



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

State Load Dispatch Center, Airoli

Daily system Report

for

06/Jul/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 06/Jul/2010 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	81.816	476.025	1) Madhya Pradesh	64.966	348.450
2) Hydro	3.204	37.213	2) Gujrat	16.875	104.174
3) Gas	15.881	92.084	3) Goa	-5.674	-33.345
Total MSGENCO	100.901	605.322	4) TAPS 1&2 (Inj.)	7.354	42.885
B) OTHERS			5) Pench (Excess)	0.000	-0.064
1) RGPPL Gas	25.817	156.099	# Total Cent. Sector	83.521	462.100
2) Wind Generation	14.883	74.452	F) Other Exchanges		
3) CPP	4.935	28.660	1) With TPCL (Excess)	-9.165	-43.370
4) PENCH (MS)	0.000	0.064	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	-2.045	-15.222
1) TPCL Thermal	27.729	167.131	Include PX	2.612	13.214
2) TPCL Hydro	1.839	11.960	2) MUMBAI Bilateral	10.383	49.862
TOTAL TPCL	29.568	179.091	Include PX	3.175	15.145
3) REL Thermal	12.636	75.781	3) MUMBAI Schedule	10.383	49.862
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	122.181	718.937	1) MSEDCL	220.892	1283.327
2) Hydro (A2+B3+C2)	5.043	49.237	2) TPCL	33.452	194.059
3) Gas (A3+B1)	41.698	248.183	3) REL	17.916	104.179
4) Wind (B2)	14.883	74.452	TOTAL STATE	272.260	1581.565
5) CPP (B3)	4.935	28.660			
TOTAL STATE	188.740	1119.469			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	3306	3478	3491
MSGENCO Hydro	154	243	35
MSGENCO Gas	664	654	666
MSGENCO Total Generation	4124	4375	4192
Central Sector Receipt	3486	4288	2934
RGPPL	997	983	1053
WIND	793	542	498
CPP	216	187	201
Exchange with TPCL	-598	-563	-182
MSEDCL DEMAND MET	9018	9812	8696
Load Shedding	2105	2692	0
MSEDCL DEMAND (INCL. LS)	11123	12504	8696
TPCL GENERATION	1511	1407	886
REL GENERATION	527	523	530
TPCL+REL DEMAND	2636	2493	1598
STATE DEMAND MET	11654	12305	10294
STATE DEMAND (INCL. LS)	13759	14997	10294
Frequency (Hz)	49.98	49.73	50.10
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3624 mw at 20.00 hrS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			54.56 muS.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.45 Hz at 03.45 Hrs	49.35 Hz at 19.13 Hrs	50	0 % of Time

