

**Commissioning Dates**

<b>Power Plants</b>	<b>Capacity</b>	<b>Date of Commissioning</b>	<b>Source/ Comments</b>
<b>Gujarat</b>			
<b>Hydro</b>			
Ukai Unit-I	75	8-Jul-74	<a href="http://www.gseb.com/uh.php?PowerStationID=1">http://www.gseb.com/uh.php?PowerStationID=1</a>
Ukai Unit-II	75	13-Dec-74	
Ukai Unit-III	75	22-Apr-75	
Ukai Unit-IV	75	4-Mar-76	
Ukai Unit-V	2.5	8-Dec-87	
Ukai Unit-VI	2.5	19-Feb-88	
Ukai (LBCH)	5	1987-1988	<a href="http://www.cea.nic.in/opt1_design_engg_hydro.pdf">http://www.cea.nic.in/opt1_design_engg_hydro.pdf</a>
Kadana Unit-I	60	31/3/1990	<a href="http://www.gseb.com/uh.php?PowerStationID=8">http://www.gseb.com/uh.php?PowerStationID=8</a>
Kadana Unit-II	60	9/1/1990	
Kadana Unit-III	60	1/2/1998	
Kadana Unit-IV	60	27/5/1998	
Kadana Unit-V	1	24/3/1994	
Kadana Unit-VI	1	31/3/1994	
Panam Canal Unit-1	1	24/3/1994	<a href="http://www.gseb.com/gerc_index.htm">http://www.gseb.com/gerc_index.htm</a>
Panam Canal Unit-2	1	31/3/1994	(Petition for Aggregate Revenue Requirement for the
Sardar Sarovar RBPH Unit-I	200	1/2/2005	<a href="#">WREB Annual Report (2004-2005) Annex-VII (16% of 450MW)</a>
Sardar Sarovar CHPH Unit-I	50	4/10/2004	
Sardar Sarovar CHPH Unit-II	50	16/8/2004	
Sardar Sarovar CHPH Unit-III	50	31/8/2004	
Sardar Sarovar CHPH Unit-IV	50	3/5/2004	
Sardar Sarovar CHPH Unit-V	50	15/12/2004	
<b>Gas</b>			
Dhuvaran GT-1	27	27/5/1970	<a href="http://www.cea.nic.in/opm/anu0001/SEC10.pdf">http://www.cea.nic.in/opm/anu0001/SEC10.pdf</a>
Dhuvaran GT-2	27	10/8/1970	CEA General Review (2005):Table No. 2.7
Dhuvaran CCCP GT	67.85	4/6/2003	
Dhuvaran CCCP ST	38.77	22/9/2003	<a href="http://www.gseb.com/uh.php?PowerStationID=7">http://www.gseb.com/uh.php?PowerStationID=7</a>
Utran Unit-1	30	17/12/1992	
Utran Unit-2	30	28/12/1992	
Utran Unit-3	30	7/5/1992	
Utran Unit-4	45	17/7/1993	
Hazira CCGP - GSEL Surat	52	30/9/2001	
Hazira CCGP - GSEL Surat	52	16/10/2001	
Hazira CCGP - GSEL Surat	52.1	31/3/2002	
<b>Gas (Private Sector)</b>			
AE Co. Gas (Vatwa)	116	1991	<a href="http://www.tce.co.in/brochures/Ccpp/ccppa4.pdf">http://www.tce.co.in/brochures/Ccpp/ccppa4.pdf</a>
GIPCL	145	Feb-92	<a href="http://www.gipcl.com/">http://www.gipcl.com/</a>
GIPCL	160	Nov-97	
Essar Gas	515 (300 MW to GEB)	1997	<a href="http://www.essar.com/power/plants.htm">http://www.essar.com/power/plants.htm</a>
GPEC	655	1998	<a href="http://www.clpgroup.com/NR/exeres/73212876-BBCA-488D-AB51-12AE87E80EEE%2C4C80FCB8-AA49-46F4-ADDE-FA8D616C2A12%2Cframeless.htm?ch=%5FCLPPA%5FAsiaPacific%5F&amp;lang=en">http://www.clpgroup.com/NR/exeres/73212876-BBCA-488D-AB51-12AE87E80EEE%2C4C80FCB8-AA49-46F4-ADDE-FA8D616C2A12%2Cframeless.htm?ch=%5FCLPPA%5FAsiaPacific%5F&amp;lang=en</a>
<b>Gas (Central Sector)</b>			
Central	424		<a href="#">Considered Below</a>
<b>Coal</b>			
Dhuvaran Unit-1	63.5	12/7/1965	<a href="http://www.gseb.com/uh.php?PowerStationID=2">http://www.gseb.com/uh.php?PowerStationID=2</a>
Dhuvaran Unit-2	63.5	29/4/1965	
Dhuvaran Unit-3	63.5	17/2/1965	
Dhuvaran Unit-4	63.5	17/12/1964	
Dhuvaran Unit-5	140	27/5/1972	
Dhuvaran Unit-6	140	10/9/1972	
Ukai Unit-1	120	29/3/1976	

Ukai Unit-2	120	23/6/1976	
Ukai Unit-3	200	21/11/1979	<a href="http://www.gseb.com/uh.php?PowerStationID=9">http://www.gseb.com/uh.php?PowerStationID=9</a>
Ukai Unit-4	200	9/11/1979	
Ukai Unit-5	210	30/1/1985	
Gandhinagar Unit-1	120	13/3/1977	
Gandhinagar Unit-2	120	10/4/1977	
Gandhinagar Unit-3	210	2/3/1990	<a href="http://www.gseb.com/uh.php?PowerStationID=3">http://www.gseb.com/uh.php?PowerStationID=3</a>
Gandhinagar Unit-4	210	20/7/1991	
Gandhinagar Unit-5	210	17/3/1998	
Wanakbori Unit-1	210	23/3/1982	
Wanakbori Unit-2	210	15/1/1983	
Wanakbori Unit-3	210	15/3/1984	
Wanakbori Unit-4	210	3/9/1986	<a href="http://www.gseb.com/uh.php?PowerStationID=4">http://www.gseb.com/uh.php?PowerStationID=4</a>
Wanakbori Unit-5	210	23/9/1986	
Wanakbori Unit-6	210	18/11/1987	
Wanakbori Unit-7	210	31/12/1998	
Sikka Unit-1	120	26/3/1988	<a href="http://www.gseb.com/uh.php?PowerStationID=5">http://www.gseb.com/uh.php?PowerStationID=5</a>
Sikka Unit-2	120	31/3/1993	
Kutch Lignite Unit-1	70	29/3/1990	
Kutch Lignite Unit-2	70	25/3/1991	<a href="http://www.gseb.com/uh.php?PowerStationID=6">http://www.gseb.com/uh.php?PowerStationID=6</a>
Kutch Lignite Unit-3	75	31/3/1997	
Akrimota Lignite	125	31/3/2005	WREB Annual Report (2004-2005): Annex-VII
<b>Coal (Private Sector)</b>			
Gujarat electric Co.			It includes Wanakbori Unit-7 and Gandhinagar Unit-5 which have already been considered above
AE Co. Sabarmati	2x3.75	1934	
AE Co. Sabarmati (C-1 Station)	4x15	1954-1958	
AE Co. Sabarmati (D Station)	110	1979	<a href="http://www.torrentpower.com/investors/inv_cp_hd.php">http://www.torrentpower.com/investors/inv_cp_hd.php</a>
AE Co. Sabarmati (E Station)	110	1985	
AE Co. Sabarmati (F Station)	110	1988	
GIPCL-Surat Lignite	250	Nov-99	<a href="http://www.gjpccl.com/">http://www.gjpccl.com/</a>
<b>Coal (Central Sector)</b>			
Central	829		<a href="#">Considered Below</a>
<b>Nuclear (Central Sector)</b>			
Central	285		<a href="#">Considered Below</a>
<b>Diesel</b>			
Diesel Power	17.48		<a href="#">No generation from diesel in 2004-2005, hence need not to be considered for BM calculation</a>
<b>Wind</b>			
Wind Power	236.67		<a href="#">No generation from diesel in 2004-2005, hence need not to be considered for BM calculation</a>

Power Plants	Capacity	Date of Commissioning	Source/ Comments
<b>Madhya Pradesh</b>			
<b>Hydro</b>			
Gandhisagar Unit-1	5x23=115 (50%)	19/11/1960	<a href="http://www.mperc.org/mppower1.html">http://www.mperc.org/mppower1.html</a>
Gandhisagar Unit-2		19/11/1960	
Gandhisagar Unit-3		19/11/1960	
Gandhisagar Unit-4		19/8/1963	
Gandhisagar Unit-5		3/11/1966	
R.P.Sagar	4x43=172 (50%)		Being low-cost power generation sources, these plants are considered for BM calculation to arrive at a conservative value of BM
Jawahar Sagar	3x33=99 (50%)		
Pench Unit-1	80	9/9/1986	<a href="http://www.mperc.org/mppower1.html">http://www.mperc.org/mppower1.html</a>
Pench Unit-2	80	9/3/1987	
Bargi Unit-1	45	3/6/1988	<a href="http://www.mperc.org/mppower1.html">http://www.mperc.org/mppower1.html</a>
Bargi Unit-2	45	29/11/1992	
Birsinghpur	20	1/11/1991	<a href="http://www.mperc.org/mppower1.html">http://www.mperc.org/mppower1.html</a>

Bansagar Tons (Stage-I) Unit-1	105	27/9/1991	<a href="http://www.mperc.org/mppower1.html">http://www.mperc.org/mppower1.html</a>
Bansagar Tons (Stage-I) Unit-2	105	3/9/1992	
Bansagar Tons (Stage-I) Unit-3	105	3/8/1992	
Bansagar (Stage-II) Unit-1	15	28/8/2002	
Bansagar (Stage-II) Unit-2	15	1/9/2002	
Bansagar (Stage-III) Unit-1	20	18/7/2001	
Bansagar (Stage-III) Unit-2	20	25/8/2001	
Bansagar (Stage-III) Unit-3	20	2/9/2002	
Rajghat Unit-1	15 (50%)	15/10/1999	
Rajghat Unit-2	15 (50%)	29/9/1999	
Rajghat Unit-3	15 (50%)	3/11/1999	
Sardar Sarovar RBPH Unit-I	200	1/2/2005	<a href="#">WREB Annual Report (2004-2005) Annex-VII</a>
Sardar Sarovar CHPH Unit-I	50	4/10/2004	
Sardar Sarovar CHPH Unit-II	50	16/8/2004	
Sardar Sarovar CHPH Unit-III	50	31/8/2004	
Sardar Sarovar CHPH Unit-IV	50	3/5/2004	
Sardar Sarovar CHPH Unit-V	50	15/12/2004	
<b>Mini-Micro Hydro</b>			
Morand Unit-1	0.335	31/3/1990	<a href="http://www.mperc.org/mppower1.html">http://www.mperc.org/mppower1.html</a>
Morand Unit-2	0.335	9/12/1990	
Morand Unit-3	0.335	28/3/1991	
Satpura Unit-1	0.5	9/2/1996	
Satpura Unit-2	0.5	9/2/1997	
Tilwara	0.25	2/1/1997	
Chargaon	0.8	7/2/1997	
Bhimgarh Unit-1	1.2	17/2/1998	
Bhimgarh Unit-2	1.2	10/3/1998	
<b>Hydro (Central)</b>			
Indira Sagar Unit-1	125	1/1/2004	CEA General Review (2005):Table No. 2.7
Indira Sagar Unit-2	125	18/1/2004	
Indira Sagar Unit-3	125	27/2/2004	
Indira Sagar Unit-4	125	28/3/2004	<a href="#">WREB Annual Report (2004-2005): Annex-VII</a>
Indira Sagar Unit-5	125	23/7/2004	
Indira Sagar Unit-6	125	29/12/2004	
Indira Sagar Unit-7	125	27/10/2004	
Indira Sagar Unit-8	125	23/3/2005	
<b>Gas</b>			
State Sector	0		
Central Sector	257		<a href="#">Considered Below</a>
<b>Coal</b>			
Amarkantak Unit-I	30	1/2/1965	<a href="http://www.mperc.org/mppower1.html">http://www.mperc.org/mppower1.html</a>
Amarkantak Unit-II	20	8/2/1965	
Amarkantak Unit-III	120	23/11/1977	
Amarkantak Unit-IV	120	16/5/1978	
Satpura Unit-I	62.5	6/10/1967	<a href="http://www.mperc.org/mppower1.html">http://www.mperc.org/mppower1.html</a>
Satpura Unit-II	62.5	21/3/1968	
Satpura Unit-III	62.5	14/5/1968	
Satpura Unit-IV	62.5	10/7/1968	
Satpura Unit-V	62.5	17/4/1970	
Satpura Unit-VI	200	1/7/1979	
Satpura Unit-VII	210	20/9/1980	
Satpura Unit-VIII	210	25/1/1983	
Satpura Unit-IX	210	7/2/1984	
Sanjay Gandhi Unit-I	210	26/3/1993	<a href="http://www.mperc.org/mppower1.html">http://www.mperc.org/mppower1.html</a>
Sanjay Gandhi Unit-II	210	27/3/1994	
Sanjay Gandhi Unit-III	210	28/2/1999	
Sanjay Gandhi Unit-IV	210	23/11/1999	

