batteries	Continuous	--	194.20	--	---	--
(ii)	R&D Schemes	To enhance productivity / achieve cost reduction / Development of new products		15.00	15.00	Development on the existing technology, trouble shooting with technological solutions for operational activities through investigative studies, failure analysis and critical examinations of process parameters to reduce cost / enhance productivity	Continuous	--	50.27	--	Availability of new products	--
(iii)	Coke Oven Battery No.4 Phase-I	To operate COB-4 as independent Battery. Full utilisation of gas and enhancing better realisation of byproduct by providing additional byproduct facilities and balance in coal handling.	355.00	35.00	35.00	To operate COB-4 as independent Battery. Increase in recovery of by products	Coal Handling Side: June'08: By Product Side: Sept'08.	June'14 to Aug'14 progressive y	26.76	256.95	Pushing emission control system - Unit commissioned on 30th Apr'14. Coal handling Plant - Erection of Conveyor no. Y-25, 26 & 27 completed. Ammonium Sulphate Plant - Unit partly Commissioned and total unit commissioning by May'14. Benzol recovery & distillation Plant - Equipment erection	This project has been reviewed in 2014-15.

No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost	Approved Outlay 2013-14		Quantifiable Deliverables/ Projected Outcomes	Projected timeline		Actual Expenditure		Achievements w.r.t projected Outcomes in Col.7	Remarks/ Risk factors
				BE	RE		Original	Now Anticipated	For Apr'13-Mar'14	Cumulative upto Mar'14		
1	2	3	4	5	6	7	8	9	10	11	12	13
(iv)	Expansion to 6.3 Mtpa Liquid Steel	To increase the plant capacity	12291.00	600.00	600.00	Increase production. Enhancing production of liquid steel to 6.3Mtpa of Liquid Steel.	36/48 months in phases from 28-10-2005 Stage-I Oct' 08 Stage-II Oct' 09	Sep'14	556.64	10792.66	including piping completed. Erection of Instrumentation works are under advanced stage of completion. The unit is likely to be commissioned from June'14 to Aug'14 progressively. The 6.3 Mtpa Expansion Project of RINL is almost completed with the commissioning of all major units of Stage-1 except Lime Kiln Plant. Units Commissioned: ▪ Sinter Plant-3 commissioned in July'13. ▪ Converter-2 in Steel Melt Shop-2 commissioned in Oct'13. ▪ Caster-3 in Steel Melt Shop-2 commissioned in Nov' 13. ▪ 1st Line of WRM-2 commissioned in Jan'14 ▪ LF-2 in Steel Melt Shop-2 commissioned in Feb'14 ▪ Converter-1 in Steel Melt Shop-2 commissioned in Mar'14 ▪ 2nd Line of WRM-2 commissioned in Mar'14	This project has been reviewed in 2014-15.
(v)	Pulverised Coal Injection System for BF-1 & BF-2	Injection system for reduction in consumption of expensive BF	133.00	8.00	8.00	Increased production of hot metal. To reduce cost of	To be commissioned by.	Aug'14	3.57	101.04	All mechanical work completed. Experts for N2 compressors from China arrived on	This project has been reviewed in 2014-15.

No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost	Approved Outlay 2013-14		Projected timeline		Actual Expenditure		Achievements w.r.t projected Outcomes in Col.7	Remarks/Risk factors	
				BE	RE	Original	Now Anticipated	For Apr'13-Mar'14	Cumulative upto Mar'14			
1	2	3	4	5	6	7	8	9	10	11	12	13
		coke with less expensive pulverized coal				production of hot metal	Oct' 2007 as per the BOD approval				16/Apr/14 and one compressor on 25/Apr/14. Commissioning experts from China for commencement of testing and commissioning activities arrived. Injection on trial basis is planned to start in Aug'14.	
(vi)	Acquisition of iron ore Mine & coking coal mine	To achieve self-reliance for raw material and cost reduction	500.00	3.00	3.00	RINL/VSP does not have captive source for coking coal/iron ore and outlay included to acquire mines	Continuous	--	0.00	0.28	LOI dated 31-05-2013 has been received for one mine from Govt. of Rajasthan, for over an area of 945.85 Hectares in Bhilwara District of Rajasthan for a period of 30 years. The recommendation of Government of Rajasthan for allotment of another iron ore block of about 4,866 hectares at Jahajpur, Bhilwara dist. is under consideration of Ministry of Mines. Matter is being pursued.	This project has been reviewed in 2014-15.
(vii)	Facilities for Iron Ore Storage	To increase iron ore storage facility.	450.00	50.00	50.00	Shall increase iron ore storage facility to 30 days	Sep'09	Dec'14	74.09	309.45	Unloading system by HEC - Almost all mechanical equipment has been received for one Wagon Pusher and part supplies for another Wagon Pusher. Other packages - Major supplies and civil works completed. Equipment erection is in progress.	This project has been reviewed in 2014-15.

No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost	Approved Outlay 2013-14		Quantifiable Deliverables/ Projected Outcomes	Projected timeline		Actual Expenditure		Achievements w.r.t projected Outcomes in Col.7	Remarks/ Risk factors
				BE	RE		Original	Now Anticipated	For Apr'13-Mar'14	Cumulative upto Mar'14		
1	2	3	4	5	6	7	8	9	10	11	12	13
(viii)	Strengthening of 220KV system of APTRANSCO	To strengthen AP power grid for transmission of 400 MVA	86.34	5.00	5.00	It enables to enhance contracted demand of 400 MVA for RINL on expansion	Aug'09	--	0.31	63.33	Phase-I work completed. Modalities for establishment of 400/220 KV substation in line with revised proposal of AP Transco are under finalization	This project has been reviewed in 2014-15.
(ix)	BF-1&2Category Repairs	To carry out the Category-I capital repairs & enhance the volume to 3800 CuM from the existing 3200 CuM capacity.	1663.00	406.00	406.00	To increase the production by 0.5Mt from 2Mt to 2.5Mt of Hot Metal	BF-1: Nov'12 BF-2: July'15	BF-1: May'14 BF-2: July'15	314.77	356.15	BF-1: Erection in advance stage of completion and Commissioning expected by end of May 2014. BF-2: Detail engineering is in progress for completion of the capital repairs as per schedule by July'15.	This project has been reviewed in 2014-15.
(x)	Sinter Plant productivity enhancements	To increase the Production of Sinter to support the increase in the volume of BF. This is to meet the present pollution control norms	343.00	2.00	2.00	To increase the production from 5.5 Mt to 6.8 Mt of Sinter	Sep'16	Sep'16	0.03	1.01	Order for main package has been placed on 05.03.2014 with a completion and period of 28 months.	This project has been reviewed in 2014-15.
(xi)	SMS Converter Revamp	To improve the reliability of the 3 converters as the existing estimated life is almost over. This is to meet the present pollution control norms	404.16	25.00	25.00	Technological necessity to change the Converters	July'15	May'16	2.05	2.05	Major imported supplies have been ordered. Major Indigenous supplies have been ordered and Supplies commenced. Civil works are under progress.  Gas duct routing for secondary emission system finalised and drawings approved.	This project has been reviewed in 2014-15.

No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost	Approved Outlay 2013-14		Quantifiable Deliverables/ Projected Outcomes	Projected Timeline		Actual Expenditure		Achievements w.r.t projected Outcomes in Col.7	Remarks/Risk factors
				BE	RE		Original	Now Anticipated	For Apr' 13-Mar'14	Cumulative upto Mar'14		
1 (xii)	2 3 <sup>rd</sup> Converter and 4 <sup>th</sup> Caster	3 To convert additional Hot Metal generated (after category 1 repairs of the existing 2 Blast Furnaces) into steel by adding a 3 <sup>rd</sup> converter and 4 <sup>th</sup> caster.	4 974.76	5 2.00	6 2.00	7 To increase the production of steel by 0.97Mt	8 3 <sup>rd</sup> Converter: July'15 4 <sup>th</sup> Caster: June'16	9 3 <sup>rd</sup> Converter: July'15 4 <sup>th</sup> Caster: June'16	10 0.00	11 0.14	12 3 <sup>rd</sup> Converter Engineering activities are under progress. 4 <sup>th</sup> Caster: Order for main package has been placed on 27.02.2014.	13 This project has been reviewed in 2014-15.
(xiii)	20.6 MW Waste Heat Recovery Project on Sinter Straight line Cooler of Sinter Machine 1&2	To Generate 20.6MW power through waste heat recovery system on straight-line cooler of sinter machines 1 & 2 under Technology co-operation with New Energy and Industrial Technology development Organisation (NEDO), Japan under Green Aid Plan	96.00	10.00	10.00	To generate 20.6MW Electricity by capturing waste heat of sinter machines and without burning any fossil fuel.	Mar'12	Commissioned in Mar'14.	20.23	87.41	The unit commissioned on 19 <sup>th</sup> March'14	--
(xiv)	Power Plant-II	To utilise the lean by-product gases which otherwise would be flared to atmosphere. This project is conceived with the sole intention of reducing Green House Gase (GHG) emissions into the atmosphere while meeting the power requirement of RINL partially; thereby mitigating the effects of climate change.	677.00	150.00	150.00	To utilise the lean by-product gases which otherwise would be flared to atmosphere. This project is conceived with the sole intention of reducing Green House Gas (GHG) emissions into the atmosphere while meeting the power requirement of RINL partially; thereby mitigating the effects of climate	Sep'13	Sep'14	213.47	296.29	Hydro test of Boilers-1&2 completed. Major Civil & Structural works have been completed except part of TG building and part of compressor building which are under progress. TG Erection of equipment is in progress. The unit is planned to be commissioned by Sept'14.	This project has been reviewed in 2014-15.

