



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Jul/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 12/Jul/2010 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	75.724	938.349	1) Madhya Pradesh	68.284	705.336
2) Hydro	5.063	69.626	2) Gujrat	27.729	236.338
3) Gas	15.621	186.756	3) Goa	-5.922	-68.080
Total MSGENCO	96.408	1194.731	4) TAPS 1&2 (Inj.)	7.218	88.251
B) OTHERS			5) Pench (Excess)	0.000	-0.264
1) RGPPL Gas	17.290	332.564	# Total Cent. Sector	97.309	961.581
2) Wind Generation	20.260	159.529	F) Other Exchanges		
3) CPP	5.549	60.618	1) With TPCL (Excess)	-10.978	-99.707
4) PENCH (MS)	0.000	0.264	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	-2.648	-29.163
1) TPCL Thermal	25.563	315.811	Include PX	2.039	27.243
2) TPCL Hydro	3.282	28.023	2) MUMBAI Bilateral	11.957	112.932
TOTAL TPCL	28.845	343.834	Include PX	2.566	29.560
3) REL Thermal	12.634	151.203	3) MUMBAI Schedule	11.957	112.932
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	113.921	1405.363	1) MSEDCL	225.838	2609.580
2) Hydro (A2+B3+C2)	8.345	97.913	2) TPCL	34.375	386.778
3) Gas (A3+B1)	32.911	519.320	3) REL	18.082	207.939
4) Wind (B2)	20.260	159.529	TOTAL STATE	278.295	3204.297
5) CPP (B3)	5.549	60.618			
TOTAL STATE	180.986	2242.743			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	2967	3514	3033
MSGENCO Hydro	78	1088	58
MSGENCO Gas	662	648	653
MSGENCO Total Generation	3707	5250	3744
Central Sector Receipt	4451	4215	3782
RGPPL	659	662	665
WIND	977	730	765
CPP	208	222	240
Exchange with TPCL	-636	-576	-139
MSEDCL DEMAND MET	9366	10503	9057
Load Shedding	2755	2463	208
MSEDCL DEMAND (INCL. LS)	12121	12966	9265
TPCL GENERATION	1464	1302	841
REL GENERATION	528	528	528
TPCL+REL DEMAND	2628	2406	1508
STATE DEMAND MET	11994	12909	10565
STATE DEMAND (INCL. LS)	14749	15372	10773
Frequency (Hz)	49.94	49.92	50.15
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4594 MW AT 11.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			83.93 MUS