<b>Coal (Private Sector)</b>			
Nil	0		
<b>Coal (Central Sector)</b>			
Central	1058		<a href="#">Considered Below</a>
<b>Nuclear (Central Sector)</b>			
Central	93		<a href="#">Considered Below</a>
<b>Diesel</b>			
Diesel Power	0		
<b>Wind</b>			
Wind Power	35.61		<a href="#">No generation from diesel in 2004-2005, hence need not to be considered for BM calculation</a>

Power Plants	Capacity	Date of Commissioning	Source/ Comments
<b>Chattisgarh</b>			
<b>Hydro</b>			
Hasdeo Bango Unit-1	40	21/3/1994	<a href="http://www.cseb-powerhub.com/generation.htm">http://www.cseb-powerhub.com/generation.htm</a>
Hasdeo Bango Unit-2	40	21/11/1994	
Hasdeo Bango Unit-3	40	11/1/1995	
Gangrel Unit-1	2.5	2/4/2004	<a href="http://www.cseb-powerhub.com/generation.htm">http://www.cseb-powerhub.com/generation.htm</a>
Gangrel Unit-2	2.5	29/6/2004	
Gangrel Unit-3	2.5	17/10/2004	
Gangrel Unit-4	2.5	5/11/2004	
<b>Gas</b>			
State	0		
Central	0		
<b>Coal</b>			
Korba (E) Power House-II Unit-1	50	5/9/1966	<a href="http://www.cseb-powerhub.com/generation.htm">http://www.cseb-powerhub.com/generation.htm</a>
Korba (E) Power House-II Unit-2	50	16/5/1967	
Korba (E) Power House-II Unit-3	50	23/3/1968	
Korba (E) Power House-II Unit-4	50	31/10/1968	
Korba (E) Power House-III Unit-5	120	27/4/1976	
Korba (E) Power House-III Unit-6	120	5/4/1981	
Korba (W) Power House-I Unit-1	210	21/8/1983	<a href="http://www.cseb-powerhub.com/generation.htm">http://www.cseb-powerhub.com/generation.htm</a>
Korba (W) Power House-I Unit-2	210	31/3/1984	
Korba (W) Power House-II Unit-3	210	28/3/1985	
Korba (W) Power House-II Unit-4	210	13/3/1986	
<b>Coal (Private Sector)</b>			
Nil	0		
<b>Coal (Central Sector)</b>			
Central	210		<a href="#">Considered Below</a>
<b>Nuclear (Central Sector)</b>			
Central	0		
<b>Diesel</b>			
Diesel Power	0		
<b>Wind</b>			
Wind Power	11.51		<a href="#">No generation from diesel in 2004-2005, hence need not to be considered for BM calculation</a>

Power Plants	Capacity	Date of Commissioning	Source/ Comments
<b>Maharashtra</b>			
<b>Hydro</b>			
Koyna Stage-I Unit-1	70	16/5/1962	<a href="http://www.mahagenco.in/genstats/gg99.shtm">http://www.mahagenco.in/genstats/gg99.shtm</a>
Koyna Stage-I Unit-2	70	2/6/1962	
Koyna Stage-I Unit-3	70	28/1/1963	
Koyna Stage-I Unit-4	70	29/2/1963	<a href="http://www.mahagenco.in/genstats/gg99.shtm">http://www.mahagenco.in/genstats/gg99.shtm</a>
Koyna Stage-II Unit-1	80	30/6/1967	
Koyna Stage-II Unit-2	80	28/11/1966	
Koyna Stage-II Unit-3	80	22/8/1966	
Koyna Stage-II Unit-4	80	23/3/1966	<a href="http://www.mahagenco.in/genstats/gg99.shtm">http://www.mahagenco.in/genstats/gg99.shtm</a>
Koyna Stage-III Unit-1	80	6/7/1975	
Koyna Stage-III Unit-2	80	11/1/1976	
Koyna Stage-III Unit-3	80	8/6/1977	
Koyna Stage-III Unit-4	80	2/10/1978	<a href="http://www.mahagenco.in/genstats/gg99.shtm">http://www.mahagenco.in/genstats/gg99.shtm</a>
Koyna Stage-IV Unit-1	250	20/6/1999	
Koyna Stage-IV Unit-2	250	25/11/1999	
Koyna Stage-IV Unit-3	250	3/3/2000	
Koyna Stage-IV Unit-4	250	3/5/2000	<a href="http://www.mahagenco.in/genstats/gg99.shtm">http://www.mahagenco.in/genstats/gg99.shtm</a>
Koyna-DPH Unit-1	20	3/10/1980	
Koyna-DPH Unit-2	20	16/3/1981	<a href="http://www.mahagenco.in/genstats/gg99.shtm">http://www.mahagenco.in/genstats/gg99.shtm</a>
Vaitarna	60	26/6/1976	<a href="http://www.mahagenco.in/genstats/gg98.shtm">http://www.mahagenco.in/genstats/gg98.shtm</a>
Vaitarna Dam Toe	1.5	21/9/1987	<a href="http://www.mahagenco.in/genstats/gg98.shtm">http://www.mahagenco.in/genstats/gg98.shtm</a>
Bhira-TR Unit-1	40	13/9/1987	<a href="http://www.mahagenco.in/genstats/gg100.shtm">http://www.mahagenco.in/genstats/gg100.shtm</a>
Bhira-TR Unit-2	40	29/3/1988	
Eldari Unit-1	7.5	16/6/1968	<a href="http://www.mahagenco.in/genstats/gg100.shtm">http://www.mahagenco.in/genstats/gg100.shtm</a>
Eldari Unit-2	7.5	10/5/1968	
Eldari Unit-3	7.5	20/3/1968	
Vir Unit-1	4.5	20/2/1975	<a href="http://www.mahagenco.in/genstats/gg99.shtm">http://www.mahagenco.in/genstats/gg99.shtm</a>
Vir Unit-2	4.5	17/2/1975	
Bhatghar	16	2/8/1977	<a href="http://www.mahagenco.in/genstats/gg99.shtm">http://www.mahagenco.in/genstats/gg99.shtm</a>
Tilari	60	10/10/1986	<a href="http://www.mahagenco.in/genstats/gg100.shtm">http://www.mahagenco.in/genstats/gg100.shtm</a>
Radhanagari	4x1.2=4.8	1952	<a href="http://www.mahagenco.in/genstats/gg100.shtm">http://www.mahagenco.in/genstats/gg100.shtm</a>
Bhandardara Stage-I	10	27/3/1986	<a href="http://www.mahagenco.in/genstats/gg99.shtm">http://www.mahagenco.in/genstats/gg99.shtm</a>
Bhandardara Stage-II	34	19/5/1999	<a href="http://www.mahagenco.in/genstats/gg100.shtm">http://www.mahagenco.in/genstats/gg100.shtm</a>
Pawana	10	11/6/1988	<a href="http://www.mahagenco.in/genstats/gg99.shtm">http://www.mahagenco.in/genstats/gg99.shtm</a>
Bhatsa	15	28/9/1991	<a href="http://www.mahagenco.in/genstats/gg99.shtm">http://www.mahagenco.in/genstats/gg99.shtm</a>
Dhom Unit-1	1	13/3/1992	<a href="http://www.mahagenco.in/genstats/gg100.shtm">http://www.mahagenco.in/genstats/gg100.shtm</a>
Dhom Unit-2	1	31/3/1992	
Kanhar	4	18/8/1991	<a href="http://www.mahagenco.in/genstats/gg100.shtm">http://www.mahagenco.in/genstats/gg100.shtm</a>
Manikdoh	6	9/2/1998	<a href="http://www.mahagenco.in/genstats/gg100.shtm">http://www.mahagenco.in/genstats/gg100.shtm</a>
Ujjani	12	2/5/1994	<a href="http://www.mahagenco.in/genstats/gg100.shtm">http://www.mahagenco.in/genstats/gg100.shtm</a>
Paithan	12	1/11/1984	<a href="http://www.mahagenco.in/genstats/gg100.shtm">http://www.mahagenco.in/genstats/gg100.shtm</a>
Pench Unit-1 (33.33% Share)	80	9/9/1986	<a href="http://www.mahagenco.in/genstats/gg100.shtm">http://www.mahagenco.in/genstats/gg100.shtm</a>
Pench Unit-2 (33.33% Share)	80	9/3/1987	
Surya	6	1/1/1999	<a href="http://www.mahagenco.in/genstats/gg100.shtm">http://www.mahagenco.in/genstats/gg100.shtm</a>
Surya CDPH	0.75	4/6/1999	<a href="http://www.mahagenco.in/genstats/gg100.shtm">http://www.mahagenco.in/genstats/gg100.shtm</a>
Dimbhe	5	17/10/1998	<a href="http://www.mahagenco.in/genstats/gg100.shtm">http://www.mahagenco.in/genstats/gg100.shtm</a>
Panshet	8	31/3/1991	<a href="http://www.mahagenco.in/genstats/gg99.shtm">http://www.mahagenco.in/genstats/gg99.shtm</a>
Varasgaon	8	21/8/1991	<a href="http://www.mahagenco.in/genstats/gg100.shtm">http://www.mahagenco.in/genstats/gg100.shtm</a>
Warna Unit-1	8	16/9/1998	<a href="http://www.mahagenco.in/genstats/gg100.shtm">http://www.mahagenco.in/genstats/gg100.shtm</a>
Warna Unit-2	8	1/9/1999	
Dudhganga Unit-1	12	27/2/2001	<a href="http://www.mahagenco.in/genstats/gg100.shtm">http://www.mahagenco.in/genstats/gg100.shtm</a>
Dudhganga Unit-2	12	31/3/2000	
Terwanmedhe	0.2	31/3/1999	<a href="http://www.mahagenco.in/genstats/gg100.shtm">http://www.mahagenco.in/genstats/gg100.shtm</a>
Yeoteshwar	0.08		Being low-cost power generation sources, these plants are considered for BM claculation to arrive at a conservative value of BM

