



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Jun/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Jun/2010 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	82.957	2389.447	1) Madhya Pradesh	69.023	2012.065
2) Hydro	7.823	263.774	2) Gujrat	17.989	670.665
3) Gas	15.053	469.736	3) Goa	-6.193	-186.401
Total MSGENCO	105.833	3122.957	4) TAPS 1&2 (Inj.)	7.064	216.636
B) OTHERS			5) Pench (Excess)	0.000	-4.020
1) RGPPL Gas	30.162	946.100	# Total Cent. Sector	87.883	2708.945
2) Wind Generation	12.931	361.201	F) Other Exchanges		
3) CPP	5.509	140.690	1) With TPCL (Excess)	-11.469	-301.346
4) PENCH (MS)	0.000	4.020	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	6.497	224.771
1) TPCL Thermal	25.795	850.914	Include PX	3.682	75.686
2) TPCL Hydro	4.867	103.760	2) MUMBAI Bilateral	11.819	326.048
TOTAL TPCL	30.662	954.674	Include PX	1.949	23.243
3) REL Thermal	12.629	359.216	3) MUMBAI Schedule	11.819	326.048
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	121.381	3599.577	1) MSEDCL	230.849	6982.567
2) Hydro (A2+B3+C2)	12.690	371.554	2) TPCL	35.747	1039.565
3) Gas (A3+B1)	45.215	1415.836	3) REL	19.012	575.663
4) Wind (B2)	12.931	361.201	TOTAL STATE	285.608	8597.795
5) CPP (B3)	5.509	140.690			
TOTAL STATE	197.726	5888.858			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3502	3423	3481
MSGENCO Hydro	202	614	42
MSGENCO Gas	637	615	610
MSGENCO Total Generation	4341	4652	4133
Central Sector Receipt	3891	3735	3536
RGPPL	1290	1255	1241
WIND	459	694	386
CPP	240	240	272
Exchange with TPCL	-752	-522	-79
MSEDCL DEMAND MET	9469	10054	9489
Load Shedding	2827	3235	1583
MSEDCL DEMAND (INCL. LS)	12296	13289	11072
TPCL GENERATION	1515	1516	1017
REL GENERATION	524	526	528
TPCL+REL DEMAND	2791	2564	1624
STATE DEMAND MET	12260	12618	11113
STATE DEMAND (INCL. LS)	15087	15853	12696
Frequency (Hz)	49.76	49.62	49.83
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3794 Mw at 20.00hRS.
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			71.86 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.29 Hz at 06.04 Hrs	49.13 Hz at 13.35 Hrs	49.78	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 30/Jun/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	40.90	0	0	0
Unit 2	1.34	24.60	82	0	75
Unit 3	1.57	45.62	79	38	50
Unit 4	0.00	21.69	0	0	0
Unit 5	0.00	52.97	0	0	0
Unit 6	3.38	62.34	153	122	154
Unit 7	3.44	86.30	170	120	122
	9.72	334.42			401
Bhusawal					
Unit 1	0.00	8.10	0	0	0
Unit 2	3.65	93.56	165	120	155
Unit 3	4.05	105.29	175	155	165
	7.70	206.95			320
Parli					
Unit 1	0.00	9.02	0	0	0
Unit 2	0.00	8.98	0	0	0
Unit 3	3.56	118.29	169	109	170
Unit 4	0.00	76.49	0	0	0
Unit 5	2.77	95.38	129	103	120
Unit 6	5.13	152.62	234	184	250
Unit 7	3.31	111.96	248	0	0
	14.77	572.74			540
Chandrapur					
Unit 1	3.74	11.05	170	139	160
Unit 2	3.18	15.57	159	0	150
Unit 3	0.00	0.00	0	0	0
Unit 4	3.40	123.43	175	112	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
	10.33	150.05			500
Paras					
Unit 2	0.00	7.95	0	0	0
Unit 3	5.55	163.29	254	195	250
Unit 4	2.33	62.32	215	0	0
	7.88	233.56			250
Khaparkheda					
Unit 1	4.04	123.15	200	135	190
Unit 2	3.73	107.86	175	122	180
Unit 3	4.18	122.11	183	163	190
Unit 4	3.84	109.59	165	153	160
	15.79	462.71			720
Nasik					
Unit 1	1.96	53.92	90	54	90
Unit 2	1.89	49.46	93	53	90
Unit 3	4.44	105.10	205	170	180
Unit 4	4.34	89.90	196	160	180
Unit 5	4.15	130.64	189	150	180
	16.78	429.01			720
Koyna					
Stage 1-2	2.38	69.86	330	30	600
Stage 4	2.52	98.18	701	0	250
Stage 3	1.26	40.30	288	0	320
	6.15	208.34			1170
Kovna 12&4 Total	4.89	168.04			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.05	469.74	660	603	630
		15.05	469.74			630
Hydro						
KDPH		0.00	3.26	0	0	0
VTRNA		0.00	5.35	0	0	0
TILLARI		0.04	0.26	24	0	0
BHTGR/VEER		0.00	1.31	0	0	0
BHIRA T.R.		0.44	7.81	41	0	40
RNGR+BHTSA		0.05	1.91	2	2	2
BHANDARDRA		0.00	1.68	0	0	15
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.05	4.15	8	0	10
GHATGHAR		1.10	29.71	250	0	0
		1.67	55.44			67
PENCH (MS)						
Pench (MS)		0.00	4.02	0	0	0
		0.00	4.02			0
Wind						
MalharPeth		0.30	11.53			
Vankuswadi		0.72	24.95			
ATIT		0.64	8.97			
Kale		0.25	10.52			
Satara		0.57	19.51			
Shirala		0.22	10.67			
K Mahankal		0.06	17.95			
Supa		0.25	5.16			
Vita		2.82	66.89			
Dondaicha		4.54	117.76			
Sakri		0.87	19.77			
Nandurbar		0.65	15.45			
Khadakale		0.59	18.09			
Khaparale		0.46	13.99			
		12.93	361.20			
CPP						
TOTAL CPP		5.51	140.69			
		5.51	140.69			
Dabhol						
RGPPL		30.16	946.10	1300	1224	1230
		30.16	946.10			1230
Tata						
Trombay 4		0.00	43.44	0	0	0
Trombay 5		11.02	322.12	465	450	470
Trombay 6		5.92	205.04	370	170	500
Trombay 7A		2.39	83.63	121	72	120
Trombay 7B		1.44	45.08	66	54	60
Trombay 8		5.03	151.60	230	200	250
TATA Hydro		4.87	103.76	325	0	447
		30.66	954.67			1847
REL						
1&2		12.63	359.22	528	524	500
		12.63	359.22			500
Cent Sect						
Share						3216
						3216
MS PG CL	Thermal	82.96	2389.45			3451
	Thml+Gas	98.01	2859.18			4081
	Hydro	7.82	263.77			1237
	Total	105.83	3122.96			5318
State Total		197.73	5888.86			12111

