



***Maharashtra State Electricity Transmission
Company Ltd.***

State Load Dispatch Center, Airoli

Daily system Report

for

16/Aug/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 16/Aug/2011 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	65.831	1165.261	1) Madhya Pradesh	48.969	744.844
2) Hydro	23.523	229.234	2) Gujrat	50.549	636.290
3) Gas	13.631	175.546	3) Goa	-5.632	-89.223
Total MSGENCO	102.985	1570.041	4) TAPS 1&2 (Inj.)	7.808	124.963
B) OTHERS			5) Pench (Excess)	-0.090	-4.019
1) RGPPL Gas	37.531	600.920	# Total Cent. Sector	101.604	1412.855
2) Wind Generation	14.489	377.887	F) Other Exchanges		
3) CPP	21.461	350.935	1) With TPCL (Excess)	-13.857	-210.043
4) PENCH (MS)	0.090	5.605	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	19.852	319.542
1) TPCL Thermal	23.676	352.844	Include PX	3.826	49.101
2) TPCL Hydro	5.480	82.660	2) MUMBAI Bilateral	14.415	206.880
TOTAL TPCL	29.156	435.504	Include PX	-0.663	1.522
3) REL Thermal	12.575	183.086	3) MUMBAI Schedule	14.415	210.091
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	102.082	1701.191	1) MSEDCL	264.303	4108.200
2) Hydro (A2+B3+C2)	29.093	317.499	2) TPCL	37.059	549.229
3) Gas (A3+B1)	51.162	776.466	3) REL	18.526	279.386
4) Wind (B2)	14.489	377.887	TOTAL STATE	319.888	4936.815
5) CPP (B3)	21.461	350.935			
TOTAL STATE	218.287	3523.978			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	2662	2744	2712
MSGENCO Hydro	1993	2025	231
MSGENCO Gas	567	564	547
MSGENCO Total Generation	5222	5333	3490
Central Sector Receipt	3982	3960	3763
RGPPL	1597	1559	1466
WIND	595	765	513
CPP	946	993	754
Exchange with Mumbai	-827	-608	-358
MSEDCL DEMAND MET	11515	12002	9628
Load Shedding (LS)	0	0	0
MSEDCL DEMAND (INCL. LS)	11515	12002	9628
TPCL GENERATION	1497	1511	727
REL GENERATION	525	524	526
TPCL+REL DEMAND	2849	2643	1611
STATE DEMAND MET	14364	14645	11239
Load Management (LM)	1430	2560	1208
Total Load Relief (LS+LM)	1430	2560	1208
UNRESTRICTED STATE DEMAND	15794	17205	12447
Frequency (Hz)	49.77	49.06	50.27