Sardar Sarovar RBPH Unit-I	200	1/2/2005	<a href="#">WREB Annual Report (2004-2005) Annex-VII (27% of 450MW)</a>
Sardar Sarovar CHPH Unit-I	50	4/10/2004	
Sardar Sarovar CHPH Unit-II	50	16/8/2004	
Sardar Sarovar CHPH Unit-III	50	31/8/2004	
Sardar Sarovar CHPH Unit-IV	50	3/5/2004	
Sardar Sarovar CHPH Unit-V	50	15/12/2004	
Majalgaon Unit-1	0.75	1/1/2002	<a href="http://www.mahagenco.in/genstats/gg100.shtm">http://www.mahagenco.in/genstats/gg100.shtm</a>
Majalgaon Unit-2	0.75	1/1/2002	
Majalgaon Unit-3	0.75	1/1/2002	
Karanjavan	3	26/10/2001	<a href="http://www.mahagenco.in/genstats/gg100.shtm">http://www.mahagenco.in/genstats/gg100.shtm</a>
<b>Hydro (Private Sector)</b>			
Tata (H) Bhira Unit-1 to 6	150	1922	<a href="http://www.mahagenco.in/genstats/gg98.shtm">http://www.mahagenco.in/genstats/gg98.shtm</a>
Tata (H) Bhivpuri Unit-1 to 6	72	1925	
Tata (H) Khopoli Unit-1 to 6	72	1927 (5 Units) 1952 (1 Unit)	
Tata (H) Bhira PSU	150	1997	
<b>Gas</b>			
Uran Unit-1	60	20/2/1982	<a href="http://www.mahagenco.in/genstats/gg98.shtm">http://www.mahagenco.in/genstats/gg98.shtm</a>
Uran Unit-2	60	29/3/1982	
Uran Unit-3	60	26/5/1982	
Uran Unit-4	60	21/7/1982	
Uran Unit-5	108	10/10/1985	
Uran Unit-6	108	2/8/1985	
Uran Unit-7	108	17/6/1985	
Uran Unit-8	108	15/1/1986	
Uran WHR Unit-1	120	16/3/1994	<a href="http://www.mahagenco.in/genstats/gg98.shtm">http://www.mahagenco.in/genstats/gg98.shtm</a>
Uran WHR Unit-2	120	28/10/1994	
<b>Gas (Private Sector)</b>			
Trombay			Not a low-cost power generation source, hence not considered for BM calculation to be on a conservative side
Dhabol	740	13/5/1999	<a href="http://www.mahagenco.in/genstats/gg98.shtm">http://www.mahagenco.in/genstats/gg98.shtm</a>
<b>Gas (Central Sector)</b>			
Central	404		<a href="#">Considered Below</a>
<b>Coal</b>			
Nasik Unit-1	140	16/8/1970	<a href="http://www.mahagenco.in/genstats/gg98.shtm">http://www.mahagenco.in/genstats/gg98.shtm</a>
Nasik Unit-2	140	21/3/1972	
Nasik Unit-3	210	26/4/1979	
Nasik Unit-4	210	10/7/1980	
Nasik Unit-5	210	30/1/1981	
Koradi Unit-1	120	3/6/1974	<a href="http://www.mahagenco.in/genstats/gg98.shtm">http://www.mahagenco.in/genstats/gg98.shtm</a>
Koradi Unit-2	120	24/3/1975	
Koradi Unit-3	120	3/3/1976	
Koradi Unit-4	120	22/7/1976	
Koradi Unit-5	200	15/7/1978	
Koradi Unit-6	210	30/3/1982	
Koradi Unit-7	210	13/1/1983	
Bhusawal Unit-1	62.5	17/7/1966	<a href="http://www.mahagenco.in/genstats/gg98.shtm">http://www.mahagenco.in/genstats/gg98.shtm</a>
Bhusawal Unit-2	210	30/8/1979	
Bhusawal Unit-3	210	4/5/1982	
Parli Unit-1	30	15/11/1971	<a href="http://www.mahagenco.in/genstats/gg98.shtm">http://www.mahagenco.in/genstats/gg98.shtm</a>
Parli Unit-2	30	17/6/1972	
Parli Unit-3	210	10/10/1980	
Parli Unit-4	210	26/3/1985	
Parli Unit-5	210	31/12/1987	
Khaparkheda Unit-1	210	26/3/1989	<a href="http://www.mahagenco.in/genstats/gg98.shtm">http://www.mahagenco.in/genstats/gg98.shtm</a>
Khaparkheda Unit-2	210	8/1/1990	
Khaparkheda Unit-3	210	31/5/2000	
Khaparkheda Unit-4	210	7/1/2001	

Chandrapur Unit-1	210	15/8/1983	<a href="http://www.mahagenco.in/genstats/gg98.shtm">http://www.mahagenco.in/genstats/gg98.shtm</a>
Chandrapur Unit-2	210	11/7/1984	
Chandrapur Unit-3	210	3/5/1985	
Chandrapur Unit-4	210	8/3/1986	
Chandrapur Unit-5	500	22/3/1991	
Chandrapur Unit-6	500	11/3/1992	
Chandrapur Unit-7	500	1/10/1997	
Paras	62.5	25/5/1967	<a href="http://www.mahagenco.in/genstats/gg98.shtm">http://www.mahagenco.in/genstats/gg98.shtm</a>
<b>Coal (Private Sector)</b>			
Dahanu (BSES) Unit-1	250	6/1/1995	<a href="http://www.mahagenco.in/genstats/gg98.shtm">http://www.mahagenco.in/genstats/gg98.shtm</a>
Dahanu (BSES) Unit-2	250	29/3/1995	
Trombay TPC			Not a low-cost power generation source, hence not considered for BM calculation to be on a conservative side
<b>Coal (Central Sector)</b>			
Central	1339		<a href="#">Considered Below</a>
<b>Nuclear (Central Sector)</b>			
Central	312		<a href="#">Considered Below</a>
<b>Diesel</b>			
Diesel Power	0		
<b>Wind</b>			
Wind Power	452.92		<a href="#">No generation from diesel in 2004-2005, hence need not to be considered for BM calculation</a>

Power Plants	Capacity	Date of Commissioning	Source/ Comments
<b>Goa</b>			
<b>Hydro</b>			
Aravelam	0.05		Being a low-cost power generation source, this plant is considered for BM calculation to arrive at a conservative value of BM
<b>Gas (Private Sector)</b>			
Reliance Salgaonkar	48	14/8/1999	<a href="http://www.rel.co.in/aboutus/GoaPower.asp">http://www.rel.co.in/aboutus/GoaPower.asp</a>
<b>Gas (Central Sector)</b>			
Central	0		
<b>Coal</b>			
State	0		
<b>Coal (Private Sector)</b>			
Private Sector	0		
<b>Coal (Central Sector)</b>			
Central	332		<a href="#">Considered Below</a>
<b>Nuclear (Central Sector)</b>			
Central	0		
<b>Diesel</b>			
Diesel Power	0		
<b>Wind</b>			
Wind Power	0.02		<a href="#">No generation from diesel in 2004-2005, hence need not to be considered for BM calculation</a>

Power Plants	Capacity	Date of Commissioning	Source/ Comments
<b>Daman &amp; Diu</b>			
<b>Hydro</b>			
Nil	0		
<b>Gas</b>			
Nil	0		
<b>Gas (Central Sector)</b>			
Central	4		<a href="#">Considered Below</a>
<b>Coal</b>			
State	0		
<b>Coal (Private Sector)</b>			
Private Sector	0		
<b>Coal (Central Sector)</b>			
Central	13		<a href="#">Considered Below</a>
<b>Nuclear (Central Sector)</b>			
Central	2		<a href="#">Considered Below</a>
<b>Diesel</b>			
Diesel Power	0		
<b>Wind</b>			
Wind Power	0		

Power Plants	Capacity	Date of Commissioning	Source/ Comments
<b>Dadra &amp; Nagar haveli</b>			
<b>Hydro</b>			
Nil	0		
<b>Gas</b>			
Nil	0		
<b>Gas (Central Sector)</b>			
Central	27		<a href="#">Considered Below</a>
<b>Coal</b>			
State	0		
<b>Coal (Private Sector)</b>			
Private Sector	0		
<b>Coal (Central Sector)</b>			
Central	29		<a href="#">Considered Below</a>
<b>Nuclear (Central Sector)</b>			
Central	2		<a href="#">Considered Below</a>
<b>Diesel</b>			
Diesel Power	0		
<b>Wind</b>			
Wind Power	0		

Power Plants	Capacity	Date of Commissioning	Source/ Comments
<b>Central Sector Unallocated Power</b>			
Hydro	0		
Coal	650		<a href="#">Considered Below</a>
Gas	197.59		<a href="#">Considered Below</a>
Nuclear	66		<a href="#">Considered Below</a>



Power Plants	Capacity	Date of Commissioning	Source/ Comments
<b>Central Sector</b>			
<b>Gas</b>			
Kawas GPS Unit-I	106	Mar-92	<a href="http://www.ntpc.co.in/powerplants/ntpc_pw_kawas.shtml">http://www.ntpc.co.in/powerplants/ntpc_pw_kawas.shtml</a>
Kawas GPS Unit-II	106	May-92	
Kawas GPS Unit-III	106	Jun-92	
Kawas GPS Unit-IV	106	Aug-92	
Kawas GPS Unit-V	110.5	Feb-93	
Kawas GPS Unit-VI	110.5	Mar-93	
Gandhar GPS Unit-I	131	Mar-94	<a href="http://www.ntpc.co.in/powerplants/ntpc_pw_Jhanor.shtml">http://www.ntpc.co.in/powerplants/ntpc_pw_Jhanor.shtml</a>
Gandhar GPS Unit-II	131	Mar-94	
Gandhar GPS Unit-III	131	May-92	
Gandhar GPS Unit-IV	255	Mar-95	
<b>Coal</b>			
Korba STPS Unit-I	200	Mar-83	<a href="http://www.ntpc.co.in/powerplants/ntpc_pw_korba.shtml">http://www.ntpc.co.in/powerplants/ntpc_pw_korba.shtml</a>
Korba STPS Unit-II	200	Oct-83	
Korba STPS Unit-III	200	Mar-84	
Korba STPS Unit-IV	500	May-87	
Korba STPS Unit-V	500	Mar-88	
Korba STPS Unit-VI	500	Mar-89	
Vindhyachal STPS Unit-I	210	Oct-87	<a href="http://www.ntpc.co.in/powerplants/ntpc_pw_vindhyachal.shtml">http://www.ntpc.co.in/powerplants/ntpc_pw_vindhyachal.shtml</a>
Vindhyachal STPS Unit-II	210	Jul-88	
Vindhyachal STPS Unit-III	210	Feb-89	
Vindhyachal STPS Unit-IV	210	Dec-89	
Vindhyachal STPS Unit-V	210	Mar-90	
Vindhyachal STPS Unit-VI	210	Feb-91	
Vindhyachal STPS Unit-VII	500	Mar-99	
Vindhyachal STPS Unit-VIII	500	Feb-00	
<b>Nuclear</b>			
Tarapur Unit-1	160	1969	<a href="http://www.dae.gov.in/taps.htm">http://www.dae.gov.in/taps.htm</a>
Tarapur Unit-2	160	1969	
Kakrapar Unit-1	220	1993	<a href="http://www.dae.gov.in/kapp.htm">http://www.dae.gov.in/kapp.htm</a>
Kakrapar Unit-2	220	1995	

**Generation Details in the Western Region for the year 2002-2003**

State	Fuel	Gross MU Generated	Auxiliary Consumption (MU)	Net MU Generated	Source
		2002-2003	2002-2003	2002-2003	
<b>Gujarat</b>					
<b>State Electricity Boards</b>					
Thermal	Coal	22051.81			CEA General Review (2002-2003) : Table No. 3.5
Thermal	Diesel	0.00			
Thermal	Gas	211.90			
Hydro	Hydro	588.45			
Wind	Wind	0.00			
<b>Electricity Departments/ Govt. Undertakings/ Municipalities</b>					
Thermal	Coal	3398.00			CEA General Review (2002-2003) : Table No. 3.6
Thermal	Diesel	0.00			
Thermal	Gas	1826.10			
Hydro	Hydro	0.00			
Wind	Wind	0.00			
Nuclear	Nuclear	0.00			
<b>Private Generating Stations</b>					
Thermal	Coal	5072.42			CEA General Review (2002-2003) : Table No. 3.6
Thermal	Diesel	0.00			
Thermal	Gas	3786.31			
Hydro	Hydro	0.00			
Wind	Wind	179.366			
<b>Non-Utilities</b>					
Self Generating Industries	Low Cost (Assumed for conservative estimate)			1452.00	CEA General Review (2002-2003) : Table No. 5.3
<b>Total Thermal</b>	<b>Coal</b>	<b>30522.23</b>	<b>3029.67</b>	<b>27492.56</b>	For Auxiliary Consumption: CEA General Review (2002-2003) : Table No. 5.6
<b>Total Thermal</b>	<b>Diesel</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
<b>Total Thermal</b>	<b>Gas</b>	<b>5824.31</b>	<b>117.97</b>	<b>5706.34</b>	
<b>Total Hydro</b>	<b>Hydro</b>	<b>588.45</b>	<b>7.14</b>	<b>581.31</b>	
<b>Total Wind</b>	<b>Wind</b>	<b>179.37</b>	<b>0.00</b>	<b>179.37</b>	
<b>Total Nuclear</b>	<b>Nuclear</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
<b>Total from Non-Utilities</b>	<b>Low Cost (Assumed for conservative estimate)</b>			<b>1452.00</b>	
<b>Madhya Pradesh</b>					
<b>State Electricity Boards</b>					
Thermal	Coal	13680.86			CEA General Review (2002-2003) : Table No. 3.5
Thermal	Diesel	0.00			
Thermal	Gas	0.00			
Hydro	Hydro	1771.34			
Wind	Wind	0.00			
<b>Electricity Departments/ Govt. Undertakings/ Municipalities</b>					
Thermal	Coal	0.00			CEA General Review (2002-2003) : Table No. 3.6
Thermal	Diesel	0.00			
Thermal	Gas	0.00			
Hydro	Hydro	0.00			
Wind	Wind	0.00			
Nuclear	Nuclear	0.00			
<b>Private Generating Stations</b>					
Thermal	Coal	0.00			CEA General Review (2002-2003) : Table No. 3.6
Thermal	Diesel	0.00			
Thermal	Gas	0.00			
Hydro	Hydro	0.00			
Wind	Wind	32.52			