No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost	Approved Outlay 2013-14		Quantifiable Deliverables/ Projected Outcomes	Projected Timeline		Actual Expenditure		Achievements w.r.t projected Outcomes in Col.7	Remarks/Risk factors
				BE	RE		Original	Now Anticipated	For Apr' 13- Mar'14	Cumulative upto Mar'14		
1	2	3	4	5	6	7	8	9	10	11	12	13
(xv)	Axle Plant	To set up the facility for manufacture of Axles and other related products at New Jalpaiguri, West Bengal, by forming a 100% subsidiary of RINL for the purpose.	391.00	20.00	20.00	change. To generate 120MW electricity by utilising the lean byproduct gases while mitigating the effect of climate change	As per RINL: 30 months As per Railway: 24 months Will be finalized as per delivery schedule of supplier	--	0.11	0.22	M/s MECON has been appointed as the consultant. Final Draft Land Lease & Off-take Agreement has been sent to Railways on 08.01.2014. Clearance is awaited from Railways for concluding the agreements. Tenders have already been issued for major technological packages, i.e. Forging line & Furnaces and Machining line. The offers are under scrutiny.	This project has been reviewed in 2014-15.
(xvi)	Installation of Addl. Steam Turbine Driven Blower TB-5 in TPP & BH	To install TB-5 as standby to cater the need in case TB-1,2,3 goes for modernisation and also can be used as standby for BF-4 in future.	280.52	1.00	1.00	To Install TB-5 to cater the need of cold Blast requirement of BF1 & BF2 in case existing TBs are under modernisation / maintenance	27 months from award of contract	Aug'16	0.00	0.00	Order for main package has been placed on 14.03.14	This project has been reviewed in 2014-15.
(xvii)	SLTM	To Utilise the additional liquid steel of 1 MT that will be produced after revamping/upgradation of existing BF's and Converters/Casters.	2512.00	5.00	5.00	To produce 4,00,000 TPA of Seamless Tubes in the size range of 5 1/2 " to 18" OD.	30 months from award of contract	2016-17	1.12	1.12	Tender has since been cancelled and as directed by Board, and action is being initiated to conduct a fresh market survey and Global EOI is issued to scout for probable JV partner	This project has been reviewed in 2014-15.

No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost	Approved Outlay 2013-14		Quantifiable Deliverables/ Projected Outcomes	Projected Timeline		Actual Expenditure		Achievements w.r.t projected Outcomes in Col.7	Remarks/Risk factors (Rs. in crore)
				BE	RE		Original	Now Anticipated	For Apr' 13- Mar'14	Cumulative upto Mar'14		
1 (xviii)	2 COB-5	3 To meet the coke requirements and gas balance for 6.3/7.3 MTPA stage, and to facilitate rebuilding of COBs # 1,2 & 3 successively.	4 2858.00	5 2.00	6 2.00	7 To produce 0.82 mtpa of Gross Coke.	8 42 Months from order placement including consultancy	9 2016-17	10 3.99	11 3.99	12 Tenders for major packages of COB-5 i.e. Battery Proper, Coke Dry Cooling Plant, Power generation unit and By-Product plant are under advanced stage of finalization.	13 This project has been reviewed in 2014-15.
3.	<b>KIOCL Ltd.</b>											
(i)	Coke Oven Plant	Setting up of a Coke Oven plant. This will improve availability of coke at a cheaper price.	452.00	10.00	--	--	--	--	--	--	KIOCL approved to set up of 3.0 lakh TPA capacity Coke Oven Battery along with 25MW Captive Power Plant at an estimated cost of Rs. 452.22 crores with a proposed investment plan of debt equity ratio of 1:2. The Ministry of Environment & forest granted the environmental clearance for the project and Karnataka State Pollution Control Board has given the consent for Establishment of the project. Matter has been taken up with M/s SAIL for possible joint venture in the best interest of both KIOCL & VISL unit of SAIL at Bhadravati. The matter is being pursued.	

No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost	Approved Outlay 2013-14		Quantifiable Deliverables/ Projected Outcomes	Projected timeline		Actual Expenditure		Achievements w.r.t projected Outcomes in Col.7	Remarks/Risk factors
				BE	RE		Original	Now Anticipated	For Apr'13-Mar'14	Cumulative upto Mar'14		
1	2	3	4	5	6	7	8	9	10	11	12	13
(ii)	Development of permanent railway siding at Mangalore	Since major portion of raw material is to be transported thro rail, proposal is to construct bulk material handling facilities for receipt of iron ore assignment to KIOCL for its Pellet Plant and Blast Furnace Unit	130.00	5.00	--	--	--	--	--	3.76	Detailed Project Report for the project has been prepared by M/s Konkarn Railway Corporation Ltd. 56 acres of land has already been acquired. Due to realignment of track and because of safety reasons, additional land is required. Efforts are being made to acquire those lands.	
(iii)	Construction of Bulk Material Handling facilities for receipt of iron ore by rail.		173.00	1.00	--	--	--	--	--	--		
(iv)	Development of Chicknayakanahli & other mines	At present the Company does not have captive mines to cater to its requirement of ore	200.00	2.00	--	--	--	--	--	--	The matter is being pursued with State Govt. to issue revised sketch for obtaining forest and other clearances.	
(v)	Development of Remanadurg Mines		900.00	1.00	--	--	--	--	--	--		
(vi)	Ductile Spun Pipe Plant		309.00	1.00	--	--	--	--	--	--		Setting up of 1.0 lakh TPA capacity DISP Plant at an estimated cost of Rs. 308.612 crores has been kept in abeyance.
(vii)	Eco-Town development at Kudremukh		100.00	1.00	--	--	--	--	--	--		The project has been kept in abeyance



No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost	Approved Outlay 2013-14		Quantifiable Deliverables/ Projected Outcomes	Projected timeline		Actual Expenditure		Achievements w.r.t projected Outcomes in Col.7	Remarks/Risk factors
				BE	RE		Original	Now Anticipated	For Apr'13-Mar'14	Cumulative upto Mar'14		
1	2	3	4	5	6	7	8	9	10	11	12	13
4.	<b>NMDC Ltd.</b>											
(i)	Bailadila Deposit 11B	To increase production of iron ore	607.18	60.00	40.00	Capacity of 7mtpa	Mar'12	Jan'15	20.49	369.57	Project is being executed through seven packages. MECON was appointed as EPCM Consultant. All packages have been ordered and works are in progress. Crushing Plant Package. Trial runs taken for Secondary Crusher, EOT Crane of SCH, Scalping screen. Apron feeder & Tipper conveyor is also erected. Civil structural & Electrical erection works in progress Downhill Conveyor System Package: Apron feeders, Electric hoists, EOT Crane in TH-2 erected, Conveyor 1120 & 1116 trial runs taken. All MCC Panels are charged. Conv. 1117 Belt laying and joining work is in progress. 600 mtrs belt laid out of 7000 mtrs. Water supply line works completed. Service centre civil & structural works are in progress.	This project has been reviewed in 2014-15.

No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost	Approved Outlay 2013-14		Quantifiable Deliverables/ Projected Outcomes	Projected timeline		Actual Expenditure		Achievements w.r.t projected Outcomes in Col.7	Remarks/Risk factors (Rs. in crore)
				BE	RE		Original	Now Anti-cipated	For Apr'13-Mar'14	Cumulative upto Mar'14		
1 (ii)	2 Kumataswamy Iron Ore Project	3 To increase production of iron ore	4 898.55	5 85.00	6 85.00	7 Capacity of 7 mtpa	8 May'13	9 Jan'15	10 100.51	11 291.82	12 Project is being executed in six packages. M/s Mecon appointed as EPCM consultant. The work has been awarded for Package-1 (Crushing and stacking section), Package-2 (Downhill conveying system), Package-3 (Electrical works) and Package 4 (Tele-communication) and Package-5 (Service centre facilities) and works are in progress. & Package 6 (Approach road) were retendered and bids finalization is in progress. Package-1: Civil works completed for Primary & Secondary crushers, Dumper platform, Mine office building. Other civil & structural works are in progress. Primary & secondary crusher & apron feeder erection completed. Auxiliary equipment erection in progress. Package-2: Design & Engineering is in advanced stage. Civil & structural works are in progress. Civil, Structural fabrication & erection works are in progress for Package 3 & 5	13 This project has been reviewed in 2014-15.

No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost	Approved Outlay 2013-14		Quantifiable Deliverables/ Projected Outcomes	Projected Timeline		Actual Expenditure		Achievements w.r.t projected Outcomes in Col.7	Remarks/Risk factors (Rs. in crore)
				BE	RE		Original	Now Anticipate d	For Apr' 13-Mar'14	Cumulative upto Mar'14		
1 (iii)	2 Pellet Plant at Donimalai	3 To diversify into pellet production	4 572.00	5 100.00	6 100.00	7 Capacity of 1.2 mtpa	8 Apr'13	9 Sep'14	10 111.35	11 379.62	12 M/s M.N. Dastur appointed as EPCM consultant. The project is being executed through six packages (Pelleetisation, Beneficiations, Site leveling, MRSS, Boundary wall & miscellaneous buildings and Mobile equipments). All packages have been ordered and woks are in progress. Pellet Package: Imported Supplies Completed & Major Indegeneous supplies received. Remaining supplies are in progress. Major civil works completed. Structural & Erection works are in progress. Critical equipment like Mixer, Cooler, Balling Discs, Kin, Chain, grate, Screens, Fans, Compressors, vertical roll mills etc. erection completed. Other equipment under erection progress. Refractory erection works in progress. Beneficiation Package: Major civil works completed Structural & erection works are in progress. Screens, Conveyor accessories,	13 This project has been reviewed in 2014-15.

