



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Jun/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/Jun/2010 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	69.700	1706.377	1) Madhya Pradesh	65.254	1374.955
2) Hydro	10.385	178.113	2) Gujrat	25.174	468.940
3) Gas	15.095	336.887	3) Goa	-5.912	-132.441
Total MSGENCO	95.180	2221.377	4) TAPS 1&2 (Inj.)	7.232	152.209
B) OTHERS			5) Pench (Excess)	0.000	-3.688
1) RGPPL Gas	22.918	722.570	# Total Cent. Sector	91.748	1859.975
2) Wind Generation	17.234	247.508	F) Other Exchanges		
3) CPP	3.787	103.980	1) With TPCL (Excess)	-11.553	-196.254
4) PENCH (MS)	0.000	3.688	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	8.058	179.677
1) TPCL Thermal	24.720	629.246	Include PX	4.131	54.311
2) TPCL Hydro	5.665	62.270	2) MUMBAI Bilateral	12.142	216.253
TOTAL TPCL	30.385	691.516	Include PX	0.616	7.137
3) REL Thermal	12.567	263.062	3) MUMBAI Schedule	12.142	216.253
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	106.987	2598.685	1) MSEDCL	219.314	4962.844
2) Hydro (A2+B3+C2)	16.050	244.071	2) TPCL	35.006	737.463
3) Gas (A3+B1)	38.013	1059.457	3) REL	19.499	413.367
4) Wind (B2)	17.234	247.508	TOTAL STATE	273.819	6113.674
5) CPP (B3)	3.787	103.980			
TOTAL STATE	182.071	4253.701			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	3038	2787	2943
MSGENCO Hydro	84	1811	43
MSGENCO Gas	622	617	640
MSGENCO Total Generation	3744	5215	3626
Central Sector Receipt	4159	3732	3443
RGPPL	950	949	963
WIND	703	786	694
CPP	156	163	179
Exchange with TPCL	-686	-475	-123
MSEDCL DEMAND MET	9026	10370	8782
Load Shedding	2222	2448	1286
MSEDCL DEMAND (INCL. LS)	11248	12818	10068
TPCL GENERATION	1586	1434	968
REL GENERATION	526	523	524
TPCL+REL DEMAND	2798	2432	1615
STATE DEMAND MET	11824	12802	10397
STATE DEMAND (INCL. LS)	14046	15250	11683
Frequency (Hz)	49.84	49.38	49.81
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3567 MW AT 21.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			61.19 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.19 Hz at 10.04 Hrs	48.89 Hz at 21.36 Hrs	49.73	.35 % 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 21/Jun/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.52	32.13	71	58	70
Unit 2	0.00	14.21	0	0	0
Unit 3	1.34	32.37	69	21	40
Unit 4	0.00	19.58	0	0	0
Unit 5	1.10	47.92	115	0	110
Unit 6	2.34	40.79	130	70	100
Unit 7	1.98	61.94	120	35	70
	8.29	248.94			390
Bhusawal					
Unit 1	0.00	8.10	0	0	0
Unit 2	4.03	58.82	180	150	160
Unit 3	0.00	71.01	0	0	0
	4.03	137.92			160
Parli					
Unit 1	0.00	9.02	0	0	0
Unit 2	0.00	8.98	0	0	0
Unit 3	3.77	85.49	180	129	160
Unit 4	1.95	69.92	95	66	80
Unit 5	2.86	72.09	129	103	120
Unit 6	3.95	105.30	256	0	250
Unit 7	5.28	71.66	236	191	0
	17.81	422.47			610
Chandrapur					
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	4.25	86.90	186	158	190
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	0.00	0	0	0
Unit 7	0.00	0.00	0	0	0
	4.25	86.90			190
Paras					
Unit 2	0.00	7.95	0	0	0
Unit 3	5.64	118.79	250	215	250
Unit 4	0.00	59.99	0	0	0
	5.64	186.73			250
Khaparkheda					
Unit 1	3.63	87.19	175	105	150
Unit 2	3.66	73.91	163	131	150
Unit 3	2.71	85.64	184	0	150
Unit 4	3.97	74.85	182	151	150
	13.98	321.59			600
Nasik					
Unit 1	2.23	35.29	100	87	90
Unit 2	2.06	33.25	99	52	85
Unit 3	3.56	89.86	175	0	170
Unit 4	4.02	51.32	180	136	170
Unit 5	3.83	92.11	172	139	170
	15.70	301.83			685
Koyna					
Stage 1-2	2.20	46.72	410	35	600
Stage 4	4.78	64.49	1101	0	250
Stage 3	1.18	25.82	292	0	320
	8.16	137.02			1170
Kovna 12&4 Total	6.98	111.21			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.10	336.89	647	615	630
		15.10	336.89			630
Hydro						
KDPH		0.00	3.26	0	0	0
VTRNA		0.00	5.09	0	0	0
TILLARI		0.00	0.00	0	0	0
BHTGR/VEER		0.00	1.29	0	0	0
BHIRA T.R.		0.33	4.10	41	0	40
RNGR+BHTSA		0.06	1.32	3	2	3
BHANDARDRA		0.00	0.00	0	0	0
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.00	3.90	0	0	0
GHATGHAR		1.83	22.13	250	0	0
		2.23	41.09			43
PENCH (MS)						
Pench (MS)		0.00	3.69	0	0	0
		0.00	3.69			0
Wind						
MalharPeth		0.32	7.56			
Vankuswadi		1.04	15.65			
ATIT		0.16	5.78			
Kale		0.36	6.86			
Satara		0.40	11.56			
Shirala		0.28	7.20			
K Mahankal		1.69	11.50			
Supa		0.29	3.32			
Vita		3.00	40.33			
Dondaicha		6.15	88.25			
Sakri		1.07	14.44			
Nandurbar		0.81	11.21			
Khadakale		0.92	13.36			
Khaparale		0.76	10.48			
		17.23	247.51			
CPP						
TOTAL CPP		3.79	103.98			
		3.79	103.98			
Dabhol						
RGPPL		22.92	722.57	966	946	930
		22.92	722.57			930
Tata						
Trombay 4		0.00	43.44	0	0	0
Trombay 5		10.83	225.69	455	400	475
Trombay 6		5.07	158.06	290	150	500
Trombay 7A		2.71	59.71	122	104	120
Trombay 7B		1.39	31.46	66	40	60
Trombay 8		4.72	110.89	200	188	200
TATA Hydro		5.66	62.27	459	0	447
		30.38	691.52			1802
REL						
1&2		12.57	263.06	526	521	500
		12.57	263.06			500
Cent Sect						
Share						3575
						3575
MS PG CL	Thermal	69.70	1706.38			2885
	Thml+Gas	84.80	2043.26			3515
	Hydro	10.38	178.11			1213
	Total	95.18	2221.38			4728
State Total		182.07	4253.70			11535