<b>Non-Utilities</b>					
Self Generating Industries	Low Cost (Assumed for conservative estimate)			0.00	CEA General Review (2002-2003) : Table No. 5.3
<b>Total Thermal</b>	<b>Coal</b>	13680.86	1314.99	<b>12365.87</b>	For Auxiliary Consumption: CEA General Review (2002-2003) : Table No. 5.6
<b>Total Thermal</b>	<b>Diesel</b>	0.00	0.00	<b>0.00</b>	
<b>Total Thermal</b>	<b>Gas</b>	0.00	0.00	<b>0.00</b>	
<b>Total Hydro</b>	<b>Hydro</b>	1771.34	4.68	<b>1766.66</b>	
<b>Total Wind</b>	<b>Wind</b>	32.52	0.00	<b>32.52</b>	
<b>Total Nuclear</b>	<b>Nuclear</b>	0.00	0.00	<b>0.00</b>	
<b>Total from Non-Utilities</b>	<b>Low Cost (Assumed for conservative estimate)</b>			<b>0.00</b>	
<b>Chattisgarh</b>					
<b>State Electricity Boards</b>					
Thermal	Coal	7593.22			CEA General Review (2002-2003) : Table No. 3.5
Thermal	Diesel	0.00			
Thermal	Gas	0.00			
Hydro	Hydro	276.95			
Wind	Wind	0.00			
<b>Electricity Departments/ Govt. Undertakings/ Municipalities</b>					
Thermal	Coal	0.00			CEA General Review (2002-2003) : Table No. 3.6
Thermal	Diesel	0.00			
Thermal	Gas	0.00			
Hydro	Hydro	0.00			
Wind	Wind	0.00			
<b>Private Generating Stations</b>					
Thermal	Coal	0.00			CEA General Review (2002-2003) : Table No. 3.6
Thermal	Diesel	0.00			
Thermal	Gas	0.00			
Hydro	Hydro	0.00			
Wind	Wind	0.00			
<b>Non-Utilities</b>					
Self Generating Industries	Low Cost (Assumed for conservative estimate)			666.25	CEA General Review (2002-2003) : Table No. 5.3
<b>Total Thermal</b>	<b>Coal</b>	7593.22	735.02	<b>6858.20</b>	For Auxiliary Consumption: CEA General Review (2002-2003) : Table No. 5.6
<b>Total Thermal</b>	<b>Diesel</b>	0.00	0.00	<b>0.00</b>	
<b>Total Thermal</b>	<b>Gas</b>	0.00	0.00	<b>0.00</b>	
<b>Total Hydro</b>	<b>Hydro</b>	276.95	0.49	<b>276.46</b>	
<b>Total Wind</b>	<b>Wind</b>	0.00	0.00	<b>0.00</b>	
<b>Total Nuclear</b>	<b>Nuclear</b>	0.00	0.00	<b>0.00</b>	
<b>Total from Non-Utilities</b>	<b>Low Cost (Assumed for conservative estimate)</b>			<b>666.25</b>	
<b>Maharashtra</b>					
<b>State Electricity Boards</b>					
Thermal	Coal	50304.19			CEA General Review (2002-2003) : Table No. 3.5
Thermal	Diesel	0.00			
Thermal	Gas	3891.17			
Hydro	Hydro	4185.21			
Wind	Wind	0.00			
<b>Electricity Departments/ Govt. Undertakings/ Municipalities</b>					
Thermal	Coal	0.00			
Thermal	Diesel	0.00			

Thermal	Gas	0.00			CEA General Review (2002-2003) : Table No. 3.6
Hydro	Hydro	0.00			
Wind	Wind	0.00			
Nuclear	Nuclear	0.00			
<b>Private Generating Stations</b>					
Thermal	Coal	1899.85			CEA General Review (2002-2003) : Table No. 3.6
Thermal	Diesel	0.00			
Thermal	Gas	1151.90			
Hydro	Hydro	1350.20			
Wind	Wind	666.63			
<b>Non-Utilities</b>					
Self Generating Industries	Low Cost (Assumed for conservative estimate)			349.62	CEA General Review (2002-2003) : Table No. 5.3
<b>Total Thermal</b>	<b>Coal</b>	52204.04	4165.65	<b>48038.39</b>	For Auxiliary Consumption: CEA General Review (2002-2003) : Table No. 5.6
<b>Total Thermal</b>	<b>Diesel</b>	0.00	0.00	<b>0.00</b>	
<b>Total Thermal</b>	<b>Gas</b>	5043.07	119.78	<b>4923.29</b>	
<b>Total Hydro</b>	<b>Hydro</b>	5535.41	38.08	<b>5497.33</b>	
<b>Total Wind</b>	<b>Wind</b>	666.63	0.00	<b>666.63</b>	
<b>Total Nuclear</b>	<b>Nuclear</b>	0.00	0.00	<b>0.00</b>	
<b>Total from Non-Utilities</b>	<b>Low Cost (Assumed for conservative estimate)</b>			<b>349.62</b>	
<b>Goa</b>					
<b>State Electricity Boards</b>					
Thermal	Coal	0.00			CEA General Review (2002-2003) : Table No. 3.5
Thermal	Diesel	0.00			
Thermal	Gas	0.00			
Hydro	Hydro	0.00			
Wind	Wind	0.00			
<b>Electricity Departments/ Govt. Undertakings/ Municipalities</b>					
Thermal	Coal	0.00			CEA General Review (2002-2003) : Table No. 3.6
Thermal	Diesel	0.00			
Thermal	Gas	0.00			
Hydro	Hydro	0.00			
Wind	Wind	0.00			
Nuclear	Nuclear	0.00			
<b>Private Generating Stations</b>					
Thermal	Coal	0.00			CEA General Review (2002-2003) : Table No. 3.6
Thermal	Diesel	0.00			
Thermal	Gas	273.05			
Hydro	Hydro	0.00			
Wind	Wind	0.00			
<b>Non-Utilities</b>					
Self Generating Industries	Low Cost (Assumed for conservative estimate)			0.00	CEA General Review (2002-2003) : Table No. 5.3
<b>Total Thermal</b>	<b>Coal</b>	0.00	0.00	<b>0.00</b>	For Auxiliary Consumption: CEA General Review (2002-2003) : Table No. 5.6
<b>Total Thermal</b>	<b>Diesel</b>	0.00	0.00	<b>0.00</b>	
<b>Total Thermal</b>	<b>Gas</b>	273.05	2.73	<b>270.32</b>	
<b>Total Hydro</b>	<b>Hydro</b>	0.00	0.00	<b>0.00</b>	
<b>Total Wind</b>	<b>Wind</b>	0.00	0.00	<b>0.00</b>	
<b>Total Nuclear</b>	<b>Nuclear</b>	0.00	0.00	<b>0.00</b>	
<b>Total from Non-Utilities</b>	<b>Low Cost (Assumed for conservative estimate)</b>			<b>0.00</b>	
<b>D&amp;N Haveli</b>					
<b>State Electricity Boards</b>					
Thermal	Coal	0.00			CEA General Review (2002-2003) : Table No. 3.5
Thermal	Diesel	0.00			
Thermal	Gas	0.00			
Hydro	Hydro	0.00			

Wind	Wind	0.00			
<b>Electricity Departments/ Govt. Undertakings/ Municipalities</b>					
Thermal	Coal	0.00			CEA General Review (2002-2003) : Table No. 3.6
Thermal	Diesel	0.00			
Thermal	Gas	0.00			
Hydro	Hydro	0.00			
Wind	Wind	0.00			
Nuclear	Nuclear	0.00			
<b>Private Generating Stations</b>					
Thermal	Coal	0.00			CEA General Review (2002-2003) : Table No. 3.6
Thermal	Diesel	0.00			
Thermal	Gas	0.00			
Hydro	Hydro	0.00			
Wind	Wind	0.00			
<b>Non-Utilities</b>					
Self Generating Industries	Low Cost (Assumed for conservative estimate)			0.00	CEA General Review (2002-2003) : Table No. 5.3
<b>Total Thermal</b>	<b>Coal</b>	0.00	0.00	<b>0.00</b>	For Auxiliary Consumption: CEA General Review (2002-2003) : Table No. 5.6
<b>Total Thermal</b>	<b>Diesel</b>	0.00	0.00	<b>0.00</b>	
<b>Total Thermal</b>	<b>Gas</b>	0.00	0.00	<b>0.00</b>	
<b>Total Hydro</b>	<b>Hydro</b>	0.00	0.00	<b>0.00</b>	
<b>Total Wind</b>	<b>Wind</b>	0.00	0.00	<b>0.00</b>	
<b>Total Nuclear</b>	<b>Nuclear</b>	0.00	0.00	<b>0.00</b>	
<b>Total from Non-Utilities</b>	<b>Low Cost (Assumed for conservative estimate)</b>			<b>0.00</b>	
<b>Daman &amp; Diu</b>					
<b>State Electricity Boards</b>					
Thermal	Coal	0.00			CEA General Review (2002-2003) : Table No. 3.5
Thermal	Diesel	0.00			
Thermal	Gas	0.00			
Hydro	Hydro	0.00			
Wind	Wind	0.00			
<b>Electricity Departments/ Govt. Undertakings/ Municipalities</b>					
Thermal	Coal	0.00			CEA General Review (2002-2003) : Table No. 3.6
Thermal	Diesel	0.00			
Thermal	Gas	0.00			
Hydro	Hydro	0.00			
Wind	Wind	0.00			
Nuclear	Nuclear	0.00			
<b>Private Generating Stations</b>					
Thermal	Coal	0.00			CEA General Review (2002-2003) : Table No. 3.6
Thermal	Diesel	0.00			
Thermal	Gas	0.00			
Hydro	Hydro	0.00			
Wind	Wind	0.00			
<b>Non-Utilities</b>					
Self Generating Industries	Low Cost (Assumed for conservative estimate)			0.00	CEA General Review (2002-2003) : Table No. 5.3
<b>Total Thermal</b>	<b>Coal</b>	0.00	0.00	<b>0.00</b>	For Auxiliary Consumption: CEA General Review (2002-2003) : Table No. 5.6
<b>Total Thermal</b>	<b>Diesel</b>	0.00	0.00	<b>0.00</b>	
<b>Total Thermal</b>	<b>Gas</b>	0.00	0.00	<b>0.00</b>	
<b>Total Hydro</b>	<b>Hydro</b>	0.00	0.00	<b>0.00</b>	
<b>Total Wind</b>	<b>Wind</b>	0.00	0.00	<b>0.00</b>	