No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost	Approved Outlay 2013-14		Quantifiable Deliverables/ Projected Outcomes	Projected timeline		Actual Expenditure		Achievements w.r.t projected Outcomes in Col.7	Remarks/Risk factors <i>(Rs. in crore)</i>
				BE	RE		Original	Now Anti-cipated	For Apr'13-Mar'14	Cumulative upto Mar'14		
1	2	3	4	5	6	7	8	9	10	11	12	13
(iv)	3 MTPA Steel Plant at Nagarnar	<p>i) Ensure value addition to Iron ore mined in CG State.</p> <p>ii) Development of Baster region inhabited mostly by tribals.</p> <p>iii) Partially meet the growing demand for steel products, primarily in the Indian market.</p> <p>iv) Investment of funds available for business growth.</p>	15525.00	1880.00	1990.00	Capacity of 3 mtpa	Sep'14	Oct'16	2049.92	4230.44	<p>Thickener &amp; Hydro cyclones received at site. Concentrate thickener, ball mills, Pressure Magnetic separators, dewatering cyclones, EOT crane erection completed.</p> <p>Mobile equipment i.e. Front end loaders order issued and staggered supplies are in progress.</p>	<p>This project has been reviewed in 2014-15.</p> <p>1) The total work of the Steel Plant is divided into 09 Major Packages, 27 Auxiliary Package, 16 Infrastructure packages, 11 enabling packages and 5 Package of Private Railway Siding for ease of tendering and execution. All the major Technological package are awarded and the work is progressing at full pace at site.</p> <p>2. Out of 27 Nos of Auxiliary Packages 03 Packages are awarded and Civil, Equipment erection work is progressing at site for Power blowing Station, one of the Major Auxiliary Package. Tenders floated for 09 Aux. Packages and out of which 05 are under tender evaluation. Technical specification is finalized for 8 Auxiliary Packages and</p>

No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost	Approved Outlay 2013-14		Quantifiable Deliverables/ Projected Outcomes	Projected Timeline		Actual Expenditure		Achievements w.r.t projected Outcomes in Col.7	Remarks /Risk factors
				BE	RE		Original	Now Anticipate d	For Apr' 13- Mar'14	Cumulative upto Mar'14		
1	2	3	4	5	6	7	8	9	10	11	12	13
											for auxiliary packages Technical specification is being finalized. 3) Out of 16 Nos. of Infra packages, tender enquiry issued for 02 packages and TS finalized for 05 packages. The technical specifications for balance packages are being finalized. 4) Out of 11 Nos. of Enabling packages 08 packages are awarded out of which five are completed. Technical specification is finalized for 01 package and for balance packages Technical specifications are being finalized. 5) Tender enquiry is issued for one of the 05 Railways Siding Packages and Technical Specification is being finalized for 3 remaining packages. One of the railway siding packages i.e. Road Over Bridge is to be executed by NHAI on deposit basis.	

No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost	Approved Outlay 2013-14		Quantifiable Deliverables / Projected Outcomes	Projected Timeline		Actual Expenditure		Achievements w.r.t projected Outcomes in Col.7	Remarks/Risk factors (Rs. in crore)
				BE	RE		Original	Now Anticipated	For Apr' 13-Mar'14	Cumulative upto Mar'14		
1	2	3	4	5	6	7	8	9	10	11	12	13
5.	<b>MOIL Ltd.</b>											
(i)	Joint Venture for Ferro Manganese/ Silico Manganese Plant with SAIL	The project will be set up at Bhilai to produce Ferro/Silico Manganese to cater to the demand of SAIL of India Limited	391.00	00.00	2.00	The project will be producing Ferro Manganese 31000 MT and Silico Mn. 75000 MT	June, 2012	Will be quantified after finalization of tender for furnace.	0.00	2.10	NA	The investment has not been materialized due to (a) getting higher offer for furnace package, leading to decision to refloat the tenders for both the projects and (b) increase in rates of power all over India and shortage of power in Andhra Pradesh, necessitating review of the projects to relocate Andhra Project in Chattisgarh.
(ii)	Joint Venture for Ferro Manganese/ Silico Manganese Plant with RINL	The project will be set up at Bobbili to produce Ferro/Silico Manganese to cater to the demand of Rashtriya Ispat Nigam Limited.	217.00	15.00	1.00	The project will be producing Ferro Mn. 20000 MT and Silico Mn. 37500 MT	June, 20 12	Will be quantified after finalization of tender for furnace.	0.00	7.85	NA	

No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost	Approved Outlay 2013-14		Quantifiable Deliverables/ Projected Outcomes	Projected timeline		Actual Expenditure For Apr'13-May'14	Cumulative upto May'14	Achievements w.r.t projected Outcomes in Col.7	Remarks/Risk factors
				BE	RE		Original	Now Anticipated				
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>B.</b>	<b>Scheme of Ministry of Steel</b>											
<b>1.</b>	Scheme for promotion of R&D in the Iron & Steel sector											
1(i)	Ongoing projects for Scheme for promotion of R&D in the Iron & Steel sector	Development of innovative/path breaking technologies for utilization of iron ore fines and non-coking coal. Beneficiation of raw materials like iron ore, coal etc., and agglomeration. Improvement in quality of steel produced through induction furnace route.	48.00	12.00	8.00	1) Improvement in sinter productivity through deep beneficiation and agglomeration technologies for rational utilization of low grade iron ores and fines. 2) Development of Alternate complementary Route of Iron/Steel making with reference to Indian raw material viz low grade iron ore and non coking coal. 3) Production of low Phosphorus Steel using DRI through Induction furnace route adopting innovative fluxes and/or design (refractory) changes. 4) Smelting reduction of iron ore/fines by hydrogen plasma and elimination of CO2 emission. 5) Beneficiation of Iron Ore slimes from Barsua and other mines in India. 6) Development of pilot scale pelletization technology for Indian Goethitic/hematite ore with varying degree of fineness. 7) CO2 abatement in Iron and Steel production by process optimisation. 8) Production of low ash (10% ash) coal (coking non coking) from high ash Indian coals including desulphurisation of high sulphur North East coal.	During 11 <sup>th</sup> Plan 2007-12	Scheme Continued in the 12 <sup>th</sup> Plan 2012-17	8.00	32.00	8 R & D projects were pursued under this Scheme. One project has been completed and 7 R&D Projects are in progress.	This project has been reviewed in 2014-15.

No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost	Approved Outlay 2013-14		Quantifiable Deliverables/ Projected Outcomes	Projected timeline		Actual Expenditure		Achievements w.r.t projected Outcomes in Col.7	Remarks/Risk factors
				BE	RE		Original	Now Anticipated	For Apr'13-Mar'14	Cumulative upto Mar'14		
1	2	3	4	5	6	7	8	9	10	11	12	13
1(ii)	(New Component under the existing scheme)	Development of Technology for Cold Rolled Oriented (CRGO) Steel Sheets and other value added innovative steel products	150.00	32.00	Nil	Development of Technology for Cold Rolled Grain Oriented (CRGO) Steel sheets and other value added innovative steel products	During 12 <sup>th</sup> Plan	During 12 <sup>th</sup> Plan. May Continue in 13 <sup>th</sup> Plan.	Nil	Nil	In-principal approval accorded by Planning Commission 17th July 2013.	This project has been reviewed in 2014-15.
1(iii)	(New Projects existing under Scheme)	Development of Innovative Iron/Steel making Process/Technology	2.00	2.00	Nil	Development of Innovative Iron/Steel making Process/Technology	During 12 <sup>th</sup> Plan	During 12 <sup>th</sup> Plan	Nil	Nil	Proposal for pursuing Phase-2 (Industrial Scale) of the completed project on Production of low Phosphorus Steel using DRI through Induction furnace route has been received from CSIR, NML Jamshedpur.	This project has been reviewed in 2014-15.

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**Actual achievement vis-à-vis projected outcome/targets 2014-15**

No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost	Approved Outlay 2014-15		Quantifiable Deliverables/ Projected Outcomes	Projected Timeline		Actual Expenditure		Achievements w.r.t projected Outcomes in Col.7	Remarks/Risk factors
				BE	RE		Original	Now Anticipated	For Apr-'14-Dec-'14	Cumulative upto Dec-'14		
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>A. SCHEMES WITH ESTIMATED/SANCTIONED COST MORE THAN 50.00 CRORE</b>												
<b>1. STEEL AUTHORITY OF INDIA LTD. (SAIL)</b>												
<b>(a) Bhilai Steel Plant (BSP)</b>												
(i)	Cold Repair of COB-9	To meet the shortfall in coke demand as well as stabilizing coke oven gas balance and to reduce emission level	359.78 (332.65)	100.00	60.00	Improved production & achieve latest pollution norms of MOEF	Aug'14	Jun'15	56.62	159.01		<ul style="list-style-type: none"> <li>Delay in design engineering by M/s Mecon</li> <li>Shortage of refractory bricks for Battery Proper</li> </ul>
(ii)	Expansion of BSP	Increase in production of hot metal & crude steel through state-of-the-art technology; Phasing out of low yield and energy intensive units, reduction of semis by enhancing finished steel production; Broadening and value addition in product-mix for higher flexibility and profitability; Meeting requirement of Indian Railway.	18847.00 (17266.00)	2960.00	1839.72	Increase in HM capacity from 4.08 mtpa to 7.5 mtpa	Mar'13	Sept.'15 (1 converter two caster)	1343.241	13835.10	<b>Major Facilities completed</b> <ul style="list-style-type: none"> <li>Ore Handling Plant (OHP)- A</li> <li>2nd Sinter Machine in SP-III</li> <li>1<sup>st</sup> Unit of Oxygen Plant (BOO basis)</li> <li>First Pushing done for COB-11 in Sep'14</li> </ul>	<p>The SMS-III Package got affected as the initial contract for civil work package with M/s Ratna Infra had to be terminated due to slow progress of work and fresh contract awarded to M/s HSCL in Feb'11 at risk &amp; cost of M/s Ratna Infra. Subsequently contract with M/s HSCL also had to be terminated due to poor progress &amp; order for balance civil works has been placed on M/s Simplex at risk &amp; cost of M/s HSCL. The equipment erection package also had to be re-tendered since sufficient erection fronts could not be handed over within contractual completion period. Fresh contract awarded to M/s Essar Projects.</p> <p>The slow progress of</p>

