



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

State Load Dispatch Center, Airoli

Daily system Report

for

11/Jul/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 11/Jul/2010 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	78.454	862.625	1) Madhya Pradesh	54.136	637.052
2) Hydro	5.170	64.563	2) Gujrat	22.969	208.609
3) Gas	15.671	171.135	3) Goa	-5.436	-62.158
Total MSGENCO	99.295	1098.323	4) TAPS 1&2 (Inj.)	7.197	81.033
B) OTHERS			5) Pench (Excess)	-0.096	-0.264
1) RGPPL Gas	32.138	315.274	# Total Cent. Sector	78.770	864.272
2) Wind Generation	18.146	139.269	F) Other Exchanges		
3) CPP	5.948	55.069	1) With TPCL (Excess)	-6.558	-88.729
4) PENCH (MS)	0.096	0.264	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	-2.259	-26.515
1) TPCL Thermal	23.597	290.248	Include PX	2.398	25.205
2) TPCL Hydro	0.136	24.741	2) MUMBAI Bilateral	8.042	100.975
TOTAL TPCL	23.733	314.989	Include PX	0.564	26.994
3) REL Thermal	12.360	138.569	3) MUMBAI Schedule	8.042	100.975
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	114.411	1291.442	1) MSEDCL	227.835	2383.742
2) Hydro (A2+B3+C2)	5.402	89.568	2) TPCL	27.135	352.403
3) Gas (A3+B1)	47.809	486.409	3) REL	15.512	189.857
4) Wind (B2)	18.146	139.269	TOTAL STATE	270.482	2926.002
5) CPP (B3)	5.948	55.069			
TOTAL STATE	191.716	2061.757			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 22 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3205	3257	3235
MSGENCO Hydro	95	1269	47
MSGENCO Gas	654	638	665
MSGENCO Total Generation	3954	5164	3947
Central Sector Receipt	3428	3623	3099
RGPPL	1336	1330	1357
WIND	785	476	709
CPP	284	237	261
Exchange with TPCL	-296	-447	-149
MSEDCL DEMAND MET	9491	10425	9224
Load Shedding	2139	1993	0
MSEDCL DEMAND (INCL. LS)	11630	12418	9224
TPCL GENERATION	1105	1120	850
REL GENERATION	527	495	482
TPCL+REL DEMAND	1928	2062	1481
STATE DEMAND MET	11419	12487	10705
STATE DEMAND (INCL. LS)	13558	14480	10705
Frequency (Hz)	49.94	49.71	50.08
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3160 MW AT 12.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			55.55 MUS

