



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Aug/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Aug/2010 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	73.392	1116.527	1) Madhya Pradesh	55.355	838.209
2) Hydro	5.240	112.403	2) Gujrat	32.850	438.177
3) Gas	15.767	233.204	3) Goa	-4.781	-85.650
Total MSGENCO	94.399	1462.134	4) TAPS 1&2 (Inj.)	7.869	112.907
B) OTHERS			5) Pench (Excess)	-0.063	-0.803
1) RGPPL Gas	30.855	364.777	# Total Cent. Sector	91.230	1302.840
2) Wind Generation	3.034	250.710	F) Other Exchanges		
3) CPP	5.717	74.112	1) With TPCL (Excess)	-9.442	-169.737
4) PENCH (MS)	0.063	0.803	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	3.003	48.715
1) TPCL Thermal	20.073	318.721	Include PX	5.416	83.620
2) TPCL Hydro	1.025	78.819	2) MUMBAI Bilateral	10.113	177.418
TOTAL TPCL	21.098	397.540	Include PX	4.110	64.196
3) REL Thermal	12.626	189.171	3) MUMBAI Schedule	10.113	182.093
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	106.091	1624.419	1) MSEDCL	215.856	3285.639
2) Hydro (A2+B3+C2)	6.328	192.025	2) TPCL	28.417	496.449
3) Gas (A3+B1)	46.622	597.981	3) REL	14.749	260.102
4) Wind (B2)	3.034	250.710	TOTAL STATE	259.022	4042.190
5) CPP (B3)	5.717	74.112			
TOTAL STATE	167.792	2739.247			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3238	3166	2876
MSGENCO Hydro	186	822	94
MSGENCO Gas	656	649	669
MSGENCO Total Generation	4080	4637	3639
Central Sector Receipt	3853	3661	3999
RGPPL	1286	1282	1288
WIND	69	147	218
CPP	229	280	243
Exchange with TPCL	-457	-400	-274
MSEDCL DEMAND MET	9060	9607	9116
Load Shedding	871	1883	0
MSEDCL DEMAND (INCL. LS)	9931	11490	9116
TPCL GENERATION	873	1124	813
REL GENERATION	525	523	525
TPCL+REL DEMAND	1855	2047	1612
STATE DEMAND MET	10915	11654	10728
STATE DEMAND (INCL. LS)	11786	13537	10728
Frequency (Hz)	49.99	49.79	49.88
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2687 MW At 06.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			47.92 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.43 Hz at 16.04 Hrs	49.37 Hz at 00.05 Hrs	49.94	0 % 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 15/Aug/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.24	20.69	64	37	65
Unit 2	1.31	9.51	70	31	65
Unit 3	0.80	18.79	71	0	60
Unit 4	0.00	5.20	0	0	0
Unit 5	2.99	33.32	146	90	120
Unit 6	3.06	31.46	153	99	120
Unit 7	2.93	36.63	150	70	110
	12.33	155.60			540
Bhusawal					
Unit 1	0.00	2.24	0	0	0
Unit 2	2.25	30.28	125	50	100
Unit 3	0.00	0.00	0	0	0
	2.25	32.52			100
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.45	0.82	21	14	18
Unit 3	0.98	40.02	120	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	30.98	0	0	0
Unit 6	2.88	42.40	171	76	290
Unit 7	2.53	26.37	211	0	
	6.84	140.60			308
Chandrapur					
Unit 1	2.69	41.77	128	101	130
Unit 2	2.36	41.53	124	72	80
Unit 3	0.00	0.00	0	0	0
Unit 4	2.72	43.51	140	86	120
Unit 5	6.10	72.99	290	210	125
Unit 6	4.97	62.10	260	145	230
Unit 7	6.74	89.20	328	229	300
	25.58	351.09			985
Paras					
Unit 2	0.34	1.66	19	2	0
Unit 3	3.93	39.46	207	131	135
Unit 4	0.00	25.91	0	0	
	4.27	67.03			135
Khaparkheda					
Unit 1	3.99	63.94	205	120	160
Unit 2	0.00	50.35	0	0	0
Unit 3	4.02	56.10	197	80	160
Unit 4	3.09	48.21	148	109	150
	11.11	218.61			470
Nasik					
Unit 1	1.19	22.73	75	21	50
Unit 2	1.13	14.74	60	30	50
Unit 3	2.84	42.76	170	65	150
Unit 4	3.09	30.71	167	45	100
Unit 5	2.76	40.15	171	71	100
	11.01	151.09			450
Koyna					
Stage 1-2	1.45	44.09	130	35	600
Stage 4	0.00	0.00	0	0	0
Stage 3	0.90	16.97	312	0	320
	2.35	61.06			920
Kovna 12&4 Total	1.45	44.09			600