No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost	Approved Outlay 2014-15		Quantifiable/ Projected Outcomes	Projected Timeline		Actual Expenditure		Achievements w.r.t projected Outcomes in Col.7	Remarks/Risk factors
				BE	RE		Original	Now Anticipated	For Apr' 14- Dec.14	Cumulative upto Dec'14		
1	2	3	4	5	6	7	8	9	10	11	12	13
(iii)	Up-gradation of Stoves for BF-4	To achieve higher HBT to increase injection of auxiliary fuel injection, reduction of coke rate	75.95 (70.65)	10.00	20.00	To achieve 1200°C HBT	Dec'14	Linked to shut down	15.22	15.22		work by HEC & HSCL affected the progress in BRM& URM. Further, in case of BRM, reluctance of technology supplier (M/s Danieli) to start equipment erection in spite of adequate fronts being available. Erection started after continuous follow-up. Also, in case of URM, reluctance of technology supplier (M/s SMS Meer) to continue equipment erection in Mill proper in spite of adequate fronts being available. The erection has been resumed in April, 2014.  (Poor performance of M/s EPI (OHP Part-B and Fuel & Flux Crushing & Screening Facilities) considerably in the area of design-engineering, manpower & resource deployment & coordination supervision adversely affected the work.
(b)	<b>Durgapur Steel Plant (DSP)</b>											
(i)	Expansion of DSP	Phasing out of energy intensive units, introduction of	3164.00 (2875.00)	588.00	414.70	Increase of hot metal capacity from 2.09 to	Dec'12	Mar'15	302.15	2455.37	<b>Major Facilities</b>	For MSM, the progress of civil work

No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost	Approved Outlay 2014-15		Quantifiable/ Projected Outcomes	Projected Timeline		Actual Expenditure		Achievements w.r.t projected Outcomes in Col.7	Remarks/Risk factors (Rs. in crore)
				BE	RE		Original	Now Anticipated	For Apr' 14- Dec. 14	Cumulative upto Dec'14		
1	2	3 energy efficient technology, reduction of semis & increase of hot metal capacity	4	5	6	7 2.45 Mtpa	8	9	10	11	12	13 was affected due to increase in the scope of work for piling by contractor M/s Jain Infra. Fresh order placed on M/s Bridge & Roof (B&R) in Feb'13. Further, delay in supply of priority cranes by M/s HEC is effecting erection of equipment. For Bloom cum Round Caster, work was affected due to poor performance of civil contractor M/s Jain Infra. Risk Purchase Notice (RPN) issued to the party. Fresh order placed on M/s Bridge & Roof in Oct'12. Also, there had been delay in starting Enabling package of Diversion of the work. Risk Purchase Notice issued to the contractor and the balance work was retendered in March'12 by RSP on behalf of Sino Steel. However, due to high prices offered by only acceptable bidder M/s SEPC, the orders could not materialize. Consequently, M/s Sino Steel was allowed to take up the balance job and complete the project.
(ii)	Rebuilding of COB-5	To meet the shortfall in coke demand as well as stabilizing coke oven gas balance and to reduce emission level	339.35 (313.05)	125	102.39	Improved production & achieve latest pollution norms	Jun'15	Jun'15	76.43	160.41	--	--

No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost	Approved Outlay 2014-15		Quantifiable Deliverables/ Projected Outcomes		Projected Timeline		Actual Expenditure		Achievements w.r.t projected Outcomes in Col.7	Remarks/Risk factors
				BE	RE	Original	Now Anticipated	For Apr '14 - Dec.'14	Cumulative upto Dec.'14				
1	2	3	4	5	6	7	8	9	10	11	12	13	
<b>(c)</b>	<b>Bokaro Steel Plant (BSL)</b>												
(i)	Expansion of BSL	Enhancing Hot metal production of energy efficient technology, introduction of higher quantities of Hot Rolled coils to value added Cold Rolled products with the installation of additional Cold Rolling Capacity.	6951.00 (6325.00)	642.00	533.86	New Rolling complex of 1.2 Mtpa & enhancing Hot metal production from 4.59 Mtpa to 5.77 Mtpa	Dec.'11	May' 15	361.38	4952.72	Major Facilities completed • Rebuilding of COB No. 1 & 2 • Up gradation of BF No 2 • Under New Cold Rolling Mill Complex, Rolling	All major facilities like the upgraded BF No. 2, Coke Oven batteries No. 1&2 and new 1.2 MTPA Cold Rolling Mill have been commissioned. Main reasons for delay are • Co-ordination problems of main contractors with consortium partners and sub-contractors • Delay in approval drawing by the consultant, MECON commissioning of Hot Strip Mill is related to availability of shutdown gas lines and underground cables, also they could not be done in one go and had been temporarily done to give clear front to the civil contractor for completing the civil works of the area of main package contractor. Also, poor performance of M/s MICCO in water, supply package.	

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				BE	RE		Original	Now Anticipated	For Apr' 14- Dec.'14	Cumulative upto Dec.'14		
1	2	3	4	5	6	7	8	9	10	11	12	13
(ii)	Re-building of COB-7	To meet the coke demand & CO gas shortage and to comply with latest statutory emission norms.	265.50 (245.67)	--	48.00	Improve production & achieve latest pollution norms of MOEF	May'16	May'16	14.14	21.05	--	<ul style="list-style-type: none"> <li>Design engg. And civil &amp; structural works are in progress</li> <li>Supply and erection of Refractory is in progress.</li> </ul>
<b>(d.)</b>	<b>Rourkela Steel Plant</b>											
(i)	Coal Injection System in BF- 4	Technical necessity for reduction in coke rate and improvement of the furnace productivity.	70.71 (66.02)	2.46	6.25	Replacement of coke with pulverized coal on 1:1 basis. Coal injection rate in Blast Furnace at 120 Kg/thm.	Oct'08	Jan'15	0.36	58.27	All jobs including integrated cold trials completed. Hot trials to be started 1 August'14. <ul style="list-style-type: none"> <li>Cast House Slag Granulation Plant of Cast House No. 6 of BF-3 and No. 3 of BF-2 completed.</li> </ul>	Delay in design engineering, civil & structural works and supply of equipment by M/s Sino Steel China. Commercial disputes between Sino Steel & sub agencies affected
(iii)	Installation of heat treatment facilities	To meet the increasing requirement of quenched & tempered plates for Defence and other sectors of strategic importance	178.73 (160.48)	80.00	122.57	Additional production of 12000t	Sep'14	Jun'15	86.71	105.57		Poor performance of the contractors: <ul style="list-style-type: none"> <li>CAN Engg. in Design &amp; Engg.</li> <li>Empire Ind. Eqpt. &amp; Reliable High-Tech in equipment supply.</li> <li>Fabrication of Oven Machines is in progress.</li> </ul>

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1	2	3	4	5	6	7	8	9	10	11	12	13	
(iv)	Expansion of RSP	Increase in production of hot metal & crude steel through state-of-the-art technology; Improvement in quality of products; Production of more value-added products; Improvement in energy consumption & environment; and Reduction in cost of production	12922.00 (11812.00)	1789.68	1600.00	Increase in hot metal capacity from 2.00 Mtpa to 4.5 Mtpa	Mar'13	Dec'14	811.63	11681.80	Operating at about 70% of the rated capacity. The installed crude steel capacity of the plant has increased from 1.9 million tons per annum (Mtpa) to 4.2 Mtpa.	All new facilities under the integrated process route of BF-BOF-Caster-Plate Mill are in operation	
(v)	Rebuilding of COB-3	To meet the coke requirement for hot metal production of 4.5 Mtpa and to reduce emission levels	258.53 (237.09)	85.00	96.06	Improve production & achieve latest pollution norms of MOEF	Jan'15	Aug'15	87.82	119.75	--	<ul style="list-style-type: none"> <li>Issues related to quality of silica bricks</li> <li>Slow progress of refractory erection by BEC</li> <li>Delay in supply of oven machines by BEC</li> </ul>	
(e)	<b>ISCO Steel Plant</b>												
(i)	Expansion of ISP	To install a new stream of facilities to produce 2.7MTPA hot metal, 2.5MTPA crude steel & 2.37 MTPA saleable steel	17960.59 (16408.00)	1244.00	1178.94	2.91 Mtpa hot metal, 2.5 Mtpa crude steel & 2.37 Mtpa saleable steel.	Dec.'10	Dec.'14	853.01	16640.88	The facilities are under stabilisation and ramp-up. The installed crude steel capacity of the plant has increased from 0.50 Mtpa to 2.50 Mtpa	All facilities under the integrated process route are in operation	
(f)	<b>Raw Materials Division</b>												
(i)	Enhancement of production capacity of Meghahatuburu Iron Ore Mine	A technical necessity to increase iron ore requirement after SAIL expansion.	125.78 (118.85)	12.86	12.00	capacity from 4-3 Mtpa to 6.50 Mtpa of finished product	Jun'12	Oct'15	10.68	76.05	<ul style="list-style-type: none"> <li>Crushing Section</li> <li>Augmentation of power supply</li> <li>Upgradation</li> </ul>	The work for the main package is suffering due to non-payment by M/s Tecpro to its sub-contractors. Even after continuous	

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(ii)	Enhancement of production capacity of Bolani Iron Ore Mine	A technical necessity to increase iron ore for meeting requirement after SAIL expansion.	275.28 (254.55)	52.71	20.00	capacity from 4.1 Mtpa to 10 Mtpa of finished product	Nov'13	Jun'15	12.99	117.15	Modification of Dumping Platform, four Classifiers, Stacker & Bucket wheel Reclaimer has been completed.	<p>follow up and review at RMD and Corporate level, the progress could not improve. SAIL is supporting through direct payment to sub-contractors. Jobs going on slowly by infusion of cash</p> <p>flow by SAIL on cost recovery basis &amp; direct payment.</p> <p>Erection of Reclaimer is on hold as presence of M/s Elecon Engineer (supplier of Reclaimer) is required during erection who have refused for the same due to commercial issues with Tecpro.</p> <p>Intermittent closure of Mines due to Environmental &amp; Forest clearances and Lease Renewal has affected the site work. (The mine was closed 5 times, totalling 294 days during the period Feb'12 to May'14 on account of these issues)</p> <ul style="list-style-type: none"> <li>Poor performance of the contractors</li> </ul>