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.42 Hz at 02:26 Hrs	48.78 Hz at 19:09 Hrs	49.81	5.06 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 16/Aug/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.30	47.94	155	97	145
Unit 6	3.22	33.55	170	0	135
Unit 7	3.64	49.01	170	140	155
	10.16	130.50			435
Bhusawal					
Unit 2	2.44	46.79	120	85	130
Unit 3	2.38	35.30	125	85	110
Unit 4	0.00	0.00	0	0	0
	4.82	82.08			240
Parli					
Unit 3	0.00	3.78	0	0	0
Unit 4	3.01	41.27	155	95	130
Unit 5	0.00	12.08	0	0	0
Unit 6	3.80	31.46	208	101	185
Unit 7	3.05	44.88	188	88	130
	9.86	133.47			445
Chandrapur					
Unit 1	2.58	45.42	136	75	120
Unit 2	2.37	41.80	121	64	120
Unit 3	3.19	43.30	186	77	170
Unit 4	0.00	53.08	0	0	0
Unit 5	4.74	124.70	310	125	175
Unit 6	4.97	61.16	375	120	120
Unit 7	0.00	0.00	0	0	0
	17.86	369.45			705
Paras					
Unit 3	2.51	47.02	173	62	135
Unit 4	2.19	45.51	144	59	135
	4.70	92.54			270
Khaparkheda					
Unit 1	3.77	62.30	166	140	161
Unit 2	3.82	61.18	163	155	153
Unit 3	3.96	63.46	170	154	162
Unit 4	0.00	57.73	0	0	0
Unit 5	0.00	2.37	0	0	0
	11.55	247.04			476
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	0.00	0	0	0
Unit 4	3.41	53.74	161	114	140
Unit 5	3.47	56.44	165	118	160
	6.88	110.18			300
Uran					
All Units	13.63	175.55	586	524	580
	13.63	175.55			580
Dabhol					
RGPPL	37.53	600.92	1624	1464	1560
	37.53	600.92			1560
Koyna					
Stage 1-2	4.43	50.44	505	35	600
Stage 4	9.37	68.88	983	0	250
Stage 3	3.41	36.23	320	0	320
	17.22	155.54			1170
Kovna 12&4 Total	13.80	119.31			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.92	14.24	39	38	36
VTRNA	0.00	1.54	0	0	0
TILLARI	1.24	12.08	60	0	60
BHTGR/VEER	0.20	2.92	9	8	8
BHIRA T.R.	0.41	7.48	82	0	80
RNGR+BHTSA	0.06	0.88	3	2	2
BHANDARDRA	0.68	7.56	29	28	32
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.38	20.30	70	51	11
GHATGHAR	1.42	6.70	290	0	0
	6.31	73.69			229
PENCH (MS)					
Pench (MS)	0.09	5.60	37	0	0
	0.09	5.60			0
Wind					
MalharPeth	0.69	21.65			
Vankuswadi	1.26	35.16			
ATIT	0.20	7.18			
Kale	0.37	11.13			
Satara	2.22	45.50			
Shirala	0.31	12.38			
K Mahankal	0.06	18.21			
Supa	0.22	5.55			
Vita	1.95	53.27			
Dondaicha	4.25	100.51			
Sakri	0.78	17.34			
Nandurbar	0.41	9.99			
Khandke	1.09	23.25			
Khaparale	0.69	16.76			
	14.49	377.89			
CPP					
JSW JAIGAD	12.77	207.98	614	422	550
WARDHA	6.21	96.05	264	248	260
Other CPPs	2.48	46.90			
	21.46	350.94			810
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.97	181.11	490	325	500
Trombay 6	6.74	101.92	445	150	500
Trombay 7A	2.85	43.87	121	115	120
Trombay 7B	1.57	24.31	66	65	60
Trombay 8	1.54	1.64	125	0	150
TATA Hydro	5.48	82.66	411	0	447
	29.16	435.50			1777
REL					
1&2	12.58	183.09	527	504	500
	12.58	183.09			500
Cent Sect					
Share					3626
					3626

MS PG CL	Thermal	65.83	1165.26		2871
	Thml+Gas	79.46	1340.81		3451
	Hydro	23.52	229.23		1399
	Total	102.98	1570.04		4850
State Total		218.29	3523.98		13123

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/Aug/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAN D WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS														
1	2786	226	524	3536	1464	447	753	2673	3997	-370	-489	9708	1726	9708	1837	13271	50.19
2	2728	236	525	3489	1466	469	752	2582	3923	-274	-381	9718	1631	9718	1673	13022	50.19
3	2712	231	547	3490	1466	513	754	2551	3763	-242	-358	9628	1208	9628	1611	12447	50.27
4	2696	231	585	3512	1465	573	743	2541	3728	-256	-284	9737	1189	9737	1537	12463	50.09
5	2794	231	580	3605	1466	602	752	2541	3811	-256	-299	9937	1211	9937	1546	12694	49.97
6	2744	233	586	3563	1470	618	757	2541	4047	-256	-335	10120	1324	10120	1627	13071	49.88
7	2712	232	583	3527	1613	613	759	2830	4476	-321	-347	10641	1323	10641	1764	13728	49.92
8	2743	282	583	3608	1622	529	766	2919	5012	-391	-451	11086	1457	11220	1913	14456	49.92
9	2667	910	573	4150	1615	636	777	2989	4728	-460	-563	11343	1554	11574	2202	15099	49.79
10	2761	1771	572	5104	1604	446	800	3186	4245	-584	-677	11522	1388	11578	2607	15517	49.71
11	2662	1993	567	5222	1597	595	946	3611	3982	-869	-827	11515	1430	11515	2849	15794	49.77
12	2752	1390	570	4712	1592	646	993	4122	4296	-910	-829	11410	1412	11410	2910	15732	49.79
13	2704	1173	579	4456	1597	595	990	4102	4763	-884	-765	11636	1413	11636	2830	15879	49.87
14	2713	1007	575	4295	1589	687	990	3981	4817	-797	-803	11575	1413	11575	2864	15852	49.87
15	2600	1322	570	4492	1579	749	984	3850	4535	-787	-777	11562	1420	11562	2852	15834	49.69
16	2581	1643	565	4789	1582	728	991	3852	4352	-803	-772	11670	1422	11670	2845	15937	49.74
17	2654	1540	570	4764	1589	628	989	3946	4507	-776	-700	11777	1442	11777	2721	15940	49.68
18	2700	1326	578	4604	1592	699	1006	3763	4047	-760	-688	11260	1643	11260	2738	15641	49.72
19	2716	1341	555	4612	1580	641	1000	3741	3834	-723	-570	11097	2341	11097	2621	16059	49.49
20	2744	2025	564	5333	1559	765	993	3951	3960	-718	-608	12002	2560	12002	2643	17205	49.06
21	2854	1857	574	5285	1583	646	1001	4080	3911	-772	-634	11829	2568	11829	2640	17037	49.43
22	2944	1382	564	4890	1602	555	999	3898	4099	-772	-579	11603	2568	11603	2438	16609	49.48
23	2965	701	581	4247	1624	573	987	3824	4186	-763	-601	11032	2568	11032	2252	15852	49.93
24	2899	240	561	3700	1615	536	979	3716	4585	-671	-520	10895	2246	10895	2068	15209	49.89
MUs	65.83	23.52	13.63	102.98	37.53	14.49	21.46	81.79	101.60	-14.42	-13.86	264.30	40.46	264.72	55.59	360.35	49.81