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/Jun/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	2974	363	631	3968	961	547	162	3460	4103	-472	-455	9286	1330	10616	1899	12515	49.64
2	2946	158	637	3741	963	629	158	3226	3669	-248	-214	8946	1638	10584	1665	12249	49.80
3	2949	43	642	3634	963	617	163	3133	3453	-158	-118	8712	1539	10251	1631	11882	49.89
4	2930	43	647	3620	966	650	166	3133	3483	-158	-96	8789	1315	10104	1627	11731	50.01
5	2943	43	640	3626	963	694	179	3123	3443	-158	-123	8782	1286	10068	1615	11683	49.81
6	2936	43	641	3620	963	684	167	3102	3443	-158	-124	8753	1485	10238	1649	11887	49.79
7	3101	43	643	3787	964	661	168	3203	3115	-128	-96	8599	1993	10592	1735	12327	49.83
8	3177	48	642	3867	961	844	160	3344	3360	-263	-233	8959	1810	10769	1856	12625	49.82
9	3182	43	641	3866	958	886	158	3389	3529	-388	-365	9032	2030	11062	2093	13155	49.85
10	3065	47	628	3740	951	890	156	3842	4150	-706	-700	9187	2148	11335	2490	13825	49.71
11	3050	83	630	3763	954	738	147	4132	3984	-788	-778	8808	2271	11079	2749	13828	49.93
12	3038	84	622	3744	950	703	156	4041	4159	-700	-686	9026	2222	11248	2798	14046	49.84
13	3016	84	626	3726	954	691	150	4022	4120	-699	-694	8947	2145	11092	2769	13861	49.89
14	2967	38	617	3622	950	534	152	4053	4610	-747	-742	9126	2025	11151	2744	13895	49.77
15	2990	297	615	3902	946	862	138	4066	4209	-804	-796	9261	2230	11491	2728	14219	49.54
16	2713	293	622	3628	949	580	143	3948	4235	-804	-797	8738	2653	11391	2770	14161	49.74
17	2573	388	616	3577	946	822	138	3909	4122	-804	-795	8810	2602	11412	2718	14130	49.66
18	2620	371	628	3619	948	773	142	3899	4147	-804	-799	8830	2500	11330	2667	13997	49.73
19	2664	438	625	3727	951	706	148	3486	3948	-605	-590	8890	2782	11672	2517	14189	49.73
20	2751	1258	620	4629	949	671	148	3560	3796	-511	-493	9700	2899	12599	2501	15100	49.56
21	2787	1811	617	5215	949	786	163	3597	3732	-511	-475	10370	2448	12818	2432	15250	49.38
22	2792	1778	621	5191	951	739	171	3700	3869	-511	-467	10454	2177	12631	2355	14986	49.49
23	2792	1522	623	4937	954	775	180	3650	3643	-507	-461	10028	1745	11773	2274	14047	49.52
24	2845	1066	621	4532	954	752	174	3559	3426	-507	-456	9382	1734	11116	2223	13339	49.55
MUs	69.80	10.38	15.10	95.28	22.92	17.23	3.79	86.58	91.75	-12.14	-11.55	219.42	49.01	268.42	54.50	322.93	49.73