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1	2	3	4	5	6	7	8	9	10	11	12	13
(g)	<b>Chandrapur Ferro-alloy Plant</b>											
(i)	Installation of 1x45 MVA submerged arc Furnace	The additional production of HCFeMn & HCSiMn	203.85 (187.33)	23.00	45.00	The additional production of 37500 t of HCFeMn & 35000 t of HCSiMn or 60,000t of HCSiMn on standalone basis.	Oct'13	Aug'15	24.02	143.90		Start of Civil work was affected due to delay in environmental clearance from MOEF. Further, civil & structural work was delayed due to poor resource mobilization at site and non-payment to sub-contractors by main contractor, M/s Tecpro who failed to adhere to any of its commitments and stopped work at site. RP action taken and Fresh order placed on M/s HSCL.
<b>2.</b>	<b>RASHTRIYA ISPAT NIGAM LTD. (RINL)</b>											
<b>Ongoing Schemes</b>												
(i)	AMR Schemes	To maintain good health of Plant	100.00	60.00	60.00	To maintain good health of the equipment and to sustain current level of production / productivity in the context of the ageing of the plant	Continuou s	--	14.38	--	--	--
(ii)	R&D Schemes	To enhance productivity / cost reduction/Development of new products	--	15.00	15.00	Development on the existing technology, trouble shooting with technological solutions for operational activities through investigative studies, failure	Continuou s	--	20.32	--	--	--



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(iii)	Coke Oven Battery No. 4 Phase-II	To operate COB-4 as independent Battery and increase in recovery of by-product.	355.30	38.00	30.00	To operate COB- 4 as independent Battery. Increase in recovery of by products	Oct'2012	Dec.'2014	11.10	268.05	Complete By Product Plant commissioned in December' 2014. Coal Handling plant. The unit is likely to be commissioned by June 2015.	
(iv)	Expansion to 6.3 Mtpa Liquid Steel	To increase the plant capacity	12291.00	400.00	470.00	Increase production, enhancing production of liquid steel to 6.3 Mtpa of Liquid Steel.	36/48 months in phase from 28-10-2005 /June 2011	March' 2015/ April' 2015	322.37	11115.03	Stage-1 unit commissioned and under stabilization except Lime Kiln Plan where schedule for Kiln 1 & 2 are expected to be commissioned by April & June 2015. Earlier kiln 1 was lighted up in Nov. 2014. Due to bricks damage further commissioning activity stopped. Stage- 2 unit consists of Special Bar Mill and Structural Mill. Earlier stage- 2 unit was planned to be commissioned progressively by December, 2014. However, due to damage during recent cyclone HUDHUD the commissioning schedule got affected and are now planned to be commissioned by March' 2015 & April' 2015	

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(v)	Pulverised Coal Injection System for BF-1 & BF-2	Injection system for reduction in consumption of expensive BF coke with less expensive pulverized coal	133.00	15.00	15.00	Increased production of hot metal. To reduce cost of production of hot metal	Sep.'09	Q4 of 2014-15	1.17	102.21	72 hrs Integrated trial for BF-1 stream completed. The PCI in BF-1 will be commissioned in last quarter of 2014-15	--
(vi)	Acquisition of iron ore Mine & coking coal mine	To achieve self-reliance for raw material and cost reduction	500.00	20.00	30.00	RINL/VSP does not have captive source for coking coal/iron ore and outlay to included acquire mines	Continuous	--	0.00	0.28	RINL making all out efforts in acquisition of mines from the last few years. RINL has applied for 29 iron ore mining leases in various states of which, LOI has been received for one mine, from Govt. of Rajasthan, over an area of 945.85 Hectares. The Phase -I exploration of Barera Block by M/s MECL is in progress. As regards allotment of Jahazpur block in Bhilwara, Ministry of Mines, Govt. of India advised Govt. of Rajasthan to examine the case and consider notifying it. Rajasthan Govt. has requested GOI in favour of RINL.	

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1 (vii)	2 Facilities for Iron Ore Storage	3 To increase iron storage facility.	4 450.00	5 40.00	6 34.00	7 Shall increase iron ore storage facility to 30 days	8 May'12	9 June'15	10 33.18	11 342.63	12 Major erection of Conveyor & allied equipment and stock yard equipment are completed. Electrical works and cabling are under progress. Stacking stream commissioning likely to start in Feb'15. The unit is expected to be commissioned in June'15.	13
(viii)	Strengthening of 220KV system of APTRANSCO	To strengthen AP power grid for transmission of 400 MVA	86.34	5.00	5.00	It enables to enhance contracted demand of 400 MVA for RINL on expansion	Sept'12	Phase-I work completed	0.00	63.33	Phase-I work completed. Modalities for establishment of 400/220 KV substation in line with revised proposal of AP Transco are under finalization	--
(ix)	Augmentation of 220 KV system of APTRANSCO	Strengthening the internal systems of VSP like substations etc. to enable to receive 400MVA power to meet the expansions needs.	58.10	15.00	15.00	To augment to receive 400 MVA power at VSP	Aug'11	Schedule I being re-worked	9.25	43.76	Commissioned on Aug'14 but technical issues cropped up during commissioning . actions are initiated for carrying out the ratification works. Recommendations from the original equipment manufacture awaited.	
(x)	BF-1&2Category Repairs	To carry out the Category-I capital repairs & enhance the volume to 3800 CuM from the existing 3200 CuM capacity.	1663.00	350.00	200.00	To increase the production by 0.5Mt from 2Mt to 2.5Mt of Hot Metal	BF-1: Nov'12 BF-2: July'15	BF-1: July'14 BF-2: Otr 4 of 2015	197.73	553.88	Blast Furnace-I Commissioned on 30 <sup>th</sup> July, 2014 and is under regular operation Blast Furnace-II Order for main package has been placed and Design & Engineering is under progress. The furnace is planned to be taken for shut down in 4 <sup>th</sup> Quarter of 2015-16	--

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(xi)	Sinter Plant productivity enhancements	To increase the Production of Sinter to support the increase in the volume of BF. This is to meet the present pollution control norms	343.00	25.00	1.00	To increase the production from 5.5 Mt to 6.8 Mt of Sinter	Oct'16	Oct'16	2.51	3.52	Agreement has been concluded on 23.06.2014 for revamp of both the Sinter Machine progressively by Oct'16. Engineering is under progress.	--
(xii)	SMS Converter Revamp	To improve the reliability of the 3 converters as the existing estimated life is almost over. This is to meet the present pollution control norms	404.16	25.00	140.00	Technological change the Converters	July'15	Q. 4 of 2015-16 for Converter-1	100.95	103.00	Major imported supplies have been ordered. Major Indigenous supplies have been ordered and Supplies commenced. Civil works are under progress. The 1 <sup>st</sup> Converter revamping is planned to commence in 4 <sup>th</sup> quarter of 2015-16 along with BF-2 Cat-1 Capital repair.	--
(xiii)	3 <sup>rd</sup> Converter and 4 <sup>th</sup> Caster	To convert additional Hot Metal generated (after category 1 repairs of the existing 2 Blast Furnaces ) into steel by adding a 3rd converter and 4th caster.	974.76	150.00	100.00	To increase the production of steel by 0.97Mt	3 <sup>rd</sup> Converter: July'15 4 <sup>th</sup> Caster: Jul'16	3 <sup>rd</sup> Converter Q4 of 2015-16 4 <sup>th</sup> Caster: Jul'16	25.01	25.15	3rd Converter - The main package has already been ordered and balance related package are under finalization. Detailed Engineering is under progress and equipment supplies have commenced. The unit is expected for completion by 4 <sup>th</sup> Quarter of 2015-16. Agreement has been concluded on 02.06.201 for installation of Caster by July'16. Engineering in progress.	--

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1	2	3	4	5	6	7	8	9	10	11	12	13
(xiv)	Power Plant-II	To meet the additional power requirement by utilize the lean by product gasses which otherwise would be flared to atmosphere.	677.00	100.00	220.00	To utilise the lean by-product gases which otherwise would be flared to atmosphere. This project is conceived with the sole intention of reducing Green House Gas (GHG) emissions into the atmosphere while meeting the power requirement of RINL to the extent of 120 MW thereby mitigating the effects of climate change.	Sep'13	May'15	181.33	477.62	Due to the recent Hudhud Cyclone, the Unit is likely to be commissioned by May 2015.	--
(xv)	Axle Plant	To set up the facility for manufacture of Axles and other related products at New West Jalpaiguri, Bengal.	513.00	5.00	5.00	Install suitable capacity of Axle and other related Products Manufacturing unit at New Jalpaiguri, West Bengal.	40 months after agreement with Railways.	--	0.00	0.22	Final Draft Land Lease & Of- take Agreement has been sent to Railways on 08.01.2014, Clearance is awaited from Railways for concluding the agreement, Balance package are in various stage of work.	
(xvi)	Forged Plant	To set up the facility for manufacture of Forged wheels at Laiganj, Rae Bareli Up.	1177.00	70.00	70.00	To produce 100000 wheels for Railways	36 months from effective date of contract	--	6.19	6.19	Work for Soil Investigation is completed. External boundary wall for the Plant ara is almost completed. Work is under progress. Tendering in process.	