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.77	233.20	679	637	640
		15.77	233.20			640
Hydro						
KDPH		0.00	0.00	0	0	0
VTRNA		0.00	1.74	0	0	60
TILLARI		0.05	6.02	38	0	60
BHTGR/VEER		0.21	3.06	9	8	9
BHIRA T.R.		0.38	6.63	81	0	80
RNGR+BHTSA		0.06	0.64	3	2	3
BHANDARDRA		0.36	7.82	15	15	0
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.74	8.98	38	28	9
GHATGHAR		1.10	16.45	250	0	0
		2.89	51.34			221
PENCH (MS)						
Pench (MS)		0.06	0.80	47	0	
		0.06	0.80			
Wind						
MalharPeth		0.09	9.85			
Vankuswadi		0.20	20.62			
ATIT		0.04	6.36			
Kale		0.09	8.74			
Satara		0.26	23.43			
Shirala		0.11	9.02			
K Mahankal		0.01	9.74			
Supa		0.02	3.80			
Vita		0.28	41.60			
Dondaicha		1.19	65.92			
Sakri		0.37	12.84			
Nandurbar		0.16	7.57			
Khandke		0.09	17.58			
Khaparale		0.13	13.64			
		3.03	250.71			
CPP						
TOTAL CPP		5.72	74.11			
		5.72	74.11			
Dabhol						
RGPPL		30.86	364.78	1292	1279	1250
		30.86	364.78			1250
Tata						
Trombay 4		0.00	4.07	0	0	0
Trombay 5		0.00	76.23	0	0	0
Trombay 6		10.74	107.18	500	380	500
Trombay 7A		2.42	35.43	104	98	120
Trombay 7B		1.45	18.86	62	59	60
Trombay 8		5.45	76.96	240	210	250
TATA Hydro		1.02	78.82	236	0	447
		21.10	397.54			1377
REL						
1&2		12.63	189.17	529	523	500
		12.63	189.17			500
Cent Sect						
Share						3164
						3164
MS PG CL	Thermal	73.39	1116.53			2988
	Thml+Gas	89.16	1349.73			3628
	Hydro	5.24	112.40			1141
	Total	94.40	1462.13			4769
State Total		167.79	2739.25			11060

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/Aug/2010

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	TPCL SCH.	TPCL NET EXCH.	MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS														
1	2996	316	666	3978	1282	145	228	3031	3964	-508	-488	9109	656	9765	1873	11638	49.64
2	2829	154	665	3648	1285	185	230	2911	3916	-366	-343	8921	488	9409	1682	11091	49.71
3	2876	94	669	3639	1288	218	243	2757	3999	-296	-274	9116	0	9116	1612	10728	49.88
4	2878	99	670	3647	1289	191	225	2754	4303	-227	-201	9454	58	9512	1543	11055	49.93
5	2842	94	669	3605	1291	162	241	2801	4484	-227	-201	9582	388	9970	1541	11511	49.98
6	2881	99	674	3654	1288	141	231	2843	4600	-275	-247	9667	789	10456	1588	12044	49.83
7	3100	184	679	3963	1290	100	236	3044	4182	-264	-250	9521	1074	10595	1617	12212	49.94
8	3181	132	678	3991	1292	81	226	3035	3702	-264	-251	9041	992	10033	1641	11674	50.02
9	3145	140	656	3941	1288	86	231	3155	3775	-389	-370	8951	872	9823	1790	11613	49.89
10	3238	186	656	4080	1286	69	229	3158	3853	-473	-457	9060	871	9931	1855	11786	49.99
11	3105	160	645	3910	1284	65	224	3235	3962	-521	-507	8938	886	9824	1875	11699	49.95
12	3121	150	645	3916	1279	60	229	3283	3788	-571	-542	8736	851	9587	1934	11521	49.88
13	3179	137	637	3953	1281	62	236	3239	3906	-521	-491	8947	1083	10030	1855	11885	50.00
14	3280	90	649	4019	1281	56	217	3235	3454	-521	-500	8527	1134	9661	1861	11522	50.08
15	3250	95	651	3996	1281	80	219	3187	3323	-473	-452	8447	1253	9700	1813	11513	50.07
16	3068	105	654	3827	1285	91	229	3187	3367	-473	-447	8352	1365	9717	1765	11482	50.17
17	3061	100	644	3805	1287	109	236	3187	3391	-473	-449	8379	1305	9684	1750	11434	50.21
18	3051	100	648	3799	1284	139	239	3187	3599	-473	-453	8607	1278	9885	1745	11630	50.06
19	2930	223	655	3808	1285	141	246	3185	3522	-512	-484	8518	1570	10088	1805	11893	50.03
20	2963	661	642	4266	1280	163	269	3145	3592	-383	-368	9202	1834	11036	1955	12991	49.80
21	3166	822	649	4637	1282	147	280	3200	3661	-455	-400	9607	1883	11490	2047	13537	49.79
22	3060	585	655	4300	1285	191	277	3192	3578	-458	-412	9219	1713	10932	2019	12951	49.80
23	3172	409	658	4239	1291	180	251	3128	3627	-458	-395	9240	1444	10684	2034	12718	49.91
24	3020	105	653	3778	1291	172	245	3135	3682	-529	-460	8715	1205	9920	1966	11886	49.97
MUs	73.39	5.24	15.77	94.40	30.86	3.03	5.72	74.21	91.23	-10.11	-9.44	215.86	24.99	240.85	43.17	284.01	49.94

