



A. ENVIRONMENT CLEARANCE

■ As of March 2011, there were 11,003 mining leases (MLs) in India covering an area of half a million hectare (ha) (547,814 ha). Of the total area under MLs, public sector has 34 percent, while 66 percent is with the private sector.

■ During the 11th five year plan (FYP) period (April 2007 to March 2012), 364 mines (including projects that applied for capacity expansion) were given environment clearance (EC) by the Ministry of Environment and Forests (MoEF) (*See Table 1: Mining (non-coal) and environment clearance granted during 11th FYP*). A hundred and eighty eight of these projects are greenfield, rest are expansion. Rajasthan (79) and Orissa (69) have the maximum number of projects that have been given EC during this period.

TABLE 1: Mining (non-coal) and environment clearance granted during 11th FYP

State	Number of mines
Andhra Pradesh	27
Chhattisgarh	13
Goa	35
Gujarat	31
Haryana	1
Himachal Pradesh	2
Jammu and Kashmir	1
Jharkhand	17
Karnataka	29
Madhya Pradesh	32
Maharashtra	10
Meghalaya	2
Orissa	69
Rajasthan	79
Tamil Nadu	3
Uttarakhand	11
Uttar Pradesh	2
Total	364

■ The ML area of these 364 projects together is about 114,090 ha (*See Table 2: State-wise mine lease area granted environment clearance during 11th FYP*). Rajasthan and Orissa together account for more than 50 per cent of the total ML area granted EC during the 11th FYP.

■ The top five districts where maximum ML area has been granted EC together account for 35 per cent of the total ML area (*see Table 3: Top 5 mining districts*). Twenty seven mines with a ML area of 13,218 ha were granted EC in Keonjhar district of Orissa. Next in line is Nagaur of Rajasthan with an ML area of 7,565 ha.

TABLE 2: State-wise mine lease area granted environment clearance during 11th FYP

State	Mine lease area (ha)	Major minerals given EC
Rajasthan	34,134.53	limestone, copper, lead, zinc
Orissa	28,242.84	iron, manganese, chromite, bauxite
Gujarat	11,359.22	limestone, bauxite
Chhattisgarh	1,0343.5	iron, limestone
Madhya Pradesh	6,326.19	limestone, manganese
Andhra Pradesh	5,219.02	limestone, iron
Karnataka	4,329.35	iron , manganese, gold
Uttarakhand	3,561.62	minor minerals, aggregates
Jharkhand	3,556.69	bauxite, iron, aggregates, minor minerals
Goa	3,257.82	minor minerals, aggregates, iron, manganese
Haryana	1,348.61	minor minerals (sand)
Maharashtra	1,279.83	iron
Meghalaya	430.12	limestone, uranium
Himachal Pradesh	404.9	limestone
Tamil Nadu	199.41	limestone
Uttar Pradesh	48.58	minor minerals (sand, bajri, boulder)
Jammu and Kashmir	48	limestone
Total	114,090.23	

TABLE 3: Top 5 mining districts

State	District	Mine lease area (ha)
Orissa	Keonjhar	13,217.72
Rajasthan	Nagaur	7,564.83
Gujarat	Kutch	7,078.65
Orissa	Sundargarh	5,838.14
Rajasthan	Udaipur	4,997.33
Total		38,696.67

B. IRON ORE

■ There were 319 iron mines in India during 2009-2010 with production capacity of 226 million tonnes per annum (MTPA). India produced 219 million tonnes (MT) of iron-ore in 2009-2010, among which 56.7 MT was despatched for exports. As of March 2011, the total ML area for iron ore mines was 98,083 ha.

■ During the 11th FYP, 114 iron mines (including projects that applied for capacity expansion) were given EC by MoEF (see Table 4: State-wise iron ore mines granted environment clearance during 11th FYP). The ML area granted EC for these 114 mining projects is about 33,100 ha with a capacity of 164 MTPA. Orissa (44) and Goa (32) account for more than 60 per cent of the total iron mining projects granted EC during the 11th FYP. Orissa with a capacity of 89.4 MTPA (17,734 ha) also accounts for half of the total iron ore mining capacity granted EC during the period.

TABLE 4: State-wise iron ore mines granted environment clearance during 11th FYP

State	Number of mines granted EC	Capacity (MTPA)	Mine lease area (ha)
Andhra Pradesh	4	5.64	826.04
Chhattisgarh	4	26.25	6,601.28
Goa	32	13.4	2,398.5
Jharkhand	9	8.99	2451
Karnataka	15	18.74	2,403.43
Madhya Pradesh	1	0.04	17.01
Maharashtra	4	1.3	648.94
Orissa	44	89.41	17,733.87
Rajasthan	1	0.04	24.6
Total	114	163.81	33,104.67

■ The iron ore capacity granted EC during the 11th FYP period, i.e. 164 MTPA, is 75 per cent of the existing capacity of iron ore mining in the country. Most of this will be for exports as well.

C. LIMESTONE

■ There were 557 limestone mines present in India during 2009-2010 producing 229 MT of limestone. As of March 2011, the ML area for limestone mines was 153,927 ha.

■ During the 11th FYP, 101 limestone mines (including projects that applied for capacity expansion) were given EC by MoEF (*See Table 5: State-wise limestone mines granted environment clearance during 11th FYP*). The capacity of limestone mines granted EC was 93.91 MTPA with a ML area of 34,361 ha. Gujarat has the maximum cleared limestone capacity (23 MTPA) followed by Rajasthan (21 MTPA). The latter also has the maximum ML area granted EC, over 15,000 ha, followed by the former (7,200 ha).

TABLE 5: State-wise limestone mines granted environment clearance during 11th FYP

State	Number of mines granted EC	Capacity (MTPA)	Mine lease area (ha)
Andhra Pradesh	10	20.05	2,986.32
Chattisgarh	4	6.06	1,062.29
Gujarat	18	23.17	7,169.55
Himachal Pradesh	2	3.07	404.9
Jammu & Kashmir	1	0.44	48
Jharkhand	1	0.04	12.33
Karnataka	4	1.66	588.05
Madhya Pradesh	19	12.07	4,975.04
Meghalaya	1	0.44	139.67
Orissa	6	4.54	1,711.56
Rajasthan	33	21.31	15,141.24
Tamil Nadu	2	1.07	121.91
TOTAL	101	93.91	34,360.86



D. BAUXITE

- In 2009-2010, India had 200 bauxite mines spanning over an ML area of 30,033 ha. During that period, the production of bauxite in India was 14 MT.
- During the 11th FYP, 29 bauxite mines (including projects that applied for capacity expansion) were given EC by MoEF with a capacity of 21 MTPA, and covering a ML area of 11,500 ha (*See Table 6: State-wise bauxite mines granted environment clearance during 11th FYP*). Orissa with 5 mines and capacity of 12 MTPA, accounts for 59 per cent of the total production capacity of bauxite granted EC during the 11th FYP.

TABLE 6: State-wise bauxite mines granted environment clearance during 11th FYP

State	Number of mines	Capacity (MTPA)	Mine lease area (ha)
Andhra Pradesh	3	2.5	702
Chhattisgarh	3	1.6	2,484.05
Goa	1	0.9	826.16
Gujarat	7	2.3	1,229.87
Jharkhand	4	0.56	284.72
Karnataka	2	0.04	178.06
Maharashtra	3	0.59	525.06
Orissa	5	12.07	5,160.13
Rajasthan	1	0.003	123.2
Total	29	20.56	11,513.25