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				BE	RE	Original	Now Anticipated	For Apr' 14- Dec'14	Cumulative upto Dec'14				
1	2	3	4	5	6	7	8	9	10	11	12	13	
(xvii)	Installation of Addl. Steam Turbine Driven Blower TB-5 in TPP & BH	To install TB-5 as standby to cater the need in case TB-1,2,3 goes for modernisation and also can be used as standby for BF-4 in future.	280.52	50.00	25.00	To install TB-5 to cater the need of cold Blast requirement of BF1 & BF2 in case existing TBs are under modernisation / maintenance	Sep'16	Sep'16	0.00	0.00	The main package has since been ordered and scheduled for competition by Sept. 16. Engineering has commenced. Balance package under various stage of tendering.		
(xviii)	SLTM	To Utilise the additional liquid steel of 1 MT that will be produced after revamping/upgradation of existing BF's and Converters/Casters.	2512.00	10.00	1.00	To produce 4,00,000 TPA of Seamless Tubes in the size range of 5 1/2 " to 18" OD.	--	--	0.00	1.12	Under process.	--	
(xix)	COB-5	To meet the coke requirements and gas balance for 6.3/7.3MTPA stage.	2858.00	25.00	25.00	To produce 0.82 mtpa of Gross Coke.	29 months from award of main package	--	19.58	23.57	Under various stage of tendering and finalization	--	
<b>4.</b>	<b>NMDC Ltd.</b>												
(i)	Bailadila Deposit 11B	To increase production of iron ore	607.18	15.00	15.00	Capacity of 7mtpa	Mar'12	Mar'15	11.44	381.02	Project is being executed through seven packages. MECON was appointed as EPCM Consultant. All packages have been ordered and works are in progress. The major package details are as under: Primary & Secondary crusher area: Most of civil, structural & mechanical erection works completed. Electrical finishing works are in progress. M/s.	Maot activities in Dantewada, Bastar region have been impeding/disrupting the progress of construction activities. Fire incident caused by insurgents on 16 <sup>th</sup> Mar'14 damaging approx 200 M length of Downhill conveyor (Belt., equipment & structures) which is under erection. Contractors and allied labour are not able to work in normal way due to	

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				BE	RE		Original	Now Anticipated	For Apr'14-Dec'14	Cumulative upto Dec.'14			
1	2	3	4	5	6	7	8	9	10	11	12	13	
(ii)	Kumaraswamy Iron Ore Project	To increase production of iron ore	898.55	80.00	80.00	Capacity of 7 mtpa	May'13	August'15	59.87	351.68	Uralmash, Moscow, experts awaited for final checking of the erected crushers and for proceeding trials with integrated Downhill Conveyor System. All mechanical equipment erected except conveyor belt for a length of 500 m out of 7000 m. electrical, cabling and finishing works are in progress. Water supply works completed. Transmission line works are in progress.	Project is being executed in six packages. MECON appointed as EPCM consultant for all packages except package IV - Tele Communication System. The major package details are as under: Crushing system package: All equipment including primary & secondary crushers erected Electrical works also almost completed. Finishing works are in progress. Downhill Conveyor System Package. Civil & structural works almost complete. Erection of fabricated structures is in progress. Erection of mechanical equipment to be taken up. Service centre & water supply civil and structural works are in progress.	Poor Financial status of Package Contractor (M/s Elecon) 2 affected the progress of works.

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				BE	RE		Original	Now Anticipate d	For Apr' 14- Dec'14	Cumulative upto Dec'14		
1	2	3	4	5	6	7	8	9	10	11	12	13
(iii)	Pellet Plant at Donimalai	To diversify into pellet production	572.00	60.00	60.00	Capacity of 1.2 mtpa	Apr'13	June' 2015	37.59	417.21	<p>Tele communications System package retendered and bid evaluation is in progress.</p> <p>M/s M.N. Dastur appointed as EPCM consultant. The project is being executed through six packages (Pelleetisation, Beneficiations, Site leveling, MRSS, Boundary wall &amp; miscellaneous buildings and mobile equipments). The major package details are as under.</p> <p>Pelleetisation Package : Erection of mechanical equipment &amp; sub-systems completed. Trials runs of individual equipment , refractory and finishing works are in progress.</p> <p>Beneficiation Package major civil works completed. Structural fabrication &amp; Erection works are in progress. Concentrate thickener, Ball mills, Pressure Filters, Whims &amp; Lims, Dewatering cyclone &amp; EOT Cranes erection completed. Balance equipment supplies &amp; erection in progress.</p> <p>Main transformers &amp; GIS substation erection completed. interfacing works in progress.</p> <p>Mobile Equipment package supplies completed.</p>	Financial constraints of Beneficiation Package Contractor resulted in delayed supplies & poor resource mobilization, which has affecting the progress of works



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1	2	3	4	5	6	7	8	9	10	11	12	13
(iv)	3 MTPA Steel Plant at Nagarnar	<p>i) Ensure value addition to Iron ore mined in CG State.</p> <p>ii) Development of Baster region inhabited mostly by tribals.</p> <p>iii) Partially meet the growing demand for steel products, primarily in the Indian market.</p> <p>iv) Investment of funds available for business growth.</p>	15525.00	2280.00	2280.00	Capacity of 3 mtpa	May' 2015	December' 2016	1633.26	5864.00	<p>1) The total work of the steel Plant is divided into 09 Major technological Packages, 26 Auxiliary Package. 15 infrastructure packages, 11 enabling package and 5 package of Private Railways Siding for ease of tendering and execution</p> <p>All the major Technological packages are awarded and the work is progressing at full pace at site.</p> <p>2) Out of 26 Nos of Auxiliary Package 07 Packages are awarded and Civil, Equipment erection work in progressing at site for Power Blowing Station, one of the major Auxiliary package. Tenders are floated for 10 Aux. Package out of which 05 are under tender evaluation. Remaining 09 packages are in</p> <p>3) out of 15 Nos of Infra package, tender enquire issued for 05 package out of which 04 nos are in tender evaluation, Remaining 11 nos of package are in different stage of tender document finalization.</p>	<p>Forest Clearance &amp; Right of Way for laying water pipe lines from river Sabri to Steel Plant site at Nagarnar for operation water for the steel plant</p>

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1	2	3	4	5	6	7	8	9	10	11	12	13
											<p>4) Out of 11 Nos. of Enabling packages 08 packages are awarded out of which five are completed. Tender for 01 no of package is issued and is under tender evaluation. Remaining 02 nos of packages are in different stages of tender document finalization.</p> <p>5) Tender enquiry is issued for Two packages out of the 05 Railways Siding Package. One of the Railways siding packages i.e. Road Over Bridge is to be executed by NHAI on deposit basis. Remaining 02 packages are in different stages of tender document finalization.</p>	

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			Original	Revised	BE	RE		Original	Now Anticipated	For Apr'14-Dec'14	Cumulative upto Dec'14		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>B.</b>	<b>Scheme of Ministry of Steel</b>												
<b>1.</b>	Scheme for promotion of R&D in the Iron & Steel sector												
1(i)	Scheme for promotion of Research & Development in Iron & Steel sector	<p><b>(On-going projects)</b></p> <ol style="list-style-type: none"> <li>Development of innovative/ path breaking technologies for utilisation of iron ore fines and non-coking coal.</li> <li>Improvement of quality of steel produced through Induction Furnace route.</li> <li>Beneficiation of raw materials like iron ore, coal etc. and agglomeration (e. g. Pelletisation).</li> </ol>	48.00	32.87*	6.00	0.00	<ol style="list-style-type: none"> <li>Improvement in sinter productivity through deep beneficiation and agglomeration technologies for rational utilization of low grade iron ores and fines.</li> <li>Development of Alternate complementary Route of Iron/Steel making with reference to Indian raw material viz low grade iron ore and non coking coal.</li> <li>Production of low Phosphorus Steel using DRI through Induction furnace route adopting innovative fluxes and/or design (refractory) changes.</li> <li>Smelting reduction of iron ore/fines by hydrogen plasma and elimination of CO<sub>2</sub> emission.</li> <li>Beneficiation of Iron Ore slimes from Barsua and other mines in India.</li> <li>Development of pilot scale pelletization technology for Indian Goethitic/hematite ore with varying degree of fineness.</li> <li>CO<sub>2</sub> abatement in Iron and Steel production by process optimisation.</li> <li>Production of low ash (10% ash) coal (coking non coking) from high ash Indian coals including desulphurisation of high sulphur North East coal.</li> </ol>	During 11 <sup>th</sup> Plan 2007-12	Scheme Continued in the 12 <sup>th</sup> Plan 2012-17 being a continuous scheme.	0.00	32.87	8	<ol style="list-style-type: none"> <li>The Scheme for R&amp;D was introduced in MoS in the 11th Five Year Plan and it took considerable time to get appraisal and approval as per laid down procedure.</li> <li>The EFC approved the scheme in Nov 2008 and Ministry of Finance accorded final clearance on Jan 2009 with a rider that the scheme be operated with effect from 2009-10.</li> <li>Ministry of Steel took follow up action for selection of R&amp;D projects in consultation with the stake holders got the projects approved by Panel of Experts and 4 projects were approved in Feb 2010. Four more projects were approved by PAMC in Nov 2010.</li> <li>Because of the delays on the approval of the scheme and subsequent approval of the individual R&amp;D projects, the 4 projects could only be started in April 2010, 2 projects on Jan 2011 and the balance 2 projects in Dec 2011. Therefore the projects could not be completed in the 11th Five Year Plan.</li> <li>The ongoing 8 projects have been continued in the 12th Five Year Plan. As per the original schedule, these projects are likely to be completed in 2012-13, 2013-14, 2014-15 &amp; 2015-16.</li> </ol>

No	Name of PSUs and Scheme/ Programme	Objective/ Outcome	Estimated/ Sanctioned Cost		Approved Outlay 2014-15		Quantifiable Deliverables/ Projected Outcomes	Projected timeline		Actual Expenditure		Achievements w.r.t projected Outcomes in Col.7	Remarks/Risk factors
			Original	Revised	BE	RE		Original	Now Anticipated	For Apr'14-Dec'14	Cumulative upto Dec'14		
1	2 (New Component)	3 Development of the technology for Cold Rolled Grain Oriented (CRGO) steel sheets and other value added innovative steel products.	4 150.00	5 150.00	6 12.00	7 0.50	8 Development of the technology for production of CRGO Steel Sheets and other value added Steel Products.	9 During 12 <sup>th</sup> Plan	10 During 12 <sup>th</sup> Plan. Will Continue in 13 <sup>th</sup> Plan, being a continuous scheme.	11 0.25	12 0.25	13 DPR of the CRGO project with MOS funding of Rs. 50 Lakh has been approved by 1 <sup>st</sup> HSM. 25 lakh has been released to NML Jamshedpur. Placement of order for the preparation of the DPR is expected in Jan 2015. Balance Rs. 25 Lakh expected to be released in March 2015.	14 The R&D Scheme has amended with the due approval of SFC and HSM in Nov. 2014, to include development of technology for Cold Rolled Grain Oriented (CRGO) Steel Steels and other value added innovative steel products as an objective of the scheme.
1(iii)	New projects	1. Development of innovative/ path breaking technologies for utilisation of iron ore fines and non-coking coal. 2. Improvement of quality of steel produced through Induction Furnace route. 3. Beneficiation of raw materials like iron ore, coal etc. and agglomeration (e. g. Pelletisation). 4. To pursue R&D on any other subject of national importance concerning the Iron & Steel Sector	2.00	17.13#	2.00	6.50	1) Production of low Phosphorus steel through Induction Furnace route using DRI as major ferruginous raw material - An Industrial Assessment. 2) Development of Automation for Optimum Coal Blending at Coal Handling Plant of Coke Oven Batteries	During 12 <sup>th</sup> Plan. Will Continue in 13 <sup>th</sup> Plan, being a continuous scheme.	During 12 <sup>th</sup> Plan. Will Continue in 13 <sup>th</sup> Plan, being a continuous scheme.	1.48	1.48	2 New R&D Projects have been approved by the PAMC in its meeting held on 17 <sup>th</sup> Feb. 2014 & 8 <sup>th</sup> December 2014. The projects are in progress	The R&D Scheme has amended with the approval of SFC and HSM in Nov. 2014, to include R&D on any other subject of national importance concerning the iron & Steel Sector, as an objective of the scheme.