* 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 06/Jul/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.25	2.68	67	0	0
Unit 3	1.66	9.22	80	47	70
Unit 4	0.43	4.30	80	0	50
Unit 5	0.00	0.00	0	0	0
Unit 6	2.68	18.68	141	63	130
Unit 7	2.90	19.10	145	85	150
	7.92	53.97			400
Bhusawal					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.99	17.98	180	155	180
Unit 3	3.88	23.00	170	150	170
	7.88	40.98			350
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	1.10	6.43	112	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	2.07	13.67	120	0	0
Unit 6	4.98	25.79	244	170	180
Unit 7	3.15	16.62	251	0	0
	11.30	62.51			180
Chandrapur					
Unit 1	2.85	17.79	129	108	160
Unit 2	2.67	16.88	119	97	130
Unit 3	0.00	0.00	0	0	0
Unit 4	3.55	23.55	188	85	190
Unit 5	0.00	0.00	0	0	0
Unit 6	7.77	21.12	400	235	300
Unit 7	0.00	0.00	0	0	0
	16.83	79.33			780
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	2.68	25.88	172	60	100
Unit 4	3.59	23.93	235	0	0
	6.27	49.81			100
Khaparkheda					
Unit 1	3.95	22.24	190	135	160
Unit 2	3.88	22.51	178	147	160
Unit 3	4.00	23.66	185	155	160
Unit 4	4.02	23.42	176	160	170
	15.84	91.83			650
Nasik					
Unit 1	1.94	10.94	92	65	80
Unit 2	1.22	8.58	77	41	55
Unit 3	4.24	26.50	185	170	180
Unit 4	4.18	25.93	184	161	180
Unit 5	4.21	25.65	185	166	180
	15.79	97.60			675
Koyna					
Stage 1-2	1.22	11.70	115	35	600
Stage 4	0.71	10.40	396	0	250
Stage 3	0.57	6.41	178	0	320
	2.49	28.51			1170
Kovna 12&4 Total	1.92	22.10			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.88	92.08	681	639	650
		15.88	92.08			650
Hydro						
KDPH		0.00	0.00	0	0	0
VTRNA		0.00	0.00	0	0	0
TILLARI		0.24	0.87	60	0	50
BHTGR/VEER		0.00	0.04	0	0	0
BHIRA T.R.		0.12	1.54	40	0	30
RNGR+BHTSA		0.02	0.17	2	0	0
BHANDARDRA		0.00	0.00	0	0	0
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.05	0.32	9	0	0
GHATGHAR		0.29	5.75	125	0	0
		0.71	8.70			80
PENCH (MS)						
Pench (MS)		0.00	0.06	0	0	
		0.00	0.06			
Wind						
MalharPeth		0.60	2.84			
Vankuswadi		1.57	7.57			
ATIT		0.24	1.13			
Kale		0.73	3.05			
Satara		0.57	7.85			
Shirala		0.44	2.40			
K Mahankal		2.07	6.11			
Supa		0.26	1.25			
Vita		2.63	15.74			
Dondaicha		3.00	14.08			
Sakri		0.70	2.68			
Nandurbar		0.24	1.75			
Khadakale		1.21	5.15			
Khaparale		0.61	2.86			
		14.88	74.45			
CPP						
TOTAL CPP		4.94	28.66			
		4.94	28.66			
Dabhol						
RGPPL		25.82	156.10	1347	983	1250
		25.82	156.10			1250
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		10.02	59.86	460	270	500
Trombay 6		7.26	46.03	510	150	500
Trombay 7A		2.88	16.16	122	118	120
Trombay 7B		1.57	9.15	67	65	60
Trombay 8		6.00	35.93	250	250	250
TATA Hydro		1.84	11.96	261	0	447
		29.57	179.09			1877
REL						
1&2		12.64	75.78	530	523	500
		12.64	75.78			500
Cent Sect						
Share						3091
						3091
MS PG CL	Thermal	81.82	476.02			3135
	Thml+Gas	97.70	568.11			3785
	Hydro	3.20	37.21			1250
	Total	100.90	605.32			5035
State Total		188.74	1119.47			11753

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 06/Jul/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	3603	35	668	4306	1028	504	176	2544	3256	-324	-281	8989	0	8989	1743	10732	49.96
2	3491	35	666	4192	1053	498	201	2450	2934	-233	-182	8696	0	8696	1598	10294	50.10
3	3445	40	667	4152	1222	494	239	2356	2852	-141	-86	8873	0	8873	1470	10343	50.17
4	3459	50	667	4176	1347	489	228	2358	2927	-141	-71	9096	0	9096	1457	10553	50.29
5	3332	50	663	4045	1343	577	190	2311	3018	-94	-44	9129	0	9129	1428	10557	50.12
6	3424	45	681	4150	1341	562	208	2308	3187	-94	-41	9407	345	9752	1495	11247	50.02
7	3617	45	674	4336	1201	611	218	2294	3205	-141	-102	9469	859	10328	1644	11972	50.12
8	3522	45	673	4240	994	632	186	2341	3642	-186	-145	9549	861	10410	1759	12169	50.16
9	3602	55	670	4327	986	718	206	2445	3505	-277	-235	9507	967	10474	2016	12490	50.02
10	3296	99	672	4067	984	815	203	2717	3728	-427	-399	9398	1747	11145	2343	13488	50.03
11	3186	107	672	3965	992	751	199	3003	3537	-636	-598	8846	1908	10754	2583	13337	49.95
12	3306	154	664	4124	997	793	216	2973	3486	-636	-598	9018	2105	11123	2636	13759	49.98
13	3412	99	665	4176	992	795	198	2960	3220	-636	-580	8801	2098	10899	2589	13488	49.99
14	3374	40	662	4076	992	738	209	2960	3430	-636	-580	8865	1903	10768	2549	13317	50.10
15	3310	40	651	4001	987	805	209	2946	3484	-636	-580	8906	2001	10907	2527	13434	49.95
16	3270	47	652	3969	984	753	218	2895	3161	-636	-582	8503	2053	10556	2517	13073	49.91
17	3213	52	649	3914	983	855	206	2890	3176	-636	-585	8549	2065	10614	2542	13156	49.95
18	3325	42	639	4006	984	774	199	2869	3392	-612	-559	8796	1852	10648	2503	13151	49.93
19	3454	126	642	4222	985	640	202	3002	3648	-612	-558	9139	1894	11033	2459	13492	49.84
20	3478	243	654	4375	983	542	187	3078	4288	-615	-563	9812	2692	12504	2493	14997	49.73
21	3514	583	655	4752	986	459	170	3093	4062	-615	-564	9865	2277	12142	2468	14610	49.84
22	3519	735	657	4911	1035	417	199	2976	4166	-497	-444	10284	2012	12296	2298	14594	49.86
23	3443	396	661	4500	1126	329	236	2920	4318	-461	-396	10113	1608	11721	2188	13909	49.94
24	3223	41	657	3921	1292	333	232	2830	3898	-461	-392	9284	1556	10840	2064	12904	49.94
MUs	81.82	3.20	15.88	100.90	25.82	14.88	4.94	65.52	83.52	-10.38	-9.16	220.89	32.80	253.70	51.37	305.07	50.00

