

Calculation of Built Margin

Sr.No.	Power plant name / location	Unit No.	Year of commissioning	Fuel Type	Generation of the Unit in 2003-2004
					(MU)
1	RTPS-VII	7	2003-2004	Coal	1504,33
2	NTPC-NVVN		2003-2004	National Generation Mix	112,88
3	IPP-Wind		2003-2004	Wind	178,56
4	IPP-Biomass		2003-2004	Biomass	13,4
5	IPP-Mini Hydel		2003-2004	Mini Hydel	9,67
6	IPP-Co-generation		2003-2004	Co-generation	1,67
7	NLC Expansion-I		2003-2004	Lignite	452,41
8	Almatti Dam Power House		2003-2004	Hydel	0,45
9	NTPC-Talcher 2&3	3	2003	Coal	835,85
10	IPP-Wind		2002-2003	Wind	18,47
11	IPP-Mini Hydel		2002-2003	Mini Hydel	2,35
12	IPP-Co-generation		2002-2003	Co-generation	27,59
13	Chakra		2002-2003	Hydel	455,38
14	PGCIL-SREB		2002-2003	National Generation Mix	1404,74
15	IPP-Wind		2001-2002	Wind	72,6
16	IPP-Biomass		2001-2002	Biomass	39,58
17	IPP-Mini Hydel		2001-2002	Mini Hydel	56,27
18	IPP-Co-generation		2001-2002	Co-generation	16,23
19	NTPC-ER		2001-2002	Coal	571,23
20	Taneer Bhavi Power Company		2001-2002	Naphtha	866,37
Total					6640,03
20% of Gross Generation					6144,48
Coal(State)					1504,33
Coal(Central)					1859,49
Diesel					0
Naphtha					866,37
Hydel(State)					455,83
IPP-Mini-Hydel					68,29
IPP-Wind					269,63
IPP-Biomass					52,98
IPP-Co-generation					45,49
Imports from National Generation Mix					1517,62

2000-2001				
Built Margin Fa	MU			%
Thermal Coal ba	6848,83			85,69
Thermal Coal ba	1042,04			13,04
Gas Based (Sta	0			0,00
Hydro (State)	101,75			1,27
Biomass	0,00			0,00
Nuclear (Centra	0			0,00
Total	7992,61			100,00
Emission factor	96,10			
Emission factor	56,10			
Avg. efficiency of power generation with coal as a fuel, %				32,00
Avg. efficiency of power generation with gas as a fuel, %				45,00
Net emission factor for thermal (Coal)				94,88
Net emission factor for thermal (Gas)				0,00
Net Build margin factor (Kg CO2/kWh)				1,07