NOTE : ALL VALUES IN MW

Mumbai Sch./Net Exch is shown with reference to MSETCL System. (+) indicates Mum. to MSETCL and (-) indicates MSETCL to Mum. Mumbai Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss
Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 16/Aug/2011

Position as on 6.30 Hrs of 17/Aug/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Dabhol 1A	230	20/05/2011	13.22		Continued.	Rotor replacement.	19/08/2011
Chandrapur Unit 7	500	29/06/2011	21:40		Continued.	COH	21/08/2011
Nasik Unit 3	210	23/07/2011	01.55		Continued.	Annual Overhaul.	19/08/2011
CPP WPCL U-4	135	24/07/2011	06.40		Continued.	Maint.Work.	18/08/2011
Chandrapur Unit 4	210	16/08/2011	00.04		Continued.	Annual Overhaul.	10/09/2011
FORCED OUTAGE							
Parli Unit 3	210	02/08/2011	12.43		Continued.	Due to wet coal.	19/08/2011
Khaparkheda Unit 5	500	05/08/2011	09.32		Continued.	H.P.Pump problem	
CPP JSW (J) U1	300	08/08/2011	10.30		Continued.	Bearing Vibration High.	18/08/2011
Cent_Sect NTPC(V-5)	210	09/08/2011	17.45	16/08/2011	10.29	Wet coal problem.	
Cent_Sect NTPC(V-8)	500	09/08/2011	22.47		Continued.	Wet Coal.	
Parli Unit 5	210	13/08/2011	16.15	17/08/2011	02.15	Boiler Tube Leakage	
Cent_Sect NTPC(V-3)	210	13/08/2011	21.29		Continued.	Wet Coal	
Khaparkheda Unit 4	210	14/08/2011	00.34	17/08/2011	01.11	Furnace Pressure High.	
Koradi Unit 6	210	15/08/2011	23.40	16/08/2011	02.24	Furnace Pressure High.	
Tata Trombay 8	250	16/08/2011	16.07	16/08/2011	20.27	Coal Mill Problem.	
Uran Unit 5	108	17/08/2011	00.28		Continued.	Maintenance work.	
Khaparkheda Unit 4	210	17/08/2011	01.11	17/08/2011	03.24	Hot sheet valve damaged.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Aug/2011