<b>Total Nuclear</b>	<b>Nuclear</b>	0.00	0.00	<b>0.00</b>	
<b>Total from Non-Utilities</b>	<b>Low Cost (Assumed for conservative estimate)</b>			<b>0.00</b>	
<b>Generation from Central Sector Power Plants located in Western Region</b>					
<b>Total Thermal</b>	<b>Coal</b>	33391.85	2769.58	<b>30622.27</b>	CEA General Review (2002-2003) : Table No. 3.6 For Auxiliary Consumption: CEA General Review (2002-2003) : Table No. 5.6
<b>Total Thermal</b>	<b>Diesel</b>	0.00	0.00	<b>0.00</b>	
<b>Total Thermal</b>	<b>Gas</b>	7572.87	117.35	<b>7455.52</b>	
<b>Total Hydro</b>	<b>Hydro</b>	0.00	0.00	<b>0.00</b>	
<b>Total Wind</b>	<b>Wind</b>	0.00	0.00	<b>0.00</b>	
<b>Total Nuclear</b>	<b>Nuclear</b>	6200.00	600.00	<b>5600.00</b>	
<b>Import from Central Sector Power Plants located in other Regions</b>					
<b>Total Thermal</b>	<b>Coal</b>			<b>3875.83</b>	CEA General Review (2002-2003) : Table No. 5.8
<b>Total Thermal</b>	<b>Diesel</b>			<b>0.00</b>	
<b>Total Thermal</b>	<b>Gas</b>			<b>33.37</b>	
<b>Total Hydro</b>	<b>Hydro</b>			<b>0.00</b>	
<b>Total Wind</b>	<b>Wind</b>			<b>0.00</b>	
<b>Total Nuclear</b>	<b>Nuclear</b>			<b>0.00</b>	
<b>Import from other Regions</b>					
NREB				1124.49	CEA General Review (2002-2003) : Table No. 5.9
SREB				466.82	
EREB				257.2	
<b>Total Import from other Regions</b>				<b>1848.51</b>	Sum of import from Central Sector Power Plants located in other regions and import from other regions can be cross checked with Table No. 5.2 of CEA General Review (2002-2003)
Total Thermal Generation in WR	Coal			129253.12	
Total Thermal Generation in WR	Diesel			0.00	
Total Thermal Generation in WR	Gas			18388.84	
Total Hydro Generation in WR	Hydro			8121.76	
Total Wind Generation in WR	Wind			878.52	
Total Nuclear Generation in WR	Nuclear			5600.00	
Total Generation from Non- Utilities in WR	Low Cost (Assumed for conservative estimate)			2467.87	
Total Import from other Regions in WR				1848.51	
<b>Total Generation in WR (including Gen. from SEBs, Electricity Dept., Govt. Undertakings, Municipalities, Private Generating Stations and Central Sector Share)</b>				<b>162242.24</b>	
<b>Total Generation from Non- Utilities in WR</b>				<b>2467.87</b>	
<b>Total Import from other Regions in WR</b>				<b>1848.51</b>	
<b>Gross Generation from all sources in WR</b>				<b>166558.62</b>	Can be cross checked with Table No. 5.2 of CEA General Review (2002-2003)
<b>20% of Gross Generation from all sources in WR</b>				<b>33311.7232</b>	

**Generation Details in the Western Region for the year 2004-2005**

State	Fuel	Gross MU Generated	Auxiliary Consumption (MU)	Net MU Generated	Source
		2004-2005	2004-2005	2004-2005	
<b>Gujarat</b>					
Total Thermal	Coal	30120.94	2933.63	27187.31	WREB Annual Report (2004-2005) : Annex-XI Statewise Generation and Requirement during the year 2004-05
Total Thermal	Diesel	0.00	0.00	0.00	
Total Thermal	Gas	13366.83	261.59	13105.24	
Total Hydro	Hydro	873.19	7.07	866.12	
Total Wind	Wind	0.00	0.00	0.00	
Total Nuclear	Nuclear	0.00	0.00	0.00	
<b>Madhya Pradesh</b>					
Total Thermal	Coal	13502.55	1414.69	12087.86	WREB Annual Report (2004-2005) : Annex-XI Statewise Generation and Requirement during the year 2004-05
Total Thermal	Diesel	0.00	0.00	0.00	
Total Thermal	Gas	0.00	0.00	0.00	
Total Hydro	Hydro	3737.85	7.31	3730.54	
Total Wind	Wind	0.00	0.00	0.00	
Total Nuclear	Nuclear	0.00	0.00	0.00	
<b>Chattisgarh</b>					
Total Thermal	Coal	7924.98	782.82	7142.16	WREB Annual Report (2004-2005) : Annex-XI Statewise Generation and Requirement during the year 2004-05
Total Thermal	Diesel	0.00	0.00	0.00	
Total Thermal	Gas	0.00	0.00	0.00	
Total Hydro	Hydro	382.64	0.00	382.64	
Total Wind	Wind	0.00	0.00	0.00	
Total Nuclear	Nuclear	0.00	0.00	0.00	
<b>Maharashtra</b>					
Total Thermal	Coal	55543.13	4452.14	51090.99	WREB Annual Report (2004-2005) : Annex-XI Statewise Generation and Requirement during the year 2004-05 & Annex-X (6/8) for power generation from WHR
Total Thermal	Diesel	0.00	0.00	0.00	
Total Thermal	Gas	5450.19	124.89	5325.30	
Total Hydro	Hydro	5583.54	39.08	5544.46	
Total Wind	Wind	0.00	0.00	0.00	
Total Nuclear	Nuclear	0.00	0.00	0.00	
<b>Goa</b>					
Total Thermal	Coal	0.00	0.00	0.00	WREB Annual Report (2004-2005) : Annex-XI Statewise Generation and Requirement during the year 2004-05
Total Thermal	Diesel	0.00	0.00	0.00	
Total Thermal	Gas	138.36	0.00	138.36	
Total Hydro	Hydro	0.00	0.00	0.00	
Total Wind	Wind	0.00	0.00	0.00	
Total Nuclear	Nuclear	0.00	0.00	0.00	
<b>D&amp;N Haveli</b>					

Total Thermal	Coal	0.00	0.00	0.00	WREB Annual Report (2004-2005) : Annex-XI Statewise Generation and Requirement during the year 2004-05
Total Thermal	Diesel	0.00	0.00	0.00	
Total Thermal	Gas	0.00	0.00	0.00	
Total Hydro	Hydro	0.00	0.00	0.00	
Total Wind	Wind	0.00	0.00	0.00	
Total Nuclear	Nuclear	0.00	0.00	0.00	
<b>Daman &amp; Diu</b>					
Total Thermal	Coal	0.00	0.00	0.00	WREB Annual Report (2004-2005) : Annex-XI Statewise Generation and Requirement during the year 2004-2005
Total Thermal	Diesel	0.00	0.00	0.00	
Total Thermal	Gas	0.00	0.00	0.00	
Total Hydro	Hydro	0.00	0.00	0.00	
Total Wind	Wind	0.00	0.00	0.00	
Total Nuclear	Nuclear	0.00	0.00	0.00	
<b>Central Sector Share in Western Region</b>					
Total Thermal	Coal			32953.356	WREB Annual Report (2004-2005) : Annex-XI Statewise Generation and Requirement during the year 2004-2005 and Annex-XIII Schedule/ Drawal of Energy by Various Systems during
Total Thermal	Diesel			0.00	
Total Thermal	Gas			6703.57	
Total Hydro	Hydro			0.00	
Total Wind	Wind			0.00	
Total Nuclear	Nuclear			4496.51	
<b>Import from other Regions</b>					
NREB				1093.264	WREB Annual Report (2004-2005) : Annex-XIII Schedule/ Drawal of Energy by Various Systems during 2004-05
SREB				1766.607	
EREB				9094.757	
<b>Total Import from other Regions</b>				<b>11954.628</b>	The difference between the sum of imports from NTPC-Ramagundam and from other
<b>Import from Self Generating Industries (Balco and Jindal)</b>					
	Low Cost (Assumed for conservative estimate)			<b>978.14</b>	WREB Annual Report (2004-2005) : Annex-XI Statewise Generation and Requirement during the year 2004-05
Total Thermal Generation in WR	Coal			130461.68	
Total Thermal Generation in WR	Diesel			0.00	
Total Thermal Generation in WR	Gas			25272.47	
Total Hydro Generation in WR	Hydro			10523.76	
Total Wind Generation in WR	Wind			0.00	
Total Nuclear Generation in WR	Nuclear			4496.51	
Total Import from other Regions in WR				11954.63	
Total Import from Self Generating Industries in WR	Low Cost (Assumed for conservative estimate)			978.14	
<b>Total Generation in WR (including Gen. from all the States, Union Territories and Central Sector Share)</b>					
<b>Total Import from other Regions in WR</b>				<b>11954.63</b>	
<b>Total Import from Self Generating Industries in WR</b>				<b>978.14</b>	
<b>Gross Generation from all sources in WR</b>				<b>183687.18</b>	
<b>20% of Gross Generation from all sources in WR</b>				<b>36737.4368</b>	



Generation Details in the Western Region for the year 2003-2004					
State	Fuel	Gross MU Generated	Auxiliary Consumption (MU)	Net MU Generated	Source
		2003-2004	2003-2004	2003-2004	
<b>Gujarat</b>					
<b>State Electricity Boards</b>					
Thermal	Coal	20402.49			CEA General Review (2005) : Table No. 3.5
Thermal	Diesel	0.00			
Thermal	Gas	934.10			
Hydro	Hydro	859.34			
Wind	Wind	0.00			
<b>Electricity Departments/ Govt. Undertakings/ Municipalities</b>					
Thermal	Coal	3398.00			CEA General Review (2005) : Table No. 3.6
Thermal	Diesel	0.00			
Thermal	Gas	788.62			
Hydro	Hydro	0.00			
Wind	Wind	113.20			
Nuclear	Nuclear	0.00			
<b>Private Generating Stations</b>					
Thermal	Coal	4593.80			CEA General Review (2005) : Table No. 3.6
Thermal	Diesel	0.00			
Thermal	Gas	7041.99			
Hydro	Hydro	0.00			
Wind	Wind	138.30			
<b>Non-Utilities</b>					
Self Generating Industries	Low Cost (Assumed for conservative estimate)			2217.38	CEA General Review (2005) : Table No. 5.3
<b>Total Thermal</b>	<b>Coal</b>	28394.29	2732.84	<b>25661.45</b>	For Auxiliary Consumption: CEA General Review (2005) : Table No. 5.5
<b>Total Thermal</b>	<b>Diesel</b>	0.00	0.00	<b>0.00</b>	
<b>Total Thermal</b>	<b>Gas</b>	8764.71	163.97	<b>8600.74</b>	
<b>Total Hydro</b>	<b>Hydro</b>	859.34	6.77	<b>852.57</b>	
<b>Total Wind</b>	<b>Wind</b>	251.50	0.00	<b>251.50</b>	
<b>Total Nuclear</b>	<b>Nuclear</b>	0.00	0.00	<b>0.00</b>	
<b>Total from Non-Utilities</b>	<b>Low Cost (Assumed for conservative estimate)</b>			<b>2217.38</b>	
<b>Madhya Pradesh</b>					
<b>State Electricity Boards</b>					
Thermal	Coal	13168.47			CEA General Review (2005) : Table No. 3.5
Thermal	Diesel	0.00			
Thermal	Gas	0.00			
Hydro	Hydro	2632.37			
Wind	Wind	1.24			
<b>Electricity Departments/ Govt. Undertakings/ Municipalities</b>					
Thermal	Coal	0.00			CEA General Review (2005) : Table No. 3.6
Thermal	Diesel	0.00			
Thermal	Gas	0.00			
Hydro	Hydro	0.00			
Wind	Wind	0.00			
Nuclear	Nuclear	0.00			
<b>Private Generating Stations</b>					
Thermal	Coal	0.00			CEA General Review (2005) : Table No. 3.6
Thermal	Diesel	0.00			
Thermal	Gas	0.00			
Hydro	Hydro	0.00			
Wind	Wind	0.00			