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 06/Jul/2010

Position as on 6.30 Hrs of 07/Jul/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 5	500	16/04/2010	15.49		Continued.	Water Balancing Problem.	08/07/2010
Chandrapur Unit 7	500	25/04/2010	00.23		Continued.	Water Balancing Problem.	08/07/2010
Chandrapur Unit 3	210	26/05/2010	23.59		Continued.	Water Balancing Problem.	08/07/2010
Koradi Unit 5	200	26/06/2010	02:33		Continued.	Annual Overhaul.	20/07/2010
Cent_Sect NTPC (K-2)	210	30/06/2010	23.46		Continued.	Annual Overhaul.	25/07/2010
Cent_Sect NTPC(V) 9	500	01/07/2010	00.04		Continued.	Annual Overhaul.	25/07/2010
Cent_Sect Kawas ST2C	116	01/07/2010	00.08		Continued.	Annual Overhaul.	25/07/2010
Parli Unit 4	210	05/07/2010	09.27		Continued.	Capital Overhaul	07/08/2010
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	
Paras Unit 2	55	13/06/2010	17.35		Continued.	For Scrapping.	
Uran Unit 3	60	16/06/2010	19.52		Continued.	R.M.Work.	
Tata Trombay 4	150	18/06/2010	01.40		Continued.	Low demand.	
Bhusawal Unit 1	58	18/06/2010	05:10		Continued.	For Scrapping.	
Parli Unit 2	30	18/06/2010	06:26		Continued.	For Scrapping.	
Parli Unit 1	30	18/06/2010	12:11		Continued.	For Scrapping.	
Dabhol 1B	230	18/06/2010	13.09		Continued.	Unit Differential.	10/07/2010
Dabhol 1A	230	18/06/2010	13.09		Continued.	Unit Differential.	10/07/2010
Dabhol 1X	290	18/06/2010	13.09		Continued.	Unit Differential.	10/07/2010
Koradi Unit 1	105	28/06/2010	05.53		Continued.	Low Bunkering.	
Cent_Sect TARAPUR-4	540	28/06/2010	05.54		Continued.	System Deficiency.	08/07/2010
Koradi Unit 4	115	04/07/2010	03.13	06/07/2010	02.43	Condensor Tube Leakage	
Parli Unit 3	210	05/07/2010	09.35	06/07/2010	08.43	M S Temperature Low.	
Dabhol 3A	230	05/07/2010	13.22	06/07/2010	00.12	Exhauster Temp.High.	
Parli Unit 5	210	06/07/2010	01.23	06/07/2010	06.12	Turbine Protection.	
Koradi Unit 2	105	06/07/2010	03.50	07/07/2010	01.45	Tripped.	
Dabhol 3A	230	06/07/2010	06.32	06/07/2010	20.55	Exhaust Temp.High.	
Parli Unit 7	250	06/07/2010	09.15	06/07/2010	13.33	Furnace Pressure Low.	
Koradi Unit 4	115	06/07/2010	10.03		Continued.	Boiler Tube Leakage.	09/07/2010
Paras Unit 4	250	06/07/2010	14.56	06/07/2010	17.20	AVR Problem.	
Parli Unit 7	250	06/07/2010	16.10	06/07/2010	17.42	Trip.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 06/Jul/2010

Position as on 6.30 Hrs of 07/Jul/2010

Name of Generating Unit	Capacity	Tripped Date	Trippe d Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Parli Unit 7	250	06/07/2010	23.03		Continued.	Generator Protection Operated.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 06/Jul/2010