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 21/Jun/2010

Position as on 6.30 Hrs of 22/Jun/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 6	500	01/04/2010	01.15		Continued.	Annual Overhaul	26/06/2010
Chandrapur Unit 1	210	08/04/2010	08.36		Continued.	Annual Overhaul	30/06/2010
Dabhol 2B	230	15/04/2010	01.40		Continued.	Control System modification work	25/06/2010
Chandrapur Unit 5	500	16/04/2010	15.49		Continued.	Water Balancing Problem.	25/06/2010
Chandrapur Unit 2	210	18/04/2010	21.38		Continued.	Clinker Formation.	30/06/2010
Chandrapur Unit 7	500	25/04/2010	00.23		Continued.	Water Balancing Problem.	30/06/2010
Chandrapur Unit 3	210	26/05/2010	23.59		Continued.	Water Balancing Problem.	30/06/2010
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.	Coal Cycle Problem.	
Paras Unit 4	250	15/06/2010	20.55		Continued.	Clinker Formation.	
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 scraping.	
Parli Unit 2	30	18/06/2010	06.26		Continued.	For Scraping.	
Parli Unit 1	30	18/06/2010	12.11		Continued.	For scraping.	
Dabhol 1B	230	18/06/2010	13.09		Continued.	Unit Differential.	
Dabhol 1A	230	18/06/2010	13.09		Continued.	Unit Differential.	
Dabhol 1X	290	18/06/2010	13.09		Continued.	Unit differential.	
Bhusawal Unit 3	210	19/06/2010	12.41	22/06/2010	03.50	Boiler Tube Leakage	
Koradi Unit 2	105	20/06/2010	08.06		Continued.	Coal Problem.	
Koradi Unit 4	115	20/06/2010	18.44		Continued.	Boiler Tube Leakage.	24/06/2010
Koradi Unit 5	200	21/06/2010	11.17		Continued.	Bunkering Problem.	
Parli Unit 6	250	21/06/2010	15.10	21/06/2010	19.05	Furnace Pressure High.	
Khaparkheda Unit 3	210	21/06/2010	15.22	21/06/2010	22.10	Flame Failure.	
Nasik Unit 3	210	21/06/2010	22.05		Continued.	Boiler Hopper Leakage.	25/06/2010
Uran Unit 7	108	22/06/2010	00.35		Continued.	Filter Replacement.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Jun/2010