<b>Non-Utilities</b>					
Self Generating Industries	Low Cost (Assumed for conservative estimate)			0.00	CEA General Review (2005) : Table No. 5.3
<b>Total Thermal</b>	<b>Coal</b>	13168.47	1302.99	<b>11865.48</b>	For Auxiliary Consumption: CEA General Review (2005) : Table No. 5.5
<b>Total Thermal</b>	<b>Diesel</b>	0.00	0.00	<b>0.00</b>	
<b>Total Thermal</b>	<b>Gas</b>	0.00	0.00	<b>0.00</b>	
<b>Total Hydro</b>	<b>Hydro</b>	2632.37	5.73	<b>2626.64</b>	
<b>Total Wind</b>	<b>Wind</b>	1.24	0.00	<b>1.24</b>	
<b>Total Nuclear</b>	<b>Nuclear</b>	0.00	0.00	<b>0.00</b>	
<b>Total from Non-Utilities</b>	<b>Low Cost (Assumed for conservative estimate)</b>			<b>0.00</b>	
<b>Chattisgarh</b>					
<b>State Electricity Boards</b>					
Thermal	Coal	7617.49			CEA General Review (2005) : Table No. 3.5
Thermal	Diesel	0.00			
Thermal	Gas	0.00			
Hydro	Hydro	298.94			
Wind	Wind	0.00			
<b>Electricity Departments/ Govt. Undertakings/ Municipalities</b>					
Thermal	Coal	0.00			CEA General Review (2005) : Table No. 3.6
Thermal	Diesel	0.00			
Thermal	Gas	0.00			
Hydro	Hydro	0.00			
Wind	Wind	0.00			
Nuclear	Nuclear	0.00			
<b>Private Generating Stations</b>					
Thermal	Coal	0.00			CEA General Review (2005) : Table No. 3.6
Thermal	Diesel	0.00			
Thermal	Gas	0.00			
Hydro	Hydro	0.00			
Wind	Wind	0.00			
<b>Non-Utilities</b>					
Self Generating Industries	Low Cost (Assumed for conservative estimate)			614.27	CEA General Review (2005) : Table No. 5.3
<b>Total Thermal</b>	<b>Coal</b>	7617.49	749.40	<b>6868.09</b>	For Auxiliary Consumption: CEA General Review (2005) : Table No. 5.5
<b>Total Thermal</b>	<b>Diesel</b>	0.00	0.00	<b>0.00</b>	
<b>Total Thermal</b>	<b>Gas</b>	0.00	0.00	<b>0.00</b>	
<b>Total Hydro</b>	<b>Hydro</b>	298.94	0.64	<b>298.30</b>	
<b>Total Wind</b>	<b>Wind</b>	0.00	0.00	<b>0.00</b>	
<b>Total Nuclear</b>	<b>Nuclear</b>	0.00	0.00	<b>0.00</b>	
<b>Total from Non-Utilities</b>	<b>Low Cost (Assumed for conservative estimate)</b>			<b>614.27</b>	
<b>Maharashtra</b>					
<b>State Electricity Boards</b>					
Thermal	Coal	42177.67			CEA General Review (2005) : Table No. 3.5
Thermal	Diesel	0.00			
Thermal	Gas	4006.23			
Hydro	Hydro	4155.73			
Wind	Wind	602.39			
<b>Electricity Departments/ Govt. Undertakings/ Municipalities</b>					
Thermal	Coal	0.00			
Thermal	Diesel	0.00			

Thermal	Gas	0.00			CEA General Review (2005) : Table No. 3.6
Hydro	Hydro	0.00			
Wind	Wind	0.00			
Nuclear	Nuclear	0.00			
<b>Private Generating Stations</b>					
Thermal	Coal	12019.83			CEA General Review (2005) : Table No. 3.6
Thermal	Diesel	0.00			
Thermal	Gas	1426.00			
Hydro	Hydro	1336.00			
Wind	Wind	666.63			
<b>Non-Utilities</b>					
Self Generating Industries	Low Cost (Assumed for conservative estimate)			365.16	CEA General Review (2005) : Table No. 5.3
<b>Total Thermal</b>	<b>Coal</b>	54197.50	4364.42	<b>49833.08</b>	For Auxiliary Consumption: CEA General Review (2005) : Table No. 5.5
<b>Total Thermal</b>	<b>Diesel</b>	0.00	0.00	<b>0.00</b>	
<b>Total Thermal</b>	<b>Gas</b>	5432.23	125.25	<b>5306.98</b>	
<b>Total Hydro</b>	<b>Hydro</b>	5491.73	42.82	<b>5448.91</b>	
<b>Total Wind</b>	<b>Wind</b>	1269.02	0.00	<b>1269.02</b>	
<b>Total Nuclear</b>	<b>Nuclear</b>	0.00	0.00	<b>0.00</b>	
<b>Total from Non-Utilities</b>	<b>Low Cost (Assumed for conservative estimate)</b>			<b>365.16</b>	
<b>Goa</b>					
<b>State Electricity Boards</b>					
Thermal	Coal	0.00			CEA General Review (2005) : Table No. 3.5
Thermal	Diesel	0.00			
Thermal	Gas	0.00			
Hydro	Hydro	0.00			
Wind	Wind	0.00			
<b>Electricity Departments/ Govt. Undertakings/ Municipalities</b>					
Thermal	Coal	0.00			CEA General Review (2005) : Table No. 3.6
Thermal	Diesel	0.00			
Thermal	Gas	0.00			
Hydro	Hydro	0.00			
Wind	Wind	0.00			
Nuclear	Nuclear	0.00			
<b>Private Generating Stations</b>					
Thermal	Coal	0.00			CEA General Review (2005) : Table No. 3.6
Thermal	Diesel	0.00			
Thermal	Gas	202.27			
Hydro	Hydro	0.00			
Wind	Wind	0.00			
<b>Non-Utilities</b>					
Self Generating Industries	Low Cost (Assumed for conservative estimate)			0.00	CEA General Review (2005) : Table No. 5.3
<b>Total Thermal</b>	<b>Coal</b>	0.00	0.00	<b>0.00</b>	For Auxiliary Consumption: CEA General Review (2005) : Table No. 5.5
<b>Total Thermal</b>	<b>Diesel</b>	0.00	0.00	<b>0.00</b>	
<b>Total Thermal</b>	<b>Gas</b>	202.27	4.05	<b>198.22</b>	
<b>Total Hydro</b>	<b>Hydro</b>	0.00	0.00	<b>0.00</b>	
<b>Total Wind</b>	<b>Wind</b>	0.00	0.00	<b>0.00</b>	
<b>Total Nuclear</b>	<b>Nuclear</b>	0.00	0.00	<b>0.00</b>	
<b>Total from Non-Utilities</b>	<b>Low Cost (Assumed for conservative estimate)</b>			<b>0.00</b>	
<b>D&amp;N Haveli</b>					
<b>State Electricity Boards</b>					
Thermal	Coal	0.00			CEA General Review (2005) : Table No. 3.5
Thermal	Diesel	0.00			
Thermal	Gas	0.00			
Hydro	Hydro	0.00			

Wind	Wind	0.00			
<b>Electricity Departments/ Govt. Undertakings/ Municipalities</b>					
Thermal	Coal	0.00			CEA General Review (2005) : Table No. 3.6
Thermal	Diesel	0.00			
Thermal	Gas	0.00			
Hydro	Hydro	0.00			
Wind	Wind	0.00			
Nuclear	Nuclear	0.00			
<b>Private Generating Stations</b>					
Thermal	Coal	0.00			CEA General Review (2005) : Table No. 3.6
Thermal	Diesel	0.00			
Thermal	Gas	0.00			
Hydro	Hydro	0.00			
Wind	Wind	0.00			
<b>Non-Utilities</b>					
Self Generating Industries	Low Cost (Assumed for conservative estimate)			0.00	CEA General Review (2005) : Table No. 5.3
<b>Total Thermal</b>	<b>Coal</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	For Auxiliary Consumption: CEA General Review (2005) : Table No. 5.5
<b>Total Thermal</b>	<b>Diesel</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
<b>Total Thermal</b>	<b>Gas</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
<b>Total Hydro</b>	<b>Hydro</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
<b>Total Wind</b>	<b>Wind</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
<b>Total Nuclear</b>	<b>Nuclear</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
<b>Total from Non-Utilities</b>	<b>Low Cost (Assumed for conservative estimate)</b>			<b>0.00</b>	
<b>Daman &amp; Diu</b>					
<b>State Electricity Boards</b>					
Thermal	Coal	0.00			CEA General Review (2005) : Table No. 3.5
Thermal	Diesel	0.00			
Thermal	Gas	0.00			
Hydro	Hydro	0.00			
Wind	Wind	0.00			
<b>Electricity Departments/ Govt. Undertakings/ Municipalities</b>					
Thermal	Coal	0.00			CEA General Review (2005) : Table No. 3.6
Thermal	Diesel	0.00			
Thermal	Gas	0.00			
Hydro	Hydro	0.00			
Wind	Wind	0.00			
Nuclear	Nuclear	0.00			
<b>Private Generating Stations</b>					
Thermal	Coal	0.00			CEA General Review (2005) : Table No. 3.6
Thermal	Diesel	0.00			
Thermal	Gas	0.00			
Hydro	Hydro	0.00			
Wind	Wind	0.00			
<b>Non-Utilities</b>					
Self Generating Industries	Low Cost (Assumed for conservative estimate)			0.00	CEA General Review (2005) : Table No. 5.3
<b>Total Thermal</b>	<b>Coal</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	For Auxiliary Consumption: CEA General Review (2005) : Table No. 5.5
<b>Total Thermal</b>	<b>Diesel</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
<b>Total Thermal</b>	<b>Gas</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
<b>Total Hydro</b>	<b>Hydro</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	
<b>Total Wind</b>	<b>Wind</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	

<b>Total Nuclear</b>	<b>Nuclear</b>	0.00	0.00	<b>0.00</b>	
<b>Total from Non-Utilities</b>	<b>Low Cost (Assumed for conservative estimate)</b>			<b>0.00</b>	
<b>Generation from Central Sector Power Plants located in Western Region</b>					
<b>Total Thermal</b>	<b>Coal</b>	32685.70	2285.00	<b>30400.7</b>	CEA General Review (2005) : Table No. 3.6 For Auxiliary Consumption: CEA General Review (2005) : Table No. 5.5
<b>Total Thermal</b>	<b>Diesel</b>	0.00	0.00	<b>0.00</b>	
<b>Total Thermal</b>	<b>Gas</b>	7108.91	163.45	<b>6945.46</b>	
<b>Total Hydro</b>	<b>Hydro</b>	0.00	0.00	<b>0.00</b>	
<b>Total Wind</b>	<b>Wind</b>	0.00	0.00	<b>0.00</b>	
<b>Total Nuclear</b>	<b>Nuclear</b>	5700.00	600.00	<b>5100.00</b>	
<b>Import from Central Sector Power Plants located in other Regions</b>					
<b>Total Thermal</b>	<b>Coal</b>			<b>4188.30</b>	
<b>Total Thermal</b>	<b>Diesel</b>			<b>0.00</b>	
<b>Total Thermal</b>	<b>Gas</b>			<b>0.00</b>	
<b>Total Hydro</b>	<b>Hydro</b>			<b>0.00</b>	
<b>Total Wind</b>	<b>Wind</b>			<b>0.00</b>	
<b>Total Nuclear</b>	<b>Nuclear</b>			<b>205.74</b>	
				<b>4394.04</b>	
<b>Import from other Regions</b>					
NREB				1137.41	CEA General Review (2002- 2003) : Table No. 5.7 and 5.8
SREB				0	
EREB				1450.41	
<b>Total Import from other Regions</b>				<b>2587.82</b>	Sum of import from Central Sector Power Plants located in other regions and import from other regions can be cross checked with Table No. 5.2 of CEA
<b>Total Thermal Generation in WR</b>					
Total Thermal Generation in WR	Coal			128817.10	
Total Thermal Generation in WR	Diesel			0.00	
Total Thermal Generation in WR	Gas			21051.40	
Total Hydro Generation in WR	Hydro			9226.42	
Total Wind Generation in WR	Wind			1521.76	
Total Nuclear Generation in WR	Nuclear			5305.74	
Total Generation from Non- Utilities in WR	Low Cost (Assumed for conservative estimate)			3196.81	
Total Import from other Regions in WR				2587.82	
<b>Total Generation in WR (including Gen. from SEBs, Electricity Dept., Govt. Undertakings, Municipalities, Private Generating Stations and Central Sector Share)</b>					
<b>Total Generation from Non- Utilities in WR</b>				<b>3196.81</b>	
<b>Total Import from other Regions in WR</b>				<b>2587.82</b>	
<b>Gross Generation from all sources in WR</b>				<b>171707.05</b>	Can be cross checked with Table No. 5.2 of CEA General Review (2005)
<b>20% of Gross Generation from all sources in WR</b>				<b>34341.41</b>	