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.53 Hz at 19.04 Hrs	49.52 Hz at 02.08 Hrs	49.99	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 12/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	0.00	5.62	0	0	0
Unit 3	0.00	13.74	0	0	0
Unit 4	0.00	4.30	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	3.10	37.51	150	102	125
Unit 7	3.45	39.12	175	90	135
	6.55	100.28			260
Bhusawal					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.27	39.80	165	90	160
Unit 3	3.04	44.42	160	87	160
	6.31	84.22			320
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	3.21	19.28	155	80	150
Unit 4	0.00	0.00	0	0	0
Unit 5	2.47	28.59	117	72	110
Unit 6	3.36	52.83	214	116	150
Unit 7	0.00	16.62	0	0	
	9.04	117.33			410
Chandrapur					
Unit 1	2.90	30.47	138	99	150
Unit 2	2.85	31.83	134	100	150
Unit 3	0.00	0.00	0	0	0
Unit 4	4.23	47.42	190	136	190
Unit 5	0.00	0.00	0	0	0
Unit 6	7.07	58.91	335	220	300
Unit 7	7.13	17.83	383	260	300
	24.17	186.47			1090
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.25	45.18	172	72	95
Unit 4	1.17	38.42	148	0	0
	4.42	83.60			95
Khaparkheda					
Unit 1	4.09	46.61	200	150	150
Unit 2	3.27	43.94	160	106	150
Unit 3	4.04	47.19	184	150	150
Unit 4	3.80	45.76	175	144	150
	15.20	183.50			600
Nasik					
Unit 1	1.94	21.26	87	74	84
Unit 2	1.51	19.29	73	50	73
Unit 3	3.30	48.48	162	104	114
Unit 4	1.52	46.82	141	0	0
Unit 5	1.77	47.09	161	0	0
	10.03	182.95			271
Koyna					
Stage 1-2	1.82	22.07	280	35	600
Stage 4	1.66	18.22	565	0	250
Stage 3	0.70	12.23	160	0	320
	4.18	52.52			1170
Kovna 12&4 Total	3.48	40.28			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.62	186.76	667	638	630
		15.62	186.76			630
Hydro						
KDPH		0.00	0.00	0	0	0
VTRNA		0.00	0.16	0	0	0
TILLARI		0.04	1.70	42	0	24
BHTGR/VEER		0.00	0.06	0	0	0
BHIRA T.R.		0.20	3.17	41	0	40
RNGR+BHTSA		0.00	0.18	0	0	0
BHANDARDRA		0.00	0.06	0	0	0
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.24	1.30	18	8	8
GHATGHAR		0.40	10.48	125	0	0
		0.88	17.11			72
PENCH (MS)						
Pench (MS)		0.00	0.26	0	0	
		0.00	0.26			
Wind						
MalharPeth		0.78	5.97			
Vankuswadi		1.44	15.06			
ATIT		0.70	3.08			
Kale		0.44	5.30			
Satara		1.18	15.68			
Shirala		0.50	4.54			
K Mahankal		0.37	8.53			
Supa		0.20	2.52			
Vita		3.06	28.21			
Dondaicha		7.11	39.46			
Sakri		1.27	7.66			
Nandurbar		0.68	4.49			
Khadakale		1.52	11.91			
Khaparale		1.00	7.12			
		20.26	159.53			
CPP						
TOTAL CPP		5.55	60.62			
		5.55	60.62			
Dabhol						
RGPPL		17.29	332.56	1340	657	650
		17.29	332.56			650
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		10.66	122.81	480	350	450
Trombay 6		6.08	76.66	340	150	500
Trombay 7A		2.83	33.07	121	106	120
Trombay 7B		1.57	18.56	67	60	60
Trombay 8		4.43	64.70	220	150	250
TATA Hydro		3.28	28.02	375	0	447
		28.84	343.83			1827
REL						
1&2		12.63	151.20	530	522	500
		12.63	151.20			500
Cent Sect						
Share						3090
						3090
MS PG CL	Thermal	75.72	938.35			3046
	Thml+Gas	91.34	1125.10			3676
	Hydro	5.06	69.63			1242
	Total	96.41	1194.73			4918
State Total		180.99	2242.74			10985

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/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	3218	246	647	4111	1338	715	248	2639	3137	-412	-354	9195	875	10070	1779	11849	49.90
2	3072	58	648	3778	1340	753	241	2610	3272	-296	-234	9150	698	9848	1625	11473	49.99
3	3028	68	647	3743	729	789	223	2509	3964	-251	-197	9251	38	9289	1564	10853	49.97
4	3033	58	653	3744	665	765	240	2456	3782	-180	-139	9057	208	9265	1508	10773	50.15
5	3099	68	652	3819	665	787	245	2385	4075	-180	-145	9446	208	9654	1514	11168	50.15
6	2955	73	645	3673	663	744	226	2386	4528	-180	-157	9677	1366	11043	1535	12578	49.88
7	3025	53	648	3726	663	693	219	2412	4253	-322	-282	9272	2049	11321	1716	13037	49.92
8	3050	43	650	3743	664	672	208	2490	4113	-322	-282	9118	2023	11141	1821	12962	50.07
9	3036	62	656	3754	662	873	221	2703	4502	-408	-379	9633	2217	11850	2118	13968	49.99
10	2922	105	654	3681	662	962	240	2880	4144	-585	-553	9136	2815	11951	2430	14381	49.97
11	2967	78	662	3707	659	977	208	3055	4451	-666	-636	9366	2755	12121	2628	14749	49.94
12	2913	89	662	3664	659	922	205	3012	3896	-714	-683	8663	2724	11387	2705	14092	50.01
13	3009	79	650	3738	657	898	257	3030	4485	-690	-657	9378	2588	11966	2678	14644	49.93
14	2964	228	640	3832	658	1165	252	2996	4406	-666	-633	9680	2357	12037	2591	14628	50.03
15	3041	320	642	4003	658	1012	200	2981	4119	-666	-633	9359	2555	11914	2605	14519	49.96
16	3075	98	656	3829	658	958	225	2925	3678	-666	-630	8718	2944	11662	2601	14263	50.06
17	3116	48	651	3815	658	892	265	2687	3988	-666	-635	8983	2783	11766	2609	14375	50.04
18	3323	53	656	4032	660	1146	197	2691	3891	-643	-612	9314	2567	11881	2565	14446	50.15
19	3458	48	661	4167	661	906	240	2670	3562	-548	-496	9040	2700	11740	2455	14195	50.10
20	3476	663	667	4806	662	807	213	2810	4255	-637	-624	10119	2767	12886	2470	15356	50.02
21	3514	1088	648	5250	662	730	222	3066	4215	-633	-576	10503	2463	12966	2406	15372	49.92
22	3521	940	644	5105	663	725	256	3036	3973	-614	-560	10162	2165	12327	2313	14640	49.90
23	3484	434	638	4556	661	691	250	2966	4548	-520	-452	10254	1716	11970	2192	14162	49.75
24	3425	63	644	4132	663	678	248	2758	4072	-488	-429	9364	1673	11037	2029	13066	49.95
MUs	75.72	5.06	15.62	96.41	17.29	20.26	5.55	66.15	97.31	-11.96	-10.98	225.84	47.25	273.09	52.46	325.55	49.99