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/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	3253	171	611	4035	1240	431	272	3093	3923	-430	-420	9481	1641	11122	1935	13057	49.76
2	3362	37	615	4014	1241	352	275	2863	3470	-208	-178	9174	1988	11162	1705	12867	49.77
3	3446	37	617	4100	1241	402	273	2778	3469	-119	-103	9382	1880	11262	1639	12901	49.81
4	3481	42	610	4133	1241	386	272	2779	3536	-119	-79	9489	1583	11072	1624	12696	49.83
5	3507	37	612	4156	1227	383	277	2779	3559	-119	-78	9524	1584	11108	1610	12718	49.77
6	3523	127	622	4272	1224	385	281	2780	3583	-119	-85	9660	1930	11590	1651	13241	49.80
7	3537	52	660	4249	1229	380	232	3150	3182	-108	-95	9177	2500	11677	1790	13467	49.92
8	3592	32	649	4273	1229	438	232	3222	3404	-175	-140	9436	2377	11813	1842	13655	49.98
9	3645	82	652	4379	1227	684	236	3419	3350	-365	-346	9530	2640	12170	2121	14291	49.95
10	3638	86	644	4368	1227	567	212	3849	3914	-774	-762	9526	2760	12286	2494	14780	49.92
11	3522	86	643	4251	1280	405	233	3838	4079	-764	-759	9489	2800	12289	2712	15001	49.90
12	3502	202	637	4341	1290	459	240	3836	3891	-764	-752	9469	2827	12296	2791	15087	49.76
13	3431	161	639	4231	1285	429	225	3823	4408	-764	-785	9793	2749	12542	2725	15267	49.82
14	3304	497	634	4435	1280	444	234	3822	4230	-764	-753	9870	2572	12442	2671	15113	49.65
15	3433	434	630	4497	1300	644	223	3823	4105	-766	-787	9982	2735	12717	2709	15426	49.80
16	3444	102	630	4176	1300	676	226	3822	3833	-764	-785	9426	3085	12511	2714	15225	49.76
17	3519	37	624	4180	1298	834	207	3832	3786	-774	-792	9513	3016	12529	2717	15246	49.80
18	3550	57	637	4244	1298	700	213	3831	3794	-772	-758	9491	2948	12439	2674	15113	49.91
19	3538	115	631	4284	1264	705	200	3164	3515	-558	-558	9410	3204	12614	2573	15187	49.86
20	3423	614	615	4652	1255	694	240	3280	3735	-558	-522	10054	3235	13289	2564	15853	49.62
21	3294	1431	617	5342	1252	698	183	3205	3333	-548	-532	10276	2788	13064	2549	15613	49.62
22	3306	1449	614	5369	1251	636	187	3216	3185	-558	-529	10099	2467	12566	2440	15006	49.53
23	3360	1245	607	5212	1243	637	176	3100	3321	-464	-437	10152	2047	12199	2318	14517	49.49
24	3344	690	603	4637	1240	561	160	3059	3275	-464	-434	9439	2023	11462	2192	13654	49.59
MUs	82.95	7.82	15.05	105.83	30.16	12.93	5.51	80.36	87.88	-11.82	-11.47	230.84	59.38	290.22	54.76	344.98	49.78