Position as on 6.30 Hrs of 17/Aug/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad- II	26/07/2011	20.52		Continued.	Over voltage.
Akola - Wardha - I	26/07/2011	23.53		Continued.	Over Voltage.
Akola - Wardha - II	31/07/2011	22.03		Continued.	Over Voltage
Dhule-Khandwa I	10/08/2011	23.34		Continued.	Over Voltage.
Kolhapur - Mapusa - I	12/08/2011	22.56	16/08/2011	09.07	Over Voltage.
Karad - Solapur (PGCIL)	15/08/2011	17.47	16/08/2011	05.43	Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
Chandrapur-Padaghe Pole - II	08/08/2011	09.17		Continued.	Annual Maintenance Work of All Equipment in AC/DC Yard upto 20.8.11.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Chandrapur - HVDC A/C Bay - II	08/08/2011	17.21		Continued.	Annual Maint.Work, upto 19.08.11.
400/220 KV 300 MVA ICT-I @ Koradi	16/08/2011	09.40	16/08/2011	18.43	Oil leakage from ICT-I, B-Ph & Y-Ph main tank.
400/220 KV 315 MVA ICT-II @ Lonikand	16/08/2011	16.18	16/08/2011	16.36	Taken on TBC for SF6 gas filling.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(8 Month Outage)
220/132KV, 100 MVA ICT-III at Girwali.	21/06/2011	10.44		Continued.	Augmentation of ICT by new 200 MVA ICT. upto 16.08.2011.
220/132 KV 100 MVA ICT-I @ Chikhli.	30/07/2011	11.45		Continued.	Replacement by 200 MVA ICT. Up to 20.08.2011.
220/132 KV 250 MVA ICT at Ambazari	05/08/2011	10.41		Continued.	ICT is to be replaced by 200 MVA ICT Upto 20.8.11.
Girivali - Parli - III	16/08/2011	09.04	16/08/2011	17.28	Replacement of Bus I and Bus II isolator.
Karad-Vita-II	16/08/2011	10.41	16/08/2011	14.36	Q.M.Work
Apta-HOC	16/08/2011	10.46	16/08/2011	12.11	Red Hot.
220 KV Bus Coupler @ Parly- I	16/08/2011	11.13	16/08/2011	13.20	Replacement of SF6 gas pipe line of CGL CB.
Apta-Uran-II	16/08/2011	13.49	16/08/2011	16.58	Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV, 100 MVA Spare Unit at Korady	04/08/2011	16.28		Continued.	To attend buchholz alarm problem.
Karad - Kolhapur - I	12/08/2011	21.43	16/08/2011	10.01	Over Voltage.
Bhusawal- Aurangabad	15/08/2011	17.23	16/08/2011	08.07	Over Voltage.
Lonikand- Koyna Stage IV	15/08/2011	22.33	16/08/2011	07.15	Over Voltage.
Karad - Kolhapur - II	16/08/2011	21.36		Continued.	Over Voltage.
Bhusawal- Aurangabad	16/08/2011	22.13	17/08/2011	05.16	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	03/07/2011	21.47		Continued.	To Control Wardha-Warora & Wardha-Hinganghat loading.
Babaleshwar - Bhenda	24/07/2011	08.30		Continued.	To Control Babaleshwar ICT Loading.
Padgha - Temghar - II	09/08/2011	10.12		Continued.	To control Padgha ICT load.
Padgha-Temghar I	09/08/2011	10.31		Continued.	To control Padgha ICT load.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 16/Aug/2011

Position as on 6.30 Hrs of 17/Aug/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV 105 MVA Spare ICT at Parly II	22/04/2011	13.50		Continued.	To Remove Trip Coil Assembaly for Bus Coupler.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100KV 200MVA ICT-III at Kalwa	03/04/2011	16.00		Continued.	Buchholz Trip,Diff.Prot.operated,PRV tripped(Failed).
Voltage Level : 132KV			Outage Type TRIPPED		
Kandhar-Mukhed	16/08/2011	01.03	16/08/2011	01.35	Distance Protection.
Jangamwadi - Kandhar	16/08/2011	01.03	16/08/2011	01.35	Distance protection,B-PH to-E/F.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 17/Aug/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	131
Unit 6	210	160
Unit 7	210	160
	620	451
Bhusawal		
Unit 2	210	130
Unit 3	210	110
Unit 4	0	
	420	240
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	60
Unit 6	250	160
Unit 7	250	160
	1130	530
Chandrapur		
Unit 1	210	80
Unit 2	210	80
Unit 3	210	80
Unit 4	210	0
Unit 5	500	250
Unit 6	500	300
Unit 7	500	0
	2340	790
Paras		
Unit 3	250	90
Unit 4	250	90
	500	180
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	170
Unit 4	210	130
Unit 5	500	
	1340	620
Nasik		
Unit 1	120	
Unit 2	120	
Unit 3	210	0
Unit 4	210	160
Unit 5	210	160
	870	320
Uran		
All Units	852	440
	852	440
Dabhol		
RGPP	1940	1570
	1940	1570
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	36

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	8
BHIRA T.R.	80	80
RNGR+BHTSA	20	2
BHANDARDRA	45	20
ELDARY	23	0
SMLHY PTN	12	17
GHATGHAR	250	0
	611	223
PENCH (MS)		
Pench (MS)	53	
	53	
Wind		
MalharPeth	0	
Vankuswadi	0	
ATIT	0	
Kale	0	
Satara	0	
Shirala	0	
K Mahankal	0	
Supa	0	
Vita	0	
Dondaicha	0	
Sakri	0	
Nandurbar	0	
Khandke	0	
Khaparale	0	
	0	
CPP		
JSW JAIGAD	600	550
WARDHA	405	260
Other CPPs	0	
	1005	810
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3967
	3455	3967