Position as on 6.30 Hrs of 22/Jun/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
HALKARNI-TILLARY	21/06/2010	08.15	21/06/2010	17.45	LILLO Work @ Halkarni.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad - II	12/06/2010	23.02		Continued.	Main Breaker Problem at A,Bad end
Kolhapur-Mapusa Ckt I	15/06/2010	22.36		Continued.	H/T For O/V.
Akola - Wardha - II	16/06/2010	14.53		Continued.	H/T due to line loading.
Dhule-S'Sarovar I	17/06/2010	00.15		Continued.	H/T for O/V
Dhule-Sar'Sarovar - II	20/06/2010	00.01		Continued.	Over Voltage
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.
400/11.5 KV 90 MVA Station T/F-IV @ Chandrapur	29/05/2010	10.18		Continued.	Maintainance Work.
C'pur-Parli CKT .I	21/06/2010	07.50	21/06/2010	19.35	Replacement of Faulty Disc Insulator.Line is Ready for Charging.
400/220kv 315MVA ICT-II at Karad.	21/06/2010	10.05	21/06/2010	21.00	L A Replacement Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT - I @ Ranjangaon	18/05/2010	13.48		Continued.	Transformer Augmentation work.
220/132 KV, 100 MVA - ICT @ Bale.	03/06/2010	13.15		Continued.	Augumentation of ICT by 200MVA ICT
Momewadi-Halkarni	21/06/2010	08.32	21/06/2010	16.50	LILLO Work @ Halkarni.
Kalwa-Mahape	21/06/2010	09.25	21/06/2010	13.53	Insulator Replacement.
220/33 KV Tr.II at Kharghar	21/06/2010	11.11	21/06/2010	14.32	CRM,Relay Testing.
Apta-Kalwa	21/06/2010	14.27	21/06/2010	16.08	Insulator Replacement.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Harsool-Padegaon-Kagzipura	21/06/2010	14.10	21/06/2010	21.10	Breaker Overhaul.
Arvi-Talegaon	21/06/2010	17.45		Continued.	To Attend Main Bkr Trip Ckt Faulty Indication.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV 315 MVA ICT II AT CHAKAN	12/06/2010	13:04		Continued.	'R' phase unit replacement.
Bus Coupler @ Padgha	21/06/2010	15.47	21/06/2010	17.03	Tan'd Measurment.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	19/06/2010	22.51		Continued.	Over Voltage
Lonikand-Karad	20/06/2010	20.32	21/06/2010	18.40	For Over Voltage.
Karad-Kolhapur CKT II	20/06/2010	20.36		Continued.	For Over Voltage.
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.
Lonikand - Chakan	19/06/2010	20.37	21/06/2010	18.27	Ready For Charging from dt 19/06/10.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 200 MVA ICT	01/06/2010	03.57		Continued.	Oil tank burst.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Jun/2010

Position as on 6.30 Hrs of 22/Jun/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
- II at Theur					
Khaparkheda-Kawlewada-II	20/06/2010	16.04	21/06/2010	10.43	Distance Protection,Z-2 B Ph E/F.
Bus section - I at Trombay	21/06/2010	14.18	21/06/2010	14.20	Bus Bar Protection Operated.
220/100 125 MVA ICT - II @ Trombay	21/06/2010	14.18	21/06/2010	14.30	Bus Bar Protection Operated.
220/100 KV,125 MVA ICT-III at Trombay S/S.	21/06/2010	14.18	21/06/2010	14.32	Bus Bar Protection Operated.
Tifil-Trombay	21/06/2010	14.18	21/06/2010	14.23	Bus Bar Protection Operated.
Bus-Sec-II at Trombay	21/06/2010	14.18	21/06/2010	14.20	Bus Bar Protection Operated.
Trombay - Sonkar	21/06/2010	14.18	21/06/2010	14.22	Bus Bar Protection Operated.
Trombay-Kalwa	21/06/2010	14.18	21/06/2010	14.20	Bus Bar Protection Operated.
Chinchwad - Parvati	21/06/2010	16.26	21/06/2010	17.26	Dist.Prot.,Zone-I.
KANHAN - BHANDARA CKT II	21/06/2010	19.40		Continued.	Distance Protection Z-I Y Ph E/F.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/Jun/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	40
Unit 2	105	0
Unit 3	105	60
Unit 4	105	0
Unit 5	200	0
Unit 6	210	80
Unit 7	210	100
	1040	280
Bhusawal		
Unit 1	58	0
Unit 2	210	180
Unit 3	210	100
	478	280
Parli		
Unit 1	30	0
Unit 2	30	0
Unit 3	210	160
Unit 4	210	80
Unit 5	210	120
Unit 6	250	250
Unit 7	250	
	1190	610
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	0
Unit 4	210	190
Unit 5	500	0
Unit 6	500	0
Unit 7	500	0
	2340	190
Paras		
Unit 2	55	40
Unit 3	250	210
Unit 4	250	
	555	250
Khaparkheda		
Unit 1	210	180
Unit 2	210	170
Unit 3	210	180
Unit 4	210	180
	840	710
Nasik		
Unit 1	120	100
Unit 2	120	100
Unit 3	210	0
Unit 4	210	190
Unit 5	210	190
	870	580
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	620

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	620
Hydro		
KDPH	40	0
VTRNA	60	0
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	3
GHATGHAR	250	0
	611	43
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	930
	960	930
Tata		
Trombay 4	150	0
Trombay 5	500	470
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1847
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3569
	3143	3569