

Calculation of Build Margin					
Sl.No.	Year of addition	Generating Station / Purchasing grid	Source	MW	Own Generation/Purchase for 2004-05 (MU)
1	2004	WREB	Grid		9.43
2	2004	Interstate generating Station	Hydro		262.74
3	2004	SREB	Grid		104.18
4	2004	ER-NTPC	Coal		93.44
5	2004	North Eastern REB	Grid		9.80
6	2004	Gangarel Hydro	Hydro	10	7.52
7	2004	JSPL expansion	Coal	55	255.68
8	2003	EREB	Grid		387.40
9	2003	Renewable sources	Renewable		25.14
10	2001	JSPL expansion	Coal	55	255.68
11	2000	NTPC Vindhyachal Unit VIII	Coal	500	498.39
12	1999	NTPC Vindhyachal Unit VII	Coal	500	
13	1999	JSPL expansion	Coal	55	255.68
14	1995	Kakrapara Nuclear Unit II	Nuclear	220	84.575
15	1995	Hasdeo Bango Unit III	Hydro	40	250.08
16	1994	Hasdeo Bango Unit III	Hydro	40	
Total Generation Considered					2499.739
Gross Generation					11894.820
20% of Gross Generation					2378.964
Coal based					1358.874
Gas Based					0.000
Hydro based					520.340
Nuclear Based					84.575
% of generation by coal out of total					54.361
% of generation by gas out of total					0.000
% of generation by hydro out of total					20.816
% of generation by nuclear out of total					3.383

Sl. No.	Year	Plant	Source	MW
17	1994	Hasdeo Bango Unit II	Hydro	40
18	1994	Hasdeo Bango Unit I	Hydro	40
19	Mar-1993	NTPC Kawas Unit VI	Gas	110.5
20	Feb-1993	NTPC Kawas Unit V	Gas	110.5
21	Aug-1992	NTPC Kawas Unit IV	Gas	106
22	Jun-1992	NTPC Kawas Unit III	Gas	106
23	May-1992	NTPC Kawas Unit II	Gas	106
24	Mar-1992	NTPC Kawas Unit I	Gas	106
25	1991	JSPL	Waste heat	40
26	Feb-1991	Vindhyachal Unit VI	Coal	210
27	Mar-1990	Vindhyachal Unit V	Coal	210
28	Dec-1989	Vindhyachal Unit IV	Coal	210
29	Mar-1989	NTPC - Korba Unit VI	Coal	500
30	Feb-1989	Vindhyachal Unit III	Coal	210
31	Jul-1988	Vindhyachal Unit II	Coal	210

32	Mar-1988	NTPC - Korba Unit V	Coal	500
33	Oct-1987	Vindhyachal Unit I	Coal	210
34	May-1987	NTPC - Korba Unit IV	Coal	500
35	Mar-1986	CSEB Korba West Unit IV	Coal	210
36	Mar-1985	CSEB Korba West Unit III	Coal	210
37	Mar-1984	NTPC - Korba Unit III	Coal	200
38	Mar-1984	CSEB Korba West Unit II	Coal	210
39	Oct-1983	NTPC - Korba Unit II	Coal	200
40	Aug-1983	CSEB - Korba West Unit I	Coal	210
41	Mar-1983	NTPC - Korba Unit I	Coal	200
42	Apr-1981	CSEB Korba East Unit VI	Coal	120
43	Apr-1976	CSEB Korba East Unit V	Coal	120
44	Oct-1968	CSEB Korba East Unit IV	Coal	50
45	Mar-1968	CSEB Korba East Unit III	Coal	50
46	May-1967	CSEB Korba East Unit II	Coal	50
47	Sep-1966	CSEB Korba East Unit I	Coal	50

Source for Commissioning / Addition of other Grid to CSEB Grid dates:

1	For NTPC plants see website - http://www.ntpc.co.in/aboutus/installed_capac.shtml
2	For CSEB plants see website - http://www.cseb-powerhub.com/generation.htm
3	For JSPL plants see - www.steelworld.com/cffeb02.htm and www.jindalsteelpower.com/Files/corporate-presentation.pdf
4	For Other grids see WREB Annual Report 2004-05