\* As no further expenditure is required for the ongoing projects, it is proposed to reduce the allocation from Rs. 48 crore to Rs. 32.87 crore in 12<sup>th</sup> Five Year Plan.

# It is proposed to increase the allocation for new projects from Rs. 2 crore to Rs. 17.13 crore in the 12<sup>th</sup> Five Year Plan.

\$ The overall allocation Rs. 200 crore for the R&D Scheme remain the same.

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**CHAPTER - V****FINANCIAL REVIEW**

For the year 2015-2016, Demand No. 95 will be presented to the Parliament on behalf of the Ministry of Steel during the Budget Session. The Demand includes provisions for Plan/Non-Plan expenditure for the Ministry and Plan expenditure of the Public Sector Undertakings (PSUs) under its administrative control.

**1. TOTAL REQUIREMENT OF FUNDS FOR 2015-16**

The total financial requirements covered in Demand No. 95 for BE 2015-16, are summarized in the following Table:-

*(Rs. in crore)*

Demand No. 95 for 2015-2016	BE 2015-16		
	Plan	Non-Plan	Total
REVENUE SECTION	15.00	73.13	88.13
CAPITAL SECTION	0.00	0.00	0.00
<b>Total (Gross)</b>	<b>15.00</b>	<b>73.13#</b>	<b>88.13</b>

# Includes provision of Rs. 5.18 crore for accounting adjustments relating to waiver of guarantee fee for HSCL.

**2. ACTUAL EXPENDITURE: 2012-13 TO 2014-15 (UPTO DEC'14)**

The actual Plan and Non-Plan expenditure (Gross) under the Ministry's grant during the preceding three years vis-à-vis the BE and RE for the respective years, are summarized in the table below:

*(Rs. in crore)*

Year	BE			RE			Actual Expenditure		
	Non-Plan	Plan	Total	Non-Plan	Plan	Total	Non-Plan	Plan	Total
2014-15	72.92	20.00	92.92	71.10	7.00	78.10	53.92	1.73	55.65*
2013-14	72.97	46.00	118.97	70.46	8.00	78.46	70.02	8.00	78.02
2012-13	75.89	46.00	121.89	220.58	26.49	247.07	218.40	24.90	243.30

\*Upto Dec'2014

### 3. NON-PLAN EXPENDITURE

3.1 The Non-Plan provision of Ministry of Steel, including Secretariat proper, PAO (Steel), Development Commissioner for Iron & Steel (DCI&S), Kolkata and the PSUs under this Ministry, in 2014-15 (BE & RE) and requirement of fund in 2015-16 (BE) are given in the following table :-

(Rs. in crore)

No.	Major Head & Item of Expenditure	BE 2014-15	RE 2014-15	% age increase/decrease in RE over BE 2014-15	BE 2015-16	% age increase/decrease over BE 2014-15
I.	<u>MH – 3451</u>					
1.	Secretariat - Economic Services	23.26	21.37	-8.12%	23.35	0.39%
II.	<u>MH – 2852</u>					
2.	Development Commissioner for Iron & Steel, Kolkata	0.14	0.19	35.71%	0.23	-76.66%
3.	Awards to Distinguished Metallurgists.	0.23	0.25	8.70%	0.26	13.04%
4.	Interest Subsidy :					
(i)	Subsidy to Hindustan Steelworks Construction Ltd. (HSCL) for payment of interest on loans raised from Banks for implementation of VRS	44.11	44.11	0.00%	44.11	0.00%
5.	Waiver of guarantee fee (Non-cash transaction) :					
(i)	HSCL – Waiver of guarantee fee in respect of Govt. guarantee for cash credit (CC) limit, bank guarantee (BG) and VRS loans	5.18	5.18	0.00%	5.18	0.00%
	<i>Less – Receipts netted [5(i) to (ii)]#</i>	-5.18	-5.18	0.00%	-5.18	0.00%
	<b>Total : Non- Plan Expenditure(Net of receipts)</b>	<b>67.74</b>	<b>65.92</b>	<b>-2.68%</b>	<b>67.95</b>	<b>0.31%</b>
	<b>Total : Non- Plan Expenditure(Gross)</b>	<b>72.92</b>	<b>71.10</b>	<b>-2.50%</b>	<b>73.13</b>	<b>0.29%</b>

3.2 As against Non-Plan provision of Rs. 72.92 crore in BE 2014-15, a provision of Rs. 73.13 crore has been kept in BE 2015-16.

### 4. PLAN EXPENDITURE

4.1 The Gross Budgetary Support for plan outlay in BE 2015-16 is Rs. 15.00 crore for the scheme for `Promotion of R&D in iron & steel sector` to cover the following:

- (i) Rs. 1.00 crore for the new component for Development of Technology for Cold Rolled Grain Oriented (CRGO) Steel Sheets and other value added innovative steel products.
- (ii) Rs. 14.00 crore for new projects under existing objectives of the R&D scheme.

4.2 The total Plan budgetary support of Rs. 20.00 crore in BE 2014-15 was reduced to Rs. 7.00 crore in RE 2014-15. A total Plan budgetary support of Rs. 15.00 crore has been provided in BE 2015-16 for the aforesaid R&D scheme. The break-up of Plan provision during 2014-15 & 2015-16 are given in the following table:

**Plan Expenditure***(Rs. in crore)*

No	Name of Scheme	2014-15 (BE)	2014-15 (RE)	2015-16 (BE)	%age increase/decrease over BE 2014-15 in BE 2015-16
1.	Scheme of the Ministry: Promotion of R&D in iron & steel sector				
1(i)	On-going R&D projects	6.00	0.00	0.00	-100%
1(ii)	Development of Technology for Cold Rolled Grain Oriented (CRGO) Steel Sheets and other value added innovative steel products (new component)	12.00	0.50	1.00	-0.92%
1(iii)	New project under the existing scheme	2.00	6.50	14.00	600%
	<b>Total</b>	<b>20.00</b>	<b>7.00</b>	<b>15.00</b>	<b>-25%</b>

**5. BRIEF ON R&D SCHEME**

5.1 Based on the recommendation of the Working Group on Steel Industry for 11<sup>th</sup> Plan (2007-12), a new scheme i.e. 'Scheme for Promotion of R&D in Iron and Steel Sector' was included in the 11<sup>th</sup> Five Year Plan with an outlay of Rs. 118.00 crore. The objective of the scheme is to promote and accelerate R&D activities in development of innovative/path breaking technologies utilizing Indian iron ore fines and non-coking coal, improvement of quality of steel produced through induction furnace route and beneficiation of raw materials like iron ore, coal etc. and agglomeration (e.g. pelletization). The scheme was approved on 23.1.2009 for implementation from FY 2009-10 (w.e.f. 1.4.2009).

5.2 The scheme was continued in the 12<sup>th</sup> Five Year Plan with an allocation of Rs. 200.00 crore. In 12<sup>th</sup> Five Year Plan the scheme was amended to include the following additional objectives:-

- (i) To pursue development of CRGO and other value added innovative steel products.
- (ii) To pursue any other projects of National importance for the iron and steel sector.

5.3. The year wise Plan fund allocation and the amount released under the scheme is given below:

*(Rs. in crore)*

Period	B.E	RE	Actual
2010-11	35.00	29.00	27.05
2011-12	39.00	29.00	9.63
2012-13	46.00	26.49	24.89
2013-14	46.00	8.00	8.00
2014-15	20.00	7.00	1.73*

\*Upto Dec'14

## 6. ANNUAL PLAN OUTLAY FOR 2015-16 (BE)

6.1 Based on the discussion held in the Ministry of Finance and intimated to them within the overall context of the 12<sup>th</sup> Five Year Plan (2012-2017), the following Plan outlay for 2015-16 (BE) for Ministry of Steel are as under:

		(Rs. in crore)			
		<b>Actual 2013-14</b>	<b>BE 2014-15</b>	<b>RE 2014-15</b>	<b>BE 2015-16</b>
a)	Gross Budgetary Support EAP component of GBS	8.00 0.00	20.00 0.00	7.00 0.00	15.00 0.00
b)	Internal & Extra Budgetary Resources (I&EBR)	14025.49	15373.22	13265.28	13070.47
	<b>Total</b>	<b>14033.49</b>	<b>15393.22</b>	<b>13272.28</b>	<b>13085.47</b>