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 12/Jul/2010

Position as on 6.30 Hrs of 13/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.	08/08/2010
Chandrapur Unit 3	210	26/05/2010	23.59		Continued.	Water Balancing Problem.	08/08/2010
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.	30/07/2010
Dabhol 1A	230	18/06/2010	13.09		Continued.	Unit Differential.	30/07/2010
Dabhol 1X	290	18/06/2010	13.09		Continued.	Unit Differential.	30/07/2010
Koradi Unit 1	105	28/06/2010	05.53		Continued.	Low Bunkering.	15/07/2010
Cent_Sect TARAPUR-4	540	28/06/2010	05.54		Continued.	System Deficiency.	15/07/2010
Koradi Unit 4	115	06/07/2010	10.03		Continued.	Boiler Tube Leakage.	15/07/2010
Parli Unit 7	250	06/07/2010	23.03		Continued.	Generator Protection Operated.	12/07/2010
Koradi Unit 2	105	09/07/2010	07.46		Continued.	Boiler Tube Leakage.	15/07/2010
Koradi Unit 3	105	10/07/2010	01.15		Continued.	Bunkering Problem.	15/07/2010
Paras Unit 4	250	11/07/2010	19.48	12/07/2010	12.31	Bunkering Problem	
Dabhol 2A	230	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	
Dabhol 2B	230	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	
Dabhol 2X	290	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	
Nasik Unit 4	210	12/07/2010	04.35	12/07/2010	16.00	Bunkering Problem	
Nasik Unit 5	210	12/07/2010	05.05	12/07/2010	15.10	Furnance Pressure inadequate	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Jul/2010