NOTE : ALL VALUES IN MW

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

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 15/Aug/2010

Position as on 6.30 Hrs of 16/Aug/2010

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect KARPR1	220	01/07/2008	00:10		Continued.	COH(En-Mass Coolant Clanel Replacement)	30/12/2010
Chandrapur Unit 3	210	26/05/2010	23.59		Continued.	Water Balancing Problem.	16/08/2010
Cent_Sect Kawas ST2C	116	01/07/2010	00.08		Continued.	Annual Overhaul.	19/08/2010
Parli Unit 4	210	05/07/2010	09.27		Continued.	Capital Overhaul	19/08/2010
Koyna ST-IV 1	250	16/07/2010	00.00		Continued.	Preparing Work for 2nd Lake Tapping.	15/11/2010
Koyna ST-IV 2	250	16/07/2010	00.00		Continued.	Preparing Work for 2nd Lake Tapping.	15/11/2010
Koyna ST - IV 4	250	16/07/2010	00.00		Continued.	Preparing Work for 2nd Lake Tapping.	15/11/2010
Koyna ST - IV 3	250	16/07/2010	00.00		Continued.	Preparing Work for 2nd Lake Tapping.	15/11/2010
Bhusawal Unit 3	210	31/07/2010	05.26		Continued.	AOH.	15/09/2010
Cent_Sect KARPR2	220	14/08/2010	14:16		Continued.	Annual Overhaul.	30/08/2010
FORCED OUTAGE							
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Uran Unit 3	60	16/06/2010	19.52		Continued.	R.M.Work.	
Parli Unit 1	30	18/06/2010	12:11		Continued.	For Scrapping.	
Dabhol 2A	230	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	23/08/2010
Dabhol 2B	230	12/07/2010	01.55		Continued.	Tripped due to Elect.Fault	23/08/2010
Dabhol 2X	290	12/07/2010	01.55		Continued.	Tripped due to Elect.Fault	23/08/2010
Koradi Unit 4	115	05/08/2010	10.02		Continued.	Condensor tube leakage.	16/08/2010
Bhusawal Unit 1	58	10/08/2010	06.05		Continued.	Wet Coal	
Tata Trombay 5	500	12/08/2010	09.55		Continued.	Boiler tube leakage.	17/08/2010
Parli Unit 5	210	13/08/2010	21.07		Continued.	Furnance pressure high.	16/08/2010
Paras Unit 4	250	14/08/2010	11:40	16/08/2010	05.34	Bunkering problem.	
Khaparkheda Unit 2	210	14/08/2010	22:08		Continued.	Boiler Tube Leakage.	17/08/2010
Cent_Sect NTPC(V-7)	500	15/08/2010	02:03		Continued.	Boiler Tube Leakage.	17/08/2010
Parli Unit 3	210	15/08/2010	05.20	15/08/2010	12.53	Boiler Trip.	
Koradi Unit 3	105	15/08/2010	14.26		Continued.	Tripped due to LT supply fail	
Parli Unit 7	250	15/08/2010	15.35	15/08/2010	20.13	Reheater protection operated	
Parli Unit 3	210	15/08/2010	22:55	16/08/2010	04.12	Furnace Pressure high.	
Paras Unit 2	55	15/08/2010	23.33	16/08/2010	06.02	Tripped due to Wet Coal	
Khaparkheda Unit 4	210	16/08/2010	02.50		Continued.	Tripped on Generator side Liquid sealing leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Aug/2010

