

**GOVERNMENT OF INDIA  
STEEL  
LOK SABHA**

UNSTARRED QUESTION NO:3877

ANSWERED ON:19.12.2005

MODERNISATION OF SAIL

Khaira Shri Chandrakant Bhaurao;Patel Shri Kishanbhai Vestabhai;Singh Shri Sugrib

**Will the Minister of STEEL be pleased to state:**

- (a) whether the Government has approved a modernization plan for Steel Authority of India;
- (b) if so, the details thereof, plant-wise;
- (c) the expenditure likely to be incurred thereon; and
- (d) the time by which the said plan is likely to be completed, plant-wise?

**Answer**

MINISTER OF CHEMICALS & FERTILIZERS AND MINISTER OF STEEL (SHRI RAM VILAS PASWAN)

(a)to(d): To achieve capacity expansion, up-gradation and cost effective production, Steel Authority of India Ltd.(SAIL) has prepared its corporate plan, which aims to reach a level of 22.88 MT of Hot Metal production including Indian Iron & Steel Company Limited (IISCO) by 2012. The plant-wise details of these projects and expenditure likely to be incurred thereon are given below:

S.No.	Plant	The major projects upto 2011-12 (Rs. in crore)	Total investment
-------	-------	--	------------------

1. Bhilai steel plant i) Rebuilding of existing coke oven batteries.
  - ii) A new battery in place of Battery 7 & 8,
  - iii) Installation of coal dust injection(CDI) in Blast Furnaces 1,5 &7,
  - iv) Modernisation of the existing Blast Furnaces including Gas Cleaning Plants (GCP).
  - v) Installation of Steel Melting Shop (SMS)- III 9000 of 3.9 MT per annum capacity with 150 t converters, ladle furnaces, billet caster, Thin slab caster, and Compact Strip Mill (CSP) with other associated facility to phase out SMS-I and Blooming & Billet Mill (BBM) etc.
2. Durgapur Steel Plant i) Rebuilding of coke oven battery no. 4,
  - ii) CDI in Blast Furnace(BF)#3 and #4
  - iii) Up gradation of BF #1 & introduction of Coal Dust Injection (CDI).
  - iv) Installation of Bloom caster and ladle furnace.
  - v) Installation of a new Billet caster.
  - vi) New Bar and Rod Mill, Medium structural mill etc. 2840
3. Rourkela Steel Plant i) Rebuilding of coke oven batteries.
  - ii) Modernization of Coal Chemical Department (CCD).
  - iii) Installation of oxygen plant on Build Own & Operate(BOO) basis.
  - iv) New Blast Furnace #5.
  - v) Phase II SMS with Converter, Casters and Vacuum Arc Degassing (VAD).
  - vi) New plate mill.
  - vii) Up-gradation and revamping schemes in Cold Rolling Mill (CRM), Tandem mill etc. 4590
4. Bokaro Steel Plant i) Rebuilding of coke oven batteries 1,2 and 5.
  - ii) Augmentation of Raw Material Handling Plant (RMHP).
  - iii) Revamping and up gradation of sinter plant.

- iv) Introduction of CDI in Blast Furnaces.
- v) Up gradation of Blast Furnaces and stoves.
- vi) Installation of 3 nos. of new modern Basic Oxygen Furnaces (BOFs) and 3 nos. slab caster in SMS-1.
- vii) Revamping of Hot Strip Mill (HSM) etc. 6340

5. Alloy Steel Plants i) Installation of a new Electric Arc Furnance (EAF) and Argon Oxygen Decarbonization (AOD).  
 ii) New Bloom cum Round caster.  
 iii) Walking beam furnace at Blooming and Billet Mill (BBM).  
 iv) Revamping of forge shop and plate mill, Heat treatment facility and Conditioning Shop etc. 460

6. Visvesvaraya Iron & Steel Plant i) Installation of additional turbo blower at Blast furnace.  
 ii) VAD at SMS.  
 iii) Bloom caster, Walking beam furnace and descaling facility in primary mill.  
 iv) Revamping of Forge shop, online testing and straightner.  
 v) Coke Oven batteries and Oxygen plant on BOO basis etc. 299

7. Salem Steel Plant i) Z mill upgradation in Cold Rolling Mill (CRM).  
 ii) Stainless steel making facility.  
 iii) Second Cold Rolling Mill (CRM) and related facilities etc. 1266

8. Indian Iron & Steel Company Ltd. i) Setting up a new coke oven battery #11.  
 ii) Raw material handling Complex.  
 iii) Blast furnace #5 with 2000 cub m capacity.  
 iv) Sinter plant.  
 v) Basic Oxygen Furnance (BOF) convertor 2 nos  
 vi) Billet caster, beam blank caster and universal mill etc. 8017

9. Raw Material Division Up gradation of equipments and development schemes has been planned in the various mines of SAIL like Kiriburu, Meghataburu, Taldih, thakurani, Chiria, Rowghat, installation of pellet plant at BSP, AMR schemes etc. 2170

Total Investment: 34982