Position as on 6.30 Hrs of 13/Jul/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Badnera - Deoli (PGCIL)	12/07/2010	10.20	12/07/2010	16.29	Oil Leakage on R Ph. C T.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad - I	25/06/2010	14.10		Continued.	To control Aurangabad ICT loading
Dhule-Sar'Sarovar - II	02/07/2010	22.19	12/07/2010	19.45	Over Voltage
Akola - Wardha - I	07/07/2010	11.00		Continued.	Changeover.
Dhule-Khandwa I	10/07/2010	10.09	12/07/2010	07.39	Over Voltage
Dhule-Sar'Sarovar - I	10/07/2010	23.00	12/07/2010	12:10	Over Voltage
Kolhapur-Mapusa-II	10/07/2010	23.49		Continued.	Over Voltage
Wardha - Akola - II	11/07/2010	13.07		Continued.	Over Voltage
Dhule-S'Sarovar I	11/07/2010	23.18	12/07/2010	12.10	Over Voltage
Dhule-Sar'Sarovar - II	12/07/2010	23.37		Continued.	Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC Pole-I	12/07/2010	23.53	13/07/2010	02.25	Faulty Capacitor Replacement @ Padgha.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Chandrapur-Parli-II 50 MVAR Reactor @ Parli	12/08/2009	10.15		Continued.	Bushing Problem.
50 MVAR Line Reactor of LN at Parli.	13/05/2010	07.58		Continued.	Overhauling of Line Reactor of Lonikand -I at Parli.
Dabhol-Nagothane - II	10/07/2010	16.46		Continued.	Charged 400KV Nagothane-Dabhol-II line Bay at N'thane end only
Karad - Kolhapur - I	11/07/2010	10.22		Continued.	Relay retrofitting work
Chandrapur - Parli - II	11/07/2010	23.28	12/07/2010	04.48	Replacement of Line Matching Units
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.
Parli-Usmanabad	06/07/2010	12.22		Continued.	CKT on TBC for main BKR Repl.work.
220/33 KV,100 MVA ICT-II At Versova	10/07/2010	22.00	12/07/2010	08.10	To attend Y phase Bushing oil leakage
Padgha-Temghar	12/07/2010	09.05	12/07/2010	18.00	Bay Maintenance.
220/22 KV 50 MVA T/F @ Chakan	12/07/2010	11.40		Continued.	Maintenance Work.
Wardha - Badnera - I	12/07/2010	18.07		Continued.	CVT Testing Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
80 MVAR Karad-Lonikand Line Reactor @ Karad	04/03/2010	11.58		Continued.	Red Hot Spot Observed on Earthing.
Bhusawal- Aurangabad	19/06/2010	22.51		Continued.	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.
Chandrapur-Khaparkheda	02/07/2010	20.11		Continued.	Over Voltage
Koradi - Kaparkheda	02/07/2010	20.12		Continued.	Over Voltage
Karad-Lamboti	13/07/2010	00.02	13/07/2010	06:36	Over Voltage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Jul/2010

Position as on 6.30 Hrs of 13/Jul/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Parli - Lamboti	13/07/2010	00.02	13/07/2010	05.22	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.
Kanhan - Bhandara - I	12/07/2010	10.50	12/07/2010	11.25	Bus Bar Protection.
220/132 KV 100 MVA ICT @ Bhandara	12/07/2010	10.50	12/07/2010	11.45	Bus Bar Protection.
Bhandara - Sunflag - I	12/07/2010	10.50	12/07/2010	11.28	Bus Bar Protection.
220/132 KV 150 MVA ICT @ Bhandara	12/07/2010	10.50	12/07/2010	11.41	Bus Bar Protection.
Bhandara - Rly TSS - II	12/07/2010	10.50	12/07/2010	11.42	Bus Bar Protection.
Bhandara - RLY TSS - I	12/07/2010	10.50	12/07/2010	11.30	Bus Bar Protection.
KANHAN - BHANDARA CKT II	12/07/2010	10.50	12/07/2010	13.32	Bus Bar Protection.
Apta-Uran-IV	12/07/2010	18.52		Continued.	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Bhandara-Kardha	12/07/2010	19.06	12/07/2010	19.55	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 13/Jul/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	
Unit 2	105	
Unit 3	105	
Unit 4	105	
Unit 5	200	
Unit 6	210	
Unit 7	210	
	1040	
Bhusawal		
Unit 1	58	
Unit 2	210	
Unit 3	210	
	478	
Parli		
Unit 1	30	
Unit 2	30	
Unit 3	210	
Unit 4	210	
Unit 5	210	
Unit 6	250	
Unit 7	250	
	1190	
Chandrapur		
Unit 1	210	
Unit 2	210	
Unit 3	210	
Unit 4	210	
Unit 5	500	
Unit 6	500	
Unit 7	500	
	2340	
Paras		
Unit 2	55	
Unit 3	250	
Unit 4	250	
	555	
Khaparkheda		
Unit 1	210	
Unit 2	210	
Unit 3	210	
Unit 4	210	
	840	
Nasik		
Unit 1	120	
Unit 2	120	
Unit 3	210	
Unit 4	210	
Unit 5	210	
	870	
Koyna		
Stage 1-2	600	
Stage 4	1000	
Stage 3	320	
	1920	
Uran		
All Units	852	

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