



A. ENVIRONMENT CLEARANCE

- The present installed capacity of cement in India is 263 million tonnes per annum (MTPA) and production is 201 million tonnes (2009-2010 data) (see *Table 1: Capacity and production of cement*).

Table 1: Capacity and production of cement

XI Plan	Capacity (in MTPA)	Production (in million tonnes)
2007-2008	209.20	174.31
2008-2009	230.61	187.61
2009-2010	262.9	201.1

- In the past five years (11th five year plan, till August 2011), 106 cement plants have been granted environment clearance (EC) (including those that applied for expansion) with a capacity of 190 MTPA (see *Table 2: Year-wise environment clearance given to cement plants during 11th FYP*). In 2007, the maximum number of cement plants were given EC, 30 in all. In terms of capacity a maximum of 60.25 MTPA was granted EC in 2009.

Table 2: Year-wise environment clearance given to cement plants during 11th FYP*

State	2007	2008	2009	2010	2011	Total
Number of cement plants	30	28	28	12	8	106
Capacity (in MTPA)	41.8	38.4	60.2	24.9	24.5	190

*Till August 2011

- The maximum cement plant capacity granted clearance in the country is in Andhra Pradesh – 21 per cent of the total capacity (see *Table 3: State-wise environment clearance granted to cement plants*). This is followed by Rajasthan – 20 per cent, Karnataka – 16 per cent and Chhattisgarh – 13 per cent.

- Gulbarga district of Karnataka dominates with a cleared cement capacity of 23.3 MTPA followed by Nalgonda of Andhra Pradesh with 14.3 MTPA capacity (see *Table 4: Top 10 cement districts*). Durg of Chhattisgarh with 12.8 MTPA and Jhunjhunu of Rajasthan with 11 MTPA cement capacity are next in line.

- At the end of the 10th FYP, the installed capacity of cement plants in the country was 179 MTPA. Thus the clearances granted to cement capacity in the 11th FYP is more than the then existing capacity of cement in the country. The 11th FYP target was to add 236 MTPA capacity by the end of the plan period. With the clearances granted till August 2011 (since 2007), the combined capacity will become 369 MTPA, 1.6 times the target set for the 11th FYP (see *Figure 1: Target vs granted*).

- The land requirement for these 106 plants stands at 16,000 hectare (ha) and the water requirement is 89 million m³ per year.



Table 3: State-wise environment clearance granted to cement plants

State	Number	Capacity (in MTPA)
Andhra Pradesh	24	41.24
Assam	10	0.59
Chhattisgarh	9	25.19
Gujarat	4	8.1
Haryana	1	0.03
Himachal Pradesh	1	3
Jammu and Kashmir	2	0.16
Jharkhand	3	1.51
Karnataka	9	31.74
Madhya Pradesh	3	8.83
Maharashtra	4	8.1
Meghalaya	4	7.79
Odisha	2	0.92
Rajasthan	21	39.59
Tamil Nadu	8	10.76
Uttar Pradesh	1	2.5
Total	106	190.05

Table 4: Top 10 cement districts

District	Number of plants	Capacity (in MTPA)
Gulbarga	6	23.33
Nalgonda	8	14.3
Durg	2	12.75
Jhunjhunu	3	11.01
Cuddapah	7	10.58
Raipur	6	10.44
Anantpur	4	9.6
Chittorgarh	5	8.55
Chandrapur	4	8.1
Jaintia Hills	4	7.79
Total	49	116.45

Figure 1: Target vs granted