**Sample of Power Plants for BM Calculation**

Sr.No.	Power plant name / location	State	Year of commissioning	Fuel Type	Capacity of the new addition	Total Capacity	Generation of the Unit in 2004-2005	Comments
					(MW)	(MW)	(MU)	
1	R.P.Sagar	Madhya Pradesh		Hydro	172 (50%)		188.64	Year of commissioning for these power plants are not available. But being low-cost power generation sources, all of them are considered for BM calculation to arrive at a conservative value
2	Jawahar Sagar	Madhya Pradesh		Hydro	99 (50%)		140.52	
3	Yeoteshwar	Maharashtra		Hydro	0.08		0.00	
4	Aravelam	Goa		Hydro	0.05		0.00	
5	Akrimota Lignite	Gujarat	31/3/2005	Lignite	125		0.00	
6	Indira Sagar Unit-8	Madhya Pradesh	23/3/2005	Hydro	125	1000	0.80	
7	Sardar Sarovar RBPH Unit-1	Gujarat	1/2/2005	Hydro	200		42.13	Generation from Sardar Sarovar RBPH Unit-1 & Sardar Sarovar CHPH Unit-1 to 5
8	Sardar Sarovar RBPH Unit-1	Madhya Pradesh	1/2/2005	Hydro	200		149.65	
9	Sardar Sarovar RBPH Unit-1	Maharashtra	1/2/2005	Hydro	200		71.09	
10	Indira Sagar Unit-6	Madhya Pradesh	29/12/2004	Hydro	125	1000	41.74	
11	Gangrel Unit-4	Chattisgarh	5/11/2004	Hydro	2.5		7.52	Generation from Gangrel Unit-1 to 4
12	Indira Sagar Unit-7	Madhya Pradesh	27/10/2004	Hydro	125	1000	25.16	
13	Gangrel Unit-3	Chattisgarh	17/10/2004	Hydro	2.5		0.00	Generation already considered in Gangrel Unit-4
14	Sardar Sarovar CHPH Unit-1	Gujarat	4/10/2004	Hydro	50		0.00	Generation already considered in Sardar Sarovar RBPH Unit-1
15	Sardar Sarovar CHPH Unit-1	Madhya Pradesh	4/10/2004	Hydro	50		0.00	
16	Sardar Sarovar CHPH Unit-1	Maharashtra	4/10/2004	Hydro	50		0.00	
17	Sardar Sarovar CHPH Unit-3	Gujarat	31/8/2004	Hydro	50		0.00	
18	Sardar Sarovar CHPH Unit-3	Madhya Pradesh	31/8/2004	Hydro	50		0.00	
19	Sardar Sarovar CHPH Unit-3	Maharashtra	31/8/2004	Hydro	50		0.00	
20	Sardar Sarovar CHPH Unit-2	Gujarat	16/8/2004	Hydro	50		0.00	
21	Sardar Sarovar CHPH Unit-2	Madhya Pradesh	16/8/2004	Hydro	50		0.00	
22	Sardar Sarovar CHPH Unit-2	Maharashtra	16/8/2004	Hydro	50		0.00	
23	Indira Sagar Unit-5	Madhya Pradesh	23/7/2004	Hydro	125	1000	120.09	
24	Gangrel Unit-2	Chattisgarh	29/6/2004	Hydro	2.5		0.00	Generation already considered in Gangrel Unit-4
25	Sardar Sarovar CHPH Unit-4	Gujarat	3/5/2004	Hydro	50		0.00	Generation already considered in Sardar Sarovar RBPH Unit-1
26	Sardar Sarovar CHPH Unit-4	Madhya Pradesh	3/5/2004	Hydro	50		0.00	
27	Sardar Sarovar CHPH Unit-4	Maharashtra	3/5/2004	Hydro	50		0.00	

28	Gangrel Unit-1	Chattisgarh	2/4/2004	Hydro	2.5		0.00	Generation already considered in Gangrel Unit-4
29	Indira Sagar Unit-4	Madhya Pradesh	28/3/2004	Hydro	125	1000	138.18	
30	Indira Sagar Unit-3	Madhya Pradesh	27/2/2004	Hydro	125	1000	314.87	
31	Sardar Sarovar CHPH Unit-5	Gujarat	15/2/2004	Hydro	50		0.00	Generation already considered in Sardar Sarovar RBPH Unit-1
32	Sardar Sarovar CHPH Unit-5	Madhya Pradesh	15/2/2004	Hydro	50		0.00	
33	Sardar Sarovar CHPH Unit-5	Maharashtra	15/2/2004	Hydro	50		0.00	
34	Indira Sagar Unit-2	Madhya Pradesh	18/1/2004	Hydro	125	1000	390.83	
35	Indira Sagar Unit-1	Madhya Pradesh	1/1/2004	Hydro	125	1000	300.20	
36	Dhuvaran CCCP ST	Gujarat	22/9/2003	Gas	38.77	133.6	194.42	
37	Dhuvaran CCCP GT	Gujarat	4/6/2003	Gas	67.85	133.6	340.25	
38	Bansagar (Stage-III) Unit-3	Madhya Pradesh	2/9/2002	Hydro	20	60	26.47	Station auxiliary consumption is distributed in the ratio of installed capacity of the Units
39	Bansagar (Stage-II) Unit-2	Madhya Pradesh	1/9/2002	Hydro	15	30	34.77	Station auxiliary consumption is distributed in the ratio of installed capacity of the Units
40	Bansagar (Stage-II) Unit-1	Madhya Pradesh	28/8/2002	Hydro	15	30	33.33	
41	Hazira CCGP-GSEL Surat	Gujarat	31/3/2002	Gas	52.1	156.1	386.23	
42	Majalgaon Unit-1	Maharashtra	1/1/2002	Hydro	0.75	2.25	0.00	Assumed as no generation data is provided in WREB Annual Report (2004-2005): Annex-X
43	Majalgaon Unit-2	Maharashtra	1/1/2002	Hydro	0.75	2.25	0.00	
44	Majalgaon Unit-3	Maharashtra	1/1/2002	Hydro	0.75	2.25	0.00	
45	Karanjavan	Maharashtra	26/10/2001	Hydro	3	3	0.00	
46	Hazira CCGP-GSEL Surat	Gujarat	16/10/2001	Gas	52	156.1	377.78	
47	Hazira CCGP-GSEL Surat	Gujarat	30/9/2001	Gas	52	156.1	387.36	
48	Bansagar (Stage-III) Unit-2	Madhya Pradesh	25/8/2001	Hydro	20	60	24.68	Station auxiliary consumption is distributed in the ratio of installed capacity of the Units
49	Bansagar (Stage-III) Unit-1	Madhya Pradesh	18/7/2001	Hydro	20	60	24.51	
50	Dudhganga Unit-1	Maharashtra	27/2/2001	Hydro	12	24	62.03	Includes generation from both Dudhganga Unit-1 & 2
51	Khaparkheda Unit-4	Maharashtra	7/1/2001	Coal	210	840	1354.05	Station auxiliary consumption is distributed in the ratio of installed capacity of the Units
52	Khaparkheda Unit-3	Maharashtra	31/5/2000	Coal	210	840	1463.92	
53	Koyna (Stage-IV) Unit-4	Maharashtra	3/5/2000	Hydro	250	1000	223.01	Station auxiliary consumption is distributed in the ratio of installed capacity of the Units
54	Dudhganga Unit-2	Maharashtra	31/3/2001	Hydro	12	24	0.00	Generation already considered in Dudhganga Unit-1
55	Koyna (Stage-IV) Unit-3	Maharashtra	3/3/2000	Hydro	250	1000	718.46	Station auxiliary consumption is distributed in the ratio of installed capacity of the Units
56	Vindhychal STPS Unit VIII	Central Share	February'2000	Coal	500	2260	3586.90	Station auxiliary consumption is distributed in the ratio of installed capacity of the Units
57	Koyna (Stage-IV) Unit-2	Maharashtra	25/11/1999	Hydro	250	1000	265.68	Station auxiliary consumption is distributed in the ratio of installed capacity of the Units
58	Sanjay Gandhi Unit-IV	Madhya Pradesh	23/11/1999	Coal	210	840	1332.96	Station auxiliary consumption from all the four Units is distributed in the ratio of installed capacity of the Units
59	Rajghat Unit-3	Madhya Pradesh	3/11/1999	Hydro	7.5	22.5	13.71	Station auxiliary consumption is distributed in the ratio of installed capacity of the Units
60	GIPCL-Surat Lignite	Gujarat	November'1999	Lignite	250	250	1627.53	
61	Rajghat Unit-1	Madhya Pradesh	15/10/1999	Hydro	7.5	22.5	18.75	Station auxiliary consumption is distributed in the ratio of installed capacity of the Units
62	Rajghat Unit-2	Madhya Pradesh	29/9/1999	Hydro	7.5	22.5	10.89	
63	Warna Unit-2	Maharashtra	1/9/1999	Hydro	8	16	28.34	Net generation is distributed as per the installed capacity of the Units.

64	Reliance Salgaonkar	Goa	14/8/1999	Gas	48	48	138.36	
65	Koyna (Stage-IV) Unit-1	Maharashtra	20/6/1999	Hydro	250	1000	526.76	Station auxiliary consumption is distributed in the ratio of installed capacity of the Units
66	Surya CDPH	Maharashtra	4/6/1999	Hydro	0.75	0.75	0.00	
67	Bhandardara Stage-II	Maharashtra	19/5/1999	Hydro	34	44	36.71	
68	Dhabol	Maharashtra	13/5/1999	Gas	740	740	0.00	
69	Terwanmedhe	Maharashtra	31/3/1999	Hydro	0.2	0.2	0.09	
70	Vindhyachal STPS Unit-VII	Central Share	March'1999	Coal	500	2260	3560.31	Station auxiliary consumption is distributed in the ratio of installed capacity of the Units
71	Sanjay Gandhi Unit-III	Madhya Pradesh	28/2/1999	Coal	210	840	1412.06	Station auxiliary consumption from all the four Units is distributed in the ratio of installed capacity of the Units
72	Surya	Maharashtra	1/1/1999	Hydro	6	6	13.88	
73	Dimbhe	Maharashtra	17/10/1998	Hydro	5	5	9.02	
74	Warna Unit-1	Maharashtra	16/9/1998	Hydro	8	16	28.34	Net generation is distributed as per the installed capacity of the Units.
75	Kadana Unit-IV	Gujarat	27/5/1998	Hydro	60	240	96.71	Station auxiliary consumption is distributed in the ratio of installed capacity of the Units
76	Gandhinagar Unit-5	Gujarat	17/3/1998	Coal	210	210	1423.01	
77	Bhimgarh Unit-2	Madhya Pradesh	10/3/1998	Hydro	1.2		0.00	Included in Mini-Micro Hydro Power Plants wherefrom the generation is zero in 2004-2005
78	Bhimgarh Unit-1	Madhya Pradesh	17/2/1998	Hydro	1.2		0.00	
79	Manikodh	Maharashtra	9/2/1998	Hydro	6	6	4.08	
80	Kadana Unit-III	Gujarat	1/2/1998	Hydro	60	240	94.74	Station auxiliary consumption is distributed in the ratio of installed capacity of the Units
81	GPEC	Gujarat	1998	Gas	655		3565.16	
82	GIPCL	Gujarat	Nov-97	Gas	160		1098.91	
83	Chandrapur Unit-7	Maharashtra	1/10/1997	Coal	500	2340	3113.62	Station auxiliary consumption is distributed in the ratio of installed capacity of the Units
84	Kutch Lignite Unit-3	Gujarat	31/3/1997	Lignite	75	215	423.25	
85	Satpura Unit-2	Madhya Pradesh	9/2/1997	Hydro	0.5		0.00	Included in Mini-Micro Hydro Power Plants wherefrom the generation is zero in 2004-2005
86	Chargaon	Madhya Pradesh	7/2/1997	Hydro	0.8		0.00	
87	Tilwara	Madhya Pradesh	2/1/1997	Hydro	0.25		0.00	
88	Tata (H) Bhira PSU	Maharashtra	1997	Hydro	150		577.93	
89	Essar Gas	Gujarat	1997	Gas	515 (300MW to GEB)		3327.73	
90	Satpura Unit-1	Madhya Pradesh	9/2/1996	Hydro	0.5		0.00	Included in Mini-Micro Hydro Power Plants wherefrom the generation is zero in 2004-2005
91	Kakrapar Unit-2	Central Share	1995	Nuclear	220	440	1106.27	
92	Dahanu (BSES) Unit-2	Maharashtra	29/3/1995	Coal	250		2001.27	
<b>Total</b>							<b>37025.64</b>	
<b>20% of Gross generation in the most recent year i.e. 2004-2005</b>							<b>36655.77</b>	
<b>Coal</b>							<b>21298.88</b>	
<b>Gas</b>							<b>9816.20</b>	
<b>Hydro</b>							<b>4804.29</b>	
<b>Nuclear</b>							<b>1106.27</b>	