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.42 Hz at 06.02 Hrs	49.33 Hz at 21.23 Hrs	49.95	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 11/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	3.00	34.40	140	118	140
Unit 7	3.30	35.68	165	110	160
	6.31	93.72			300
Bhusawal					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.57	36.53	170	135	150
Unit 3	3.37	41.38	160	114	160
	6.94	77.91			310
Parli					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	2.26	16.07	146	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	2.53	26.12	120	93	110
Unit 6	4.69	49.48	215	165	180
Unit 7	0.00	16.62	0	0	
	9.49	108.29			290
Chandrapur					
Unit 1	3.04	27.58	137	108	130
Unit 2	3.08	28.98	148	107	120
Unit 3	0.00	0.00	0	0	0
Unit 4	4.11	43.20	185	160	190
Unit 5	0.00	0.00	0	0	0
Unit 6	5.47	51.84	305	175	250
Unit 7	6.65	10.70	305	213	300
	22.36	162.30			990
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	2.72	41.94	149	74	160
Unit 4	2.18	37.24	195	0	
	4.90	79.18			160
Khaparkheda					
Unit 1	3.80	42.52	175	145	160
Unit 2	3.62	40.67	166	142	150
Unit 3	3.67	43.14	166	143	155
Unit 4	3.54	41.96	172	130	150
	14.62	168.30			615
Nasik					
Unit 1	1.84	19.32	88	58	78
Unit 2	1.92	17.78	91	69	81
Unit 3	3.16	45.18	174	93	142
Unit 4	3.52	45.31	171	108	177
Unit 5	3.41	45.32	164	94	140
	13.84	172.92			618
Koyna					
Stage 1-2	1.61	20.25	265	35	600
Stage 4	1.33	16.56	641	0	250
Stage 3	1.08	11.53	320	0	320
	4.02	48.34			1170
Kovna 12&4 Total	2.94	36.81			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.67	171.14	665	638	630
		15.67	171.14			630
Hydro						
KDPH		0.00	0.00	0	0	0
VTRNA		0.00	0.16	0	0	0
TILLARI		0.04	1.66	24	0	40
BHTGR/VEER		0.00	0.06	0	0	0
BHIRA T.R.		0.22	2.97	40	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
SMLHY PTN		0.24	1.06	16	7	0
GHATGHAR		0.65	10.08	125	0	0
		1.15	16.22			80
PENCH (MS)						
Pench (MS)		0.10	0.26	47	0	
		0.10	0.26			
Wind						
MalharPeth		0.69	5.20			
Vankuswadi		1.29	13.62			
ATIT		0.60	2.38			
Kale		0.40	4.86			
Satara		1.21	14.49			
Shirala		0.47	4.04			
K Mahankal		0.28	8.16			
Supa		0.17	2.32			
Vita		2.12	25.15			
Dondaicha		6.80	32.34			
Sakri		1.31	6.40			
Nandurbar		0.76	3.81			
Khadakale		1.08	10.39			
Khaparale		0.96	6.12			
		18.15	139.27			
CPP						
TOTAL CPP		5.95	55.07			
		5.95	55.07			
Dabhol						
RGPPL		32.14	315.27	1360	1320	1250
		32.14	315.27			1250
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		10.52	112.16	500	300	500
Trombay 6		4.21	70.58	230	150	500
Trombay 7A		2.85	30.24	123	117	120
Trombay 7B		1.58	16.99	67	65	60
Trombay 8		4.44	60.28	210	152	250
TATA Hydro		0.14	24.74	44	0	447
		23.73	314.99			1877
REL						
1&2		12.36	138.57	531	482	500
		12.36	138.57			500
Cent Sect						
Share						3008
						3008
MS PG CL	Thermal	78.45	862.62			3283
	Thml+Gas	94.12	1033.76			3913
	Hydro	5.17	64.56			1250
	Total	99.30	1098.32			5163
State Total		191.72	2061.76			11798

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 11/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	3195	240	654	4089	1348	702	262	2698	3104	-369	-309	9196	841	10037	1746	11783	49.76
2	3069	47	664	3780	1356	781	265	2581	2978	-255	-195	8965	685	9650	1618	11268	50.01
3	3235	47	665	3947	1357	709	261	2535	3099	-210	-149	9224	0	9224	1481	10705	50.08
4	3210	52	665	3927	1360	712	279	2484	3314	-144	-79	9513	0	9513	1431	10944	50.10
5	3314	52	665	4031	1360	748	273	2469	3374	-144	-78	9708	0	9708	1446	11154	50.09
6	3354	77	659	4090	1356	725	263	2471	3026	-144	-100	9360	1446	10806	1470	12276	49.97
7	3512	57	665	4234	1360	789	230	2576	2671	-284	-224	9060	1798	10858	1547	12405	50.19
8	3461	42	663	4166	1354	853	216	2575	3232	-284	-236	9585	1640	11225	1557	12782	50.13
9	3291	78	662	4031	1349	811	245	2572	3406	-284	-229	9613	1700	11313	1635	12948	50.02
10	3214	98	659	3971	1343	809	219	2742	3739	-349	-304	9777	1902	11679	1817	13496	50.00
11	3205	95	654	3954	1336	785	284	2829	3428	-349	-296	9491	2139	11630	1928	13558	49.94
12	3093	101	651	3845	1326	616	220	2700	3561	-349	-296	9272	2188	11460	1963	13423	49.88
13	3241	57	650	3948	1329	606	241	2624	3491	-349	-278	9337	2178	11515	1936	13451	50.06
14	3252	87	643	3982	1320	704	244	2582	3414	-349	-280	9384	2020	11404	1911	13315	49.88
15	3203	97	645	3945	1324	826	250	2583	3306	-349	-279	9372	2244	11616	1876	13492	49.95
16	3268	52	646	3966	1325	1033	252	2583	2702	-349	-278	9000	2539	11539	1845	13384	49.99
17	3311	52	654	4017	1328	1039	205	2597	2957	-349	-280	9266	2081	11347	1818	13165	50.07
18	3337	65	654	4056	1329	1054	261	2573	3179	-349	-279	9600	1733	11333	1796	13129	50.07
19	3401	100	652	4153	1328	902	244	2686	3416	-365	-296	9747	1667	11414	1805	13219	49.93
20	3386	140	643	4169	1329	676	252	2933	3730	-457	-388	9768	2430	12198	1962	14160	49.79
21	3254	665	638	4557	1325	551	237	2990	3731	-504	-440	9961	2145	12106	2047	14153	49.61
22	3257	1269	638	5164	1330	476	237	2985	3623	-510	-447	10425	1993	12418	2062	14480	49.71
23	3136	1103	638	4877	1330	644	250	2845	3115	-509	-444	9819	1668	11487	2049	13536	49.67
24	3255	497	644	4396	1336	595	258	2705	3174	-438	-374	9392	1629	11021	1905	12926	49.86
MUs	78.45	5.17	15.67	99.30	32.14	18.15	5.95	63.92	78.77	-8.04	-6.56	227.84	38.67	266.50	42.65	309.15	49.95