Position as on 6.30 Hrs of 07/Jul/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Mapusa Ckt I	15/06/2010	22.36	06/07/2010	16.26	Over Voltage.
Akola - Wardha - II	16/06/2010	14.53		Continued.	Due to Line Loading.
Akola - Aurangabad - I	25/06/2010	14.10		Continued.	To control Aurangabad ICT loading
Dhule-Sar'Sarovar - I	26/06/2010	17.37		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	02/07/2010	22.19		Continued.	Over Voltage
Kolhapur-Mapusa-II	06/07/2010	16.31		Continued.	Hand Tripped.
Voltage Level : 400KV			Outage Type TRIPPED		
Akola - Aurangabad - I	07/07/2010	00.20		Continued.	Main & Tie Breaker Trip.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Line Reactor of LN at Parli.	13/05/2010	07.58		Continued.	Overhauling of Line Reactor of Lonikand -I at Parli.
Chandrapur-Khaparkheda	06/07/2010	15.16	06/07/2010	18.05	Numerical Relay Testing Work of Line.Ckt is Ready for Charging.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT - I @ Ranjangaon	18/05/2010	13.48		Continued.	Transformer Augmentation work.
220/132KV,200MVA ICT-II at Amravati	05/07/2010	10.24		Continued.	Replacement of CT's & L A'S.
220/100KV,100MVA ICT-IV at K'gaon	06/07/2010	08.25	06/07/2010	17.50	WTI and OTF Replacement Work.
Chandrapur-Chandrapur MIDC	06/07/2010	08.50		Continued.	Wiring Work of Auto Reclosing Ckt.R/M.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
M.Bus-I at Kalmeshwar	30/06/2010	14.35		Continued.	Isolator alignment work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/100KV,125MVA ICT-III at Kalwa	06/07/2010	07.55	06/07/2010	09.42	Attending C.T.Clamp Hot Spot.
220/33 KV 50 MAV T/F- II @ Peth	06/07/2010	09.40	06/07/2010	12.10	Q.M.Work.
220/132 KV 150 MVA ICT - I @ NSK.	06/07/2010	10.18	06/07/2010	12.59	L V C T Tandelta Measurment Work.
Nasik-Bablsr Ckt II	06/07/2010	11.10	06/07/2010	18.49	Replacement of L A Relay.
Bale-Murud	06/07/2010	11.30	06/07/2010	17.58	Retrofitting Work.
Karad-Oglewadi-I	06/07/2010	11.42	06/07/2010	15.55	Q.M.Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	19/06/2010	22.51		Continued.	Over Voltage
Karad-Kolhapur-II	02/07/2010	18.03		Continued.	Over Voltage
Koradi - Kaparkheda	02/07/2010	20.12		Continued.	Over Voltage
C'pur-Parli II	06/07/2010	01.20	06/07/2010	05.34	Over Voltage.
Lonikand-Karad	06/07/2010	21.48		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Kolhapur - Karad - II	05/07/2010	19.52		Continued.	Due to Breaker Compressor Problem.
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5/6.6 KV 70 MVA Str.T/F 5B at 400KV Khaparkheda	25/04/2010	03.59		Continued.	B-Ph,HV Bushing Burst and Caught Fire.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 06/Jul/2010

Position as on 6.30 Hrs of 07/Jul/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Chandrapur-Khaparkheda	02/07/2010	20.11		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 200 MVA ICT - II at Theur	01/06/2010	03.57		Continued.	Oil Tank Burst.
Voltage Level : 132KV			Outage Type TRIPPED		
Kawlewada-Gondia-II	06/07/2010	18.50	06/07/2010	19.15	Dist.Prot.
Bhandara-Madgi CKT.II	06/07/2010	20.25	06/07/2010	20.35	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 07/Jul/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	45
Unit 3	105	80
Unit 4	105	0
Unit 5	200	0
Unit 6	210	125
Unit 7	210	140
	1040	390
Bhusawal		
Unit 1	58	0
Unit 2	210	180
Unit 3	210	170
	478	350
Parli		
Unit 1	30	0
Unit 2	30	0
Unit 3	210	50
Unit 4	210	0
Unit 5	210	110
Unit 6	250	180
Unit 7	250	
	1190	340
Chandrapur		
Unit 1	210	150
Unit 2	210	120
Unit 3	210	0
Unit 4	210	190
Unit 5	500	0
Unit 6	500	350
Unit 7	500	0
	2340	810
Paras		
Unit 2	55	0
Unit 3	250	184
Unit 4	250	
	555	184
Khaparkheda		
Unit 1	210	180
Unit 2	210	160
Unit 3	210	170
Unit 4	210	170
	840	680
Nasik		
Unit 1	120	71
Unit 2	120	46
Unit 3	210	172
Unit 4	210	162
Unit 5	210	162
	870	613
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	650

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	650
Hydro		
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	2
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	102
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	
Khadakale	0	
Khaparale	0	
	0	
CPP		
TOTAL CPP	0	
	0	
Dabhol		
RGPPL	960	1260
	960	1260
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	3143	3007
	3143	3007

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