### 6.2 Plan outlay of Public Sector Undertakings (PSU's):-

		(Rs. in crore)								
No.	Name of the PSU/ Organisation	BE 2014-15			RE 2014-15			BE 2015-16		
		IEBR	B.S.	Outlay	IEBR	B.S.	Outlay	IEBR	B.S.	Outlay
<b>A.</b>	<b>Central Sector Scheme</b>									
1	SAIL	9000.00	0.00	9000.00	7800.00	0.00	7800.00	7500.00	0.00	7500.00
2	RINL#	1724.17	0.00	1724.17	1722.24	0.00	1722.24*	1801.00	0.00	1801.00**
3	HSCCL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	MECON Ltd.	5.00	0.00	5.00	5.00	0.00	5.00	5.00	0.00	5.00
5	MSTC Ltd.	45.00	0.00	45.00	5.00	0.00	5.00	10.00	0.00	10.00
6	FSNL§	12.00	0.00	12.00	12.00	0.00	12.00	12.00	0.00	12.00
7	NMDC Ltd.	4345.00	0.00	4345.00	3555.00	0.00	3555.00	3588.00	0.00	3588.00
8	KIOCL Ltd.	50.00	0.00	50.00	13.00	0.00	13.00	27.00	0.00	27.00
9	MOIL Ltd.	192.05	0.00	192.05	153.04	0.00	153.04	127.47	0.00	127.47
10	Scheme for promotion of R&D in Iron & Steel sector									
10(i)	On-going R&D Projects	0.00	6.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00
10(ii)	Development of Technology for Cold Rolled Grain Oriented (CRGO) Steel Sheets and other value added innovative steel products (new component)	0.00	12.00	12.00	0.00	0.50	0.50	0.00	1.00	1.00
10(iii)	Development of innovative iron/steel making process/ technology (new project under the existing scheme)	0.00	2.00	2.00	0.00	6.50	6.50	0.00	14.00	14.00
	<b>TOTAL - A</b>	<b>15373.22</b>	<b>20.00</b>	<b>15393.22</b>	<b>13265.28</b>	<b>7.00</b>	<b>13272.28</b>	<b>13070.47</b>	<b>15.00</b>	<b>13085.47</b>
<b>B.</b>	<b>Centrally Sponsored Schemes</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	<b>TOTAL - B</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	<b>GRAND TOTAL – A + B</b>	<b>15373.22</b>	<b>20.00</b>	<b>15393.22</b>	<b>13265.28</b>	<b>7.00</b>	<b>13272.28</b>	<b>13070.47</b>	<b>15.00</b>	<b>13085.47</b>

#OMDC Ltd. and BSLC Ltd. were constituents of erstwhile Bird Group of Companies, which have become subsidiary PSUs of RINL and their figures have been clubbed with RINL. (\*RE 2014-15: RINL – 1535.00 + OMDC – 187.24 = 1722.24) & (\*\*BE 2015-16: RINL – 1402.00 + OMDC – 399.00 = 1801.00).  
§ FSNL is a subsidiary of MSTC Ltd

6.3 The total Plan outlay of the Ministry of Steel for BE 2015-16 is Rs. 13085.47crore which will be financed through approved gross budgetary support of Rs. 15.00 crore and IEBR of Rs. 13070.47 crore. Out of the budgetary support of Rs. 15.00 crore for the R&D scheme, provision of Rs. 1.00 crore has been made for Development of Technology for Cold Rolled Grain Oriented (CRGO) Steel Sheets and other value added innovative steel products. Provision of Rs. 14.00 crore has been made for new projects.



6.4 Brief description of the PSU-wise outlays provided in BE 2015-2016 for various schemes of the PSUs are given below:-

- (i) Out of the total outlay of **Rs.13070.47crore** in Annual Plan 2015-16 (BE), an amount of **Rs. 7500.00 crore** has been provided for **Steel Authority of India Limited (SAIL)**, for various ongoing and new schemes/ projects and research work.
- (ii) Outlay of **Rs. 1801.00 crore** has been provided for **Rashtriya Ispat Nigam Ltd.** Major portion is earmarked for expansion of RINL's production capacity. Balance outlay is for AMR schemes. RINL's outlay includes the outlays of two subsidiary PSUs viz., OMDC Ltd. and BSLC Ltd., which were constituents of erstwhile Bird Group of Companies.
- (iii) Outlay of **Rs. 3588.00 crore**, has been provided for **NMDC Ltd.** for 3 MTPA Steel Plant at Nagarnar in Chhattisgarh. Balance outlay is for AMR/Township and R&D scheme.
- (iv) Outlay of **Rs. 27.00 crore** has been provided for **KIOCL Ltd.**, for AMR schemes and for Development of Ananthapuramu Mine and setting up of pelletisation and beneficiation plant at Ananthapuramu. Remaining outlay is for various ongoing scheme and R&D/feasibility studies.
- (v) Outlay of **Rs. 127.47 crore** has been provided for **MOIL Ltd.** for investment in joint venture for Ferro Manganese/ Silico Manganese Plant with RINL and SAIL and AMR schemes, township, R&D/feasibility studies etc.
- (vi) Outlay of **Rs. 5.00 crore** has been provided for **MECON Ltd.** for expansion, modification & augmentation of office space/guest house at various locations.
- (vii) Outlay of **Rs. 10.00 crore**, to be met out of I&EBR of the company has been provided for **MSTC Ltd.** for setting up of Shredding Plant.
- (viii) Outlay of **Rs. 12.00 crore** has been provided for **Ferro Scrap Nigam Ltd.**, for AMR schemes.

## 7. YEARWISE ANALYSIS OF GROSS BUDGETARY SUPPORT (GBS) OUTLAY IN 12<sup>TH</sup> FIVE YEAR PLAN

7.1 The Scheme-wise break up of GBS of Rs. 200.00 crore approved for 12<sup>th</sup> Plan (2012-17) are given in the table below:-

### Scheme of the Ministry : Promotion of R&D in the Iron & Steel sector

(Rs. in crore)

No.	Name of Scheme	12 <sup>th</sup> Plan (2012-17)	2012-13		2013-14		2014-15		2015-16
			BE	RE	BE	RE	BE	RE	BE
1(i)	Ongoing projects	32.87	44.00	26.49	12.00	8.00	6.00	0.00	0.00
1(ii)	Development of Technology for Cold Rolled Grain Oriented (CRGO) Steel sheets and other value added innovative steel products (new component)	150.00	0.00	0.00	32.00	0.00	12.00	0.50	1.00
1(iii)	Development of innovative Iron/Steel making Process/Technology (new projects under existing scheme)	17.13	0.00	0.00	2.00	0.00	2.00	6.50	14.00
	<b>TOTAL</b>	<b>200.00</b>	<b>46.00*</b>	<b>26.49</b>	<b>46.00</b>	<b>8.00</b>	<b>20.00</b>	<b>7.00</b>	<b>15.00</b>

\* Rs. 2.00 crore was kept as token provision for two additional schemes which were dropped in RE stage due to less overall allocation by Planning Commission.

7.2 In BE 2014-15, there was an allocation of RS 20.00 crore which was reduced to Rs. 7.00 crore at RE stage. Total Plan Gross Budgetary support of Rs. 15.00 crore has been allocated in BE 2015-16.

**8. PLAN OUTLAY AND ACTUAL EXPENDITURE DURING 2014-15****Plan outlay and actual expenditure during 2014-15 (upto December, 2014)**

For the financial year 2014-15, the Planning Commission approved an outlay of Rs. 15393.22 crore (Rs. 15373.22 crore as IEBR and Rs. 20.00 crore as GBS). The source-wise details of approved outlay for 2014-15 (BE) and actual expenditure upto December, 2014 are given in the table below:-

(Rs. In crore)										
No.	Name of the PSUs	2014-15 (BE)			2014-15 (RE)			2014-15 Actual expenditure (upto Dec. 2014)		
		IEBR	B.S.	Total	IEBR	B.S.	Total	IEBR	B.S.	Total
<b>A</b>	<b>Central Sector Scheme</b>									
1.	SAIL	9000.00	0.00	9000.00	7800.00	0.00	7800.00	5133.00	0.00	5133.00
2.	RINL <sup>^</sup>	1724.17	0.00	1724.17	1722.24	0.00	1722.24	989.06	0.00	989.06
3.	HSCCL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.	MECON Ltd.	5.00	0.00	5.00	5.00	0.00	5.00	3.74	0.00	3.74
5.	MSTC Ltd.	45.00	0.00	45.00	5.00	0.00	5.00	0.00	0.00	0.00
6.	FSNL	12.00	0.00	12.00	12.00	0.00	12.00	6.00	0.00	6.00
7.	NMDC Ltd.	4345.00	0.00	4345.00	3555.00	0.00	3555.00	2224.80	0.00	2224.80
8.	KIOCL Ltd.	50.00	0.00	50.00	13.00	0.00	13.00	7.94	0.00	7.94
9.	MOIL Ltd.	192.05	0.00	192.05	153.04	0.00	153.04	73.45	0.00	73.45
<b>B</b>	<b>Centrally Sponsored Scheme</b>									
<b>10</b>	Scheme for promotion of R&D in Iron & Steel sector									
10(i)	on-going R&D projects	0.00	6.00	6.00	0.00	0.00	0.00	--	0.00	0.00
10(ii)	Development of Technology for Cold Rolled Grain Oriented (CRGO) Steel sheets and other value added innovative steel products (new component)	--	12.00	12.00	0.00	0.50	0.50	--	0.25	0.25
10(iii)	Development of innovative Iron/Steel making Process/Technology (new projects under existing scheme)	--	2.00	2.00	0.00	6.50	6.50	--	1.48	1.48
	<b>Grand Total (A+B)</b>	<b>15373.22</b>	<b>20.00</b>	<b>15393.22</b>	<b>13265.28</b>	<b>7.00</b>	<b>13272.28</b>	<b>8437.99</b>	<b>1.73</b>	<b>8439.72</b>

<sup>^</sup>OMDC Ltd. and BSLC Ltd. were constituents of erstwhile Bird Group of Companies, which have become subsidiary PSUs of RINL and their figures have been clubbed with RINL.

**9. STATUS OF OUTSTANDING UTILISATION CERTIFICATES**

As on 31.12.2014, no utilization certificate is pending.

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