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 11/Jul/2010

Position as on 6.30 Hrs of 12/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
Parli Unit 3	210	10/07/2010	21.17	11/07/2010	05.18	Super Heater Temp.Low	
Paras Unit 4	250	11/07/2010	19.48		Continued.	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		Continued.	Bunkering Problem	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 11/Jul/2010

Position as on 6.30 Hrs of 12/Jul/2010

Name of Generating Unit	Capacity	Tripped Date	Trippe d Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Nasik Unit 5	210	12/07/2010	05.05		Continued.	Furnance Pressure inadequate	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/Jul/2010

Position as on 6.30 Hrs of 12/Jul/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
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		Continued.	Over Voltage
Akola - Wardha - I	07/07/2010	11.00		Continued.	Changeover.
Dhule-Khandwa I	10/07/2010	10.09		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	10/07/2010	23.00		Continued.	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-Sar'Sarovar - I	11/07/2010	14.40	11/07/2010	18.40	Over Voltage
Dhule-S'Sarovar I	11/07/2010	23.18		Continued.	Over Voltage
IntraState					
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
Dabhol-New Koyna-I	11/07/2010	10.36	11/07/2010	11.02	Filling of SF6 Gas and oil in C.B.at New Koyna(ckt on TBC)
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		Continued.	To attend Y phase Bushing oil leakage
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
Chandrapur - Parli - II	10/07/2010	22.28	11/07/2010	09.35	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Kolhapur - Karad - II	05/07/2010	19.52	11/07/2010	09.18	Due to Breaker Compressor Problem.At Karad Line on TBC.
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
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 200 MVA ICT - II at Theur	01/06/2010	03.57		Continued.	Oil Tank Burst.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 12/Jul/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	0
Unit 3	105	0
Unit 4	105	0
Unit 5	200	0
Unit 6	210	125
Unit 7	210	135
	1040	260
Bhusawal		
Unit 1	58	0
Unit 2	210	160
Unit 3	210	160
	478	320
Parli		
Unit 1	30	0
Unit 2	30	0
Unit 3	210	150
Unit 4	210	0
Unit 5	210	110
Unit 6	250	150
Unit 7	250	
	1190	410
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	0
Unit 4	210	190
Unit 5	500	0
Unit 6	500	300
Unit 7	500	300
	2340	1090
Paras		
Unit 2	55	0
Unit 3	250	95
Unit 4	250	0
	555	95
Khaparkheda		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	150
Unit 4	210	150
	840	600
Nasik		
Unit 1	120	84
Unit 2	120	73
Unit 3	210	114
Unit 4	210	0
Unit 5	210	0
	870	271
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	630

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	630
Hydro		
KDPH	40	0
VTRNA	60	40
TILLARI	60	24
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	112
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	650
	960	650
Tata		
Trombay 4	150	0
Trombay 5	500	450
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1827
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3090
	3143	3090