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 30/Jun/2010

Position as on 6.30 Hrs of 01/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 6	500	01/04/2010	01.15	01/07/2010	02.49	Annual Overhaul	30/06/2010
Chandrapur Unit 5	500	16/04/2010	15.49		Continued.	Water Balancing Problem.	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
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.	AOH	25/07/2010
Cent_Sect NTPC(V) 9	500	01/07/2010	00.04		Continued.	AOH	25/07/2010
Cent_Sect Kawas ST2C	116	01/07/2010	00.08		Continued.	AOH	25/07/2010
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.	
Paras Unit 4	250	15/06/2010	20.55	30/06/2010	03.13	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 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
Koyna ST - IV 4	250	23/06/2010	07.50		Continued.	Servomotor seal replacement.	01/07/2010
Parli Unit 4	210	24/06/2010	23.18		Continued.	HPCV problem.	30/06/2010
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.	30/06/2010
Koradi Unit 4	115	29/06/2010	16.44	01/07/2010	02.10	Bunkering Problem.	
Parli Unit 7	250	29/06/2010	19.50	30/06/2010	00.28	Flame Failure.	
Chandrapur Unit 2	210	30/06/2010	11.48	30/06/2010	13.46	Tripped during changing over of UAT supply.	
Parli Unit 7	250	30/06/2010	19.09	01/07/2010	02.04	Tripped on Main Steam Temp. Low.	
Koradi Unit 2	105	30/06/2010	20.16		Continued.	Boiler Tube Leakage.	03/07/2010
Cent_Sect sipat-5	500	01/07/2010	04.41		Continued.	Low vacum problem.	03/07/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Jun/2010

Position as on 6.30 Hrs of 01/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		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	24/06/2010	16.17		Continued.	Over Voltage.
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
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.
Bus coupler at Koradi	26/06/2010	11.10		Continued.	Breaker Repl.Work of CT Repl.Removal of Cable Wiring.
400/220 KV 500 MVA ICT-I at Jejuri	01/07/2010	06.15		Continued.	Balance cold welding work and isolator overhauling.
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-1@Boiser	30/06/2010	10.33	30/06/2010	16.56	To attending red hot spot.
Warora-Wardha	30/06/2010	10.36	30/06/2010	17.50	Disc replacement work at Loc.No.349
220/100KV 50MVA T/F-III at Kandalgaon	30/06/2010	13.13	30/06/2010	16.39	Oil temp.and winding temp.indicator fixing work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
M.Bus-I at Kalmeshwar	30/06/2010	14.35		Continued.	Isolator alignment work.
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.
Voltage Level : 132KV			Outage Type FORCED OUTAGE		
Akola - Paras - I	29/06/2010	20.50	30/06/2010	13.23	To attend hot spot on bus isolator.Ckt on TBC.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	19/06/2010	22.51		Continued.	Over Voltage
Karad-Kolhapur CKT II	29/06/2010	23.48	30/06/2010	08.57	H/T For O/V.
Chandrapur - Parli - II	30/06/2010	01.55	30/06/2010	09.01	H/T For O/V.
Karad-Kolhapur CKT I	30/06/2010	23.13		Continued.	H/T for O/V
C'pur-Parli II	01/07/2010	01.08		Continued.	H/T for O/V.
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5/6.6 KV 70 MVA Strn.T/F 5B at 400KV Khaparkheda	25/04/2010	03.59		Continued.	B-Ph,HV Bushing Burst and Caught Fire.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 200 MVA ICT - II at Theur	01/06/2010	03.57		Continued.	Oil Tank Burst.
Lamboti - Pandharpur	30/06/2010	11.00	30/06/2010	11.16	Tripped.
Babaleshwar - Nagar - I	01/07/2010	03.32	01/07/2010	04.19	Tripped on distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/Jul/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	0
Unit 3	105	70
Unit 4	105	50
Unit 5	200	0
Unit 6	210	150
Unit 7	210	150
	1040	420
Bhusawal		
Unit 1	58	0
Unit 2	210	130
Unit 3	210	175
	478	305
Parli		
Unit 1	30	0
Unit 2	30	0
Unit 3	210	170
Unit 4	210	0
Unit 5	210	120
Unit 6	250	250
Unit 7	250	0
	1190	540
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	0
Unit 4	210	190
Unit 5	500	0
Unit 6	500	175
Unit 7	500	0
	2340	685
Paras		
Unit 2	55	0
Unit 3	250	240
Unit 4	250	0
	555	240
Khaparkheda		
Unit 1	210	170
Unit 2	210	160
Unit 3	210	170
Unit 4	210	160
	840	660
Nasik		
Unit 1	120	81
Unit 2	120	71
Unit 3	210	162
Unit 4	210	182
Unit 5	210	172
	870	668
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	320
	1920	1090
Uran		
All Units	852	510

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	510
Hydro		
KDPH	40	0
VTRNA	60	0
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	10
GHATGHAR	250	0
	611	74
PENCH (MS)		
Pench (MS)	53	0
	53	0
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	1230
	960	1230
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	2714
	3143	2714

	17376	11513
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