93	Gandhar GPS Unit-IV	Central Share	March'1995	Gas	224.5	657.4	1459.99	Station auxiliary consumption is distributed in the ratio of installed capacity of the Units
94	Hasdeo Bango Unit-3	Chattisgarh	11/1/1995	Hydro	40	120	114.91	
95	Dahanu (BSES) Unit-1	Maharashtra	6/1/1995	Coal	250		2103.78	
96	Hasdeo Bango Unit-2	Chattisgarh	21/11/1994	Hydro	40	120	136.68	
97	Uran WHR Unit-2	Maharashtra	28/10/1994	Waste Gas	120	240	690.30	Station auxiliary consumption is distributed in the ratio of installed capacity of the Units
98	Ujani	Maharashtra	2/5/1994	Hydro	12		25.00	
99	Kadana Unit-VI	Gujarat	31/3/1994	Hydro	1		0.00	Assumed as no generation data is provided in WREB Annual Report (2004-2005): Annex-X
100	Panam Canal Unit-2	Gujarat	31/3/1994	Hydro	1	2	2.33	Net generation is distributed as per the installed capacity of the Units.
101	Sanjay Gandhi Unit-II	Madhya Pradesh	27/3/1994	Coal	210	840	1021.53	Station auxiliary consumption from all the four Units is distributed in the ratio of installed capacity of the Units
102	Panam Canal Unit-1	Gujarat	24/3/1994	Hydro	1	2	2.33	Net generation is distributed as per the installed capacity of the Units.
103	Kadana Unit-V	Gujarat	24/3/1994	Hydro	1		0.00	Assumed as no generation data is provided in WREB Annual Report (2004-2005): Annex-X
104	Hasdeo Bango Unit-1	Chattisgarh	21/3/1994	Hydro	40	120	123.53	
105	Uran WHR Unit-1	Maharashtra	16/3/1994	Waste Gas	120	240	672.16	Station auxiliary consumption is distributed in the ratio of installed capacity of the Units
106	Gandhar GPS Unit-II	Central Share	March'1994	Gas	144.3	657.4	798.05	Station auxiliary consumption is distributed in the ratio of installed
107	Gandhar GPS Unit-I	Central Share	March'1994	Gas	144.3	657.4	827.84	
108	Kakrapar Unit-1	Central Share	1993	Nuclear	220	440	1070.98	
109	Utaran Unit-4	Gujarat	17/7/1993	Gas	45	135	406.95	Station auxiliary consumption is distributed in the ratio of installed capacity of the Units
110	Sikka Unit-2	Gujarat	31/3/1993	Coal	120	240	604.00	
111	Sanjay Gandhi Unit-I	Madhya Pradesh	26/3/1993	Coal	210	840	1139.37	Station auxiliary consumption from all the four Units is distributed in the ratio of installed capacity of the Units

112	Utaran Unit-2	Gujarat	28/12/1992	Gas	30	135	239.48	Station auxiliary consumption is distributed in the ratio of installed capacity of the Units
113	Utaran Unit-1	Gujarat	17/12/1992	Gas	30	135	235.58	Station auxiliary consumption is distributed in the ratio of installed capacity of the Units
114	Bargi Unit-2	Madhya Pradesh	29/11/1992	Hydro	45	90	252.34	Station auxiliary consumption is distributed in the ratio of installed capacity of the Units
115	Bansagar Tons (Stage-I) Unit-2	Madhya Pradesh	3/9/1992	Hydro	105	315	345.73	Station auxiliary consumption is distributed in the ratio of installed capacity of the Units
116	Bansagar Tons (Stage-I) Unit-3	Madhya Pradesh	3/8/1992	Hydro	105	315	231.77	
117	Utaran Unit-3	Gujarat	7/5/1992	Gas	30	135	239.82	Station auxiliary consumption is distributed in the ratio of installed capacity of the Units
118	Dhom Unit-2	Maharashtra	31/3/1992	Hydro	1	2	6.80	
119	Dhom Unit-1	Maharashtra	13/3/1992	Hydro	1	2	0.00	
120	Chandrapur Unit-6	Maharashtra	11/3/1992	Coal	500	2340	2474.09	Station auxiliary consumption is distributed in the ratio of installed capacity of the Units
121	GIPCL	Gujarat	Feb-92	Gas	145		1124.08	Import from Baroda
122	Birsinghpur	Madhya Pradesh	1/11/1991	Hydro	20	20	37.92	
123	Bhatsa	Maharashtra	28/9/1991	Hydro	15	15	66.59	
124	Bansagar Tons (Stage-I) Unit-1	Madhya Pradesh	27/9/1991	Hydro	105	315	307.80	Station auxiliary consumption is distributed in the ratio of installed capacity of the Units
125	Varasgaon	Maharashtra	21/8/1991	Hydro	8	8	36.53	
126	Kanhar	Maharashtra	18/8/1991	Hydro	4	4	8.63	
127	Gandhinagar Unit-4	Gujarat	20/7/1991	Coal	210	660	1079.55	
128	Panshet	Maharashtra	31/3/1991	Hydro	8	8	24.02	
129	Morand Unit-3	Madhya Pradesh	28/3/1991	Hydro	0.335		0.00	Included in Mini-Micro Hydro Power Plants wherefrom the generation is zero in 2004-2005
130	Kutch Lignite Unit-2	Gujarat	25/3/1991	Lignite	70	215	130.37	
131	Chandrapur Unit-5	Maharashtra	22/3/1991	Coal	500	2340	3471.73	Station auxiliary consumption is distributed in the ratio of installed capacity of the Units
132	Morand Unit-2	Madhya Pradesh	9/12/1990	Hydro	0.335		0.00	Included in Mini-Micro Hydro Power Plants wherefrom the generation is zero in 2004-2005
133	Morand Unit-1	Madhya Pradesh	31/3/1990	Hydro	0.335		0.00	
134	Kadana Unit-I	Gujarat	31/3/1990	Hydro	60	240	94.87	Station auxiliary consumption is distributed in the ratio of installed capacity of the Units
135	Kutch Lignite Unit-1	Gujarat	29/3/1990	Lignite	70	215	157.41	
136	Gandhinagar Unit-3	Gujarat	2/3/1990	Coal	210	660	804.98	
137	Kadana Unit-II	Gujarat	9/1/1990	Hydro	60	240	71.46	Station auxiliary consumption is distributed in the ratio of installed capacity of the Units
138	Khaparkheda Unit-2	Maharashtra	8/1/1990	Coal	210	840	1419.50	Station auxiliary consumption is distributed in the ratio of installed capacity of the Units

### Power generation through the WHRBs

	Units
Capacity of WHRB	35 tph
No. of WHRBs	2 No.s
Capacity of WHRB	11.7 tph
No. of WHRBs	2 No.s
Total Steam generation potential	93.4 tph
Steam required per MW	4.1 tph/MW
Power generation potential (1)	22.8 MW
Baseline Emissions Factor	<b>758.61</b> (tCO <sub>2</sub> /million kWh)
Commitment period	2004 - 2014
No. of years of delivery of CE	10 years

### Total number of CERs for the crediting period

S. No.	Year	Steam generation capacity (tph)	Plant load factor (%)	Auxiliary Power consumption (%)	Working days per year	Hours of operation per day	Electricity generation (million kWh)	Baseline Emission Factor	Emission reductions (tonnes of CO <sub>2</sub> )
1	2004-05	22.8	85	8	365	24	156.05	758.61	118,383
2	2005-06	22.8	85	8	365	24	156.05	758.61	118,383
3	2006-07	22.8	85	8	365	24	156.05	758.61	118,383
4	2007-08	22.8	85	8	365	24	156.05	758.61	118,383
5	2008-09	22.8	85	8	365	24	156.05	758.61	118,383
6	2009-10	22.8	85	8	365	24	156.05	758.61	118,383
7	2010-11	22.8	85	8	365	24	156.05	758.61	118,383
8	2011-12	22.8	85	8	365	24	156.05	758.61	118,383
9	2012-13	22.8	85	8	365	24	156.05	758.61	118,383
10	2013-14	22.8	85	8	365	24	156.05	758.61	118,383
<b>Total</b>							<b>1560.54</b>		<b>1,183,835</b>

**CALCULATION OF BASELINE EMISSION FACTORS**

Reference : ACM 0002 with Combined Margin Approach

Year of offer	2002-03		2003-04		2004-05	
Generation Mix					Base Year	
Sector	MU	%	MU	%	MU	%
Thermal Coal Based-Western Region	129253	78.47	128817	76.17	130462	75.97
Thermal Gas Based-Western Region	18389	11.16	21051	12.45	25272	14.72
Hydro-Western Region	8122	4.93	9226	5.46	10524	6.13
Wind-Western Region	879	0.53	1522	0.90	0	0.00
Nuclear-Western Region	5600	3.40	5306	3.14	4497	2.62
Import from Self Generating Industries	2468	1.50	3197	1.89	978	0.57
<b>Total</b>	<b>164710</b>	<b>100.00</b>	<b>169119</b>	<b>100.00</b>	<b>171733</b>	<b>100.00</b>
Total generation excluding Low-cost power generation	147642		149869		155734	
Generation by Coal out of Total Generation excluding Low-cost power generation	129253	87.54	128817	85.95	130462	83.77
Generation by Gas out of Total Generation excluding Low-cost power generation	18389	12.46	21051	14.05	25272	16.23
<b>Imports from others</b>						
Imports from NREB	1124		1137		1093	
Imports from SREB	467		0		1767	
Imports from EREB	257		1450		9095	
<b>Total including imports</b>	<b>166559</b>		<b>171707</b>		<b>183687</b>	

<b>Estimation of Baseline Emission Factor (tCO<sub>2</sub>/MU)</b>					
<b>Simple Operating Margin</b>					
<b>Fuel 1 : Coal</b>					
Avg. Efficiency of power generation with coal as a fuel, %		36.732	36.576	36.487	
Avg. Calorific Value of Coal used (kcal/kg)		4171	3820	3820	
Estimated Coal consumption (tons/yr)		72552891	79288901	80497035	
Emission Factor for Coal-IPCC standard value (tonne CO <sub>2</sub> /TJ)		96.1	96.1	96.1	
Oxidation Factor of Coal-IPCC standard value		0.98	0.98	0.98	
COEF of Coal (tonneCO <sub>2</sub> /ton of coal)		1.645	1.506	1.506	
<b>Fuel 2 : Gas</b>					
Avg. Efficiency of power generation with gas as a fuel, %		45	45	45	
Avg. Calorific Value of Gas used (kcal/kg)		11942	11942	11942	
Estimated Gas consumption (tons/yr)		2942817	3368913	4044423	
Emission Factor for Gas- IPCC standard value(tonne CO <sub>2</sub> /TJ)		56.1	56.1	56.1	
Oxidation Factor of Gas-IPCC standard value		0.995	0.995	0.995	
COEF of Gas(tonneCO <sub>2</sub> /ton of gas)		2.791	2.791	2.791	
EF (OM Simple, excluding imports from other grids), tCO <sub>2</sub> /MU		863.87	859.67	851.08	
EF (NREB), tCO <sub>2</sub> /MU		790.00	740.00	730.00	
EF (SREB), tCO <sub>2</sub> /MU		770	760	740	
EF (EREB), tCO <sub>2</sub> /MU		1190.00	1190.00	1180.00	
<b>EF (OM Simple), tCO<sub>2</sub>/MU</b>		<b>863.58</b>	<b>861.92</b>	<b>866.96</b>	
<b>Average EF (OM Simple), tCO<sub>2</sub>/MU</b>			<b>864.15</b>		



<b>Power generation Mix of Western Region for five years</b>					
<b>Energy Source</b>	<b>2000-01</b>	<b>2001-02</b>	<b>2002-03</b>	<b>2003-04</b>	<b>2004-05</b>
Total Power Generation (MU)	164428.59	164310.54 (gross taken)	164710.11	169119.23	171732.56
Total Thermal Power Generation	151373.89		147641.96	149868.50	155734.15
Total Low Cost Power Generation	13054.7		17068.146	19250.73	15998.41
Thermal % of Total grid generation	92.06		89.64	88.62	90.68
Low Cost % of Total grid generation	<b>7.94</b>		<b>10.36</b>	<b>11.38</b>	<b>9.32</b>
<b>% of Low Cost generation out of Total grid generation - Average of the four most recent years</b>					<b>9.75</b>