

05 IRON AND STEEL



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A. ENVIRONMENT CLEARANCE

■ In 2010-11, India produced 69 million tonnes (MT) of steel (crude) with an installed capacity of 76 million tonnes per annum (MTPA) (*see Table 1: Steel and sponge iron capacity and production*). 27 MT of sponge iron was also produced with an installed capacity of about 35 MTPA.

Table 1: Steel and sponge iron capacity and production

	Capacity (MTPA)	Production 2010-11 (MT)
Steel	76	69
Sponge iron	35	27

■ In the 11th five year plan (FYP) period (April 2007 – March 2012), 203 steel plants (including sponge iron) were granted environment clearance (EC) (*see Table 2: Environment clearance granted in 11th FYP period*).

Table 2: Environment clearance granted in 11th FYP period

State	Number of iron and steel plants
Andhra Pradesh	27
Chhattisgarh	37
Goa	1
Gujarat	9
Jharkhand	19
Karnataka	22
Maharashtra	6
Madhya Pradesh	3
Orissa	40
Punjab	2
Tamil Nadu	7
West Bengal	30
Total	203

■ About 33 MTPA of sponge iron capacity and 97 MTPA of steel capacity were granted EC during the 11th FYP (*See Table 3: Capacity-wise environment clearance granted in 11th FYP period*).

■ Thus MoEF has granted clearance to more than the existing capacity of sponge iron and steel in the country during the 11th FYP period. As per the National Steel Policy 2005, 100 MT of steel production will be required by 2019-2020. MoEF has already granted clearance to a total capacity of 97 MT which will take the capacity in the country close to 175 MT.

Table 3: Capacity-wise environment clearance granted in 11th FYP period

State	Capacity of sponge iron granted EC (MTPA)	Capacity of steel granted EC (MTPA)
Andhra Pradesh	1.83	2.81
Chhattisgarh	8.38	20.53
Goa		0.00
Gujarat	0.35	5.02
Jharkhand	3.69	27.43
Karnataka	4.65	8.67
Maharashtra	1.39	2.14
Madhya Pradesh	1.75	3.38
Orissa	6.42	17.47
Punjab		0.41
Tamil Nadu	0.42	1.47
West Bengal	3.91	7.93
TOTAL	32.78	97.26

■ During the 11th FYP, maximum capacity of steel and sponge iron was granted EC in 2010 (see Table 4: Year-wise EC granted during 11th FYP).

Table 4: Year-wise EC granted during 11th FYP

Capacity (MTPA)	2007 (April- December)	2008	2009	2010	2011	2012 (till March)
Capacity of steel plants granted EC	13.37	27.20	13.82	30.13	4.79	5.82
Capacity of sponge iron plants granted EC	1.78	4.28	9.85	9.78	2.71	2.77

■ Most of the capacities are concentrated in the states of Jharkhand, Karnataka, Chhattisgarh and Orissa. Table 5: Top 10 districts for sponge iron, and Table 6: Top 10 districts for Steel gives a chronological account of the districts in terms of capacities for the respective products. For sponge iron production, Bellary district tops the list with a capacity of 3.01 MTPA, while East Singbhum district of Jharkhand tops the list for steel production with a capacity of 9.83 MTPA.

Table 5: Top 10 districts for sponge iron

State	District	Capacity (MTPA)
Karnataka	Bellary	3.01
Chhattisgarh	Raigarh	2.96
Jharkhand	Seraikela Kharsawan	2.85
Orissa	Jharsuguda	2.47
Chhattisgarh	Raipur	2.35
West Bengal	West Midnapore	1.95
Orissa	Sambalpur	1.36
Chhattisgarh	Rajnandgaon	1.26
Chhattisgarh	Durg	1.12
West Bengal	Purulia	1.12

Table 6: Top 10 districts for steel

State	District	Capacity (MTPA)
Jharkhand	East Singbhum	9.83
Karnataka	Bellary	8.5
Chhattisgarh	Raigarh	6.73
Jharkhand	Hazaribagh	6.02
Orissa	Jagatsinghpur	6
Jharkhand	Seraikela Kharsawan	5.9
Chhattisgarh	Bastar	5.5
Gujarat	Surat	5
Jharkhand	Bokaro	3.04
Chhattisgarh	Jagdalpur	3