Position as on 6.30 Hrs of 16/Aug/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Kalmeshwar - Pandurna	07/08/2010	20.48		Continued.	Main Breaker Trip Ckt Faulty Indication.Ckt on TBC.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Akola - II	11/07/2010	13.07		Continued.	Over Voltage
Akola - Aurangabad - I	06/08/2010	10.56		Continued.	Changeover.
Dhule-Sar'Sarovar - II	12/08/2010	18.18		Continued.	Over Voltage
Kolhapur - Mapusa - II	12/08/2010	21.27		Continued.	H/T for O/V.
Dhule-Sar'Sarovar - I	15/08/2010	00.13		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Khandwa-I	13/08/2010	15.08	15/08/2010	06.33	Trip on O/V.
Wardha - Akola - I	15/08/2010	16.03		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Reactor of Chandrapur - Parli - II @ Parli	12/08/2009	10.15		Continued.	Bushing Problem.
Lonikand- Koyna Stage IV	16/07/2010	10.52		Continued.	E/W Replacement Work (Ready)
Main Bus - I @ Lamboti.	11/08/2010	10.01		Continued.	Removing Existing Jumper & Main Bus -I to Top Bus for ICT-II.
Main Bus-I At Stage-4 Koyna.	12/08/2010	11.50		Continued.	R.M.Work.
Padgha - Kalwa- I	15/08/2010	14.44	15/08/2010	19.36	CT Replacement work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125MVA ICT-IV @ Kalwa	02/08/2010	10.10		Continued.	Replacement of 125 MVA ICT by 200 MVA New ICT.
220/132 KV 150 MVA ICT - I @ NSK.	15/08/2010	15.22	15/08/2010	16.30	Oil Leakage from Neutral Bushing
Voltage Level : 400KV			Outage Type HAND TRIPPED		
80 MVAR Line Reactor of Lonikand - Karad @ Karad	04/03/2010	11.58		Continued.	Red Hot Spot Observed on Earthing.
Bhusawal- Aurangabad	31/07/2010	22.27		Continued.	Over Voltage.
Dhule - Babhaleshwar - I	16/08/2010	02.42		Continued.	Over Voltage
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Kanhan - Mansar.	15/08/2010	18.45		Continued.	B phase CT Oil Leakage at Mansar
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Khaparkheda	24/07/2010	19.54		Continued.	Over Voltage.
Karad - Kolhapur - I	27/07/2010	18.42		Continued.	Over Voltage.
Karad - Kolhapur - I	15/08/2010	18.09		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 200 MVA ICT - II @ Theur	01/06/2010	03.57		Continued.	Oil Tank Burst.
Lote - N.Koyna	15/08/2010	13.06	15/08/2010	13.55	Distance Protection
Bale-Murud	15/08/2010	13.16	15/08/2010	19.12	Dist.Prot.Loc.no.24,R phase Disc Insulator replaced
Khaparkheda-Kawlewada-II	15/08/2010	15.00	15/08/2010	20.23	Dist.Prot.,Loc.no.19,Disc Insulator replaced

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Aug/2010

Position as on 6.30 Hrs of 16/Aug/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Apta-Nagothane	15/08/2010	21.10		Continued.	R phase LA Flashover and Wave Trap fallen.
220/100 KV 200 MVA ICT-II @ Apta	15/08/2010	21.10		Continued.	Tripped on Diff.prot.CTR system operated
Voltage Level : 132KV			Outage Type TRIPPED		
Harangul - Nilanga	15/08/2010	04.15	15/08/2010	04.25	Distance Protection
Muktainagar-Bodwad	15/08/2010	07.09	15/08/2010	09.40	Distance Protection
Pachora - Chalisgaon - I	15/08/2010	19.19		Continued.	B phase CVT Burnt

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Aug/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	65
Unit 2	105	60
Unit 3	105	0
Unit 4	105	0
Unit 5	200	130
Unit 6	210	130
Unit 7	210	130
	1040	515
Bhusawal		
Unit 1	58	0
Unit 2	210	100
Unit 3	210	0
	478	100
Parli		
Unit 1	30	0
Unit 2	30	20
Unit 3	210	100
Unit 4	210	0
Unit 5	210	0
Unit 6	250	180
Unit 7	250	
	1190	300
Chandrapur		
Unit 1	210	130
Unit 2	210	110
Unit 3	210	0
Unit 4	210	130
Unit 5	500	300
Unit 6	500	300
Unit 7	500	325
	2340	1295
Paras		
Unit 2	55	0
Unit 3	250	195
Unit 4	250	
	555	195
Khaparkheda		
Unit 1	210	155
Unit 2	210	0
Unit 3	210	160
Unit 4	210	0
	840	315
Nasik		
Unit 1	120	60
Unit 2	120	60
Unit 3	210	120
Unit 4	210	160
Unit 5	210	140
	870	540
Koyna		
Stage 1-2	600	600
Stage 4	1000	0
Stage 3	320	320
	1920	920
Uran		
All Units	852	640

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	640
Hydro		
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	9
BHIRA T.R.	80	80
RNGR+BHTSA	20	3
BHANDARDRA	45	15
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	176
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		
TOTAL CPP	0	
	0	
Dabhol		
RGPPL	960	1250
	960	1250
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3632
	3143	3632

	17376	7 of 7	11755
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