



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/May/2010

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	88.647	2742.103	1) Madhya Pradesh	77.386	2110.333
2) Hydro	12.157	630.530	2) Gujrat	19.388	667.651
3) Gas	16.818	491.044	3) Goa	-6.762	-197.422
Total MSGENCO	117.622	3863.677	4) TAPS 1&2 (Inj.)	6.587	214.078
B) OTHERS			5) Pench (Excess)	-0.176	-8.970
1) RGPPL Gas	37.046	1019.730	# Total Cent. Sector	96.423	2785.670
2) Wind Generation	13.976	395.337	F) Other Exchanges		
3) CPP	4.461	123.879	1) With TPCL (Excess)	-4.007	-249.590
4) PENCH (MS)	0.176	9.152	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	11.236	284.232
1) TPCL Thermal	31.730	973.315	Include PX	0.204	91.612
2) TPCL Hydro	1.047	102.986	2) MUMBAI Bilateral	5.286	277.115
TOTAL TPCL	32.777	1076.301	Include PX	1.056	33.752
3) REL Thermal	12.164	373.869	3) MUMBAI Schedule	5.286	277.115
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	132.541	4089.287	1) MSEDCL	265.697	7947.855
2) Hydro (A2+B3+C2)	13.380	742.668	2) TPCL	30.857	1083.378
3) Gas (A3+B1)	53.864	1510.774	3) REL	18.089	616.484
4) Wind (B2)	13.976	395.337	TOTAL STATE	314.643	9647.717
5) CPP (B3)	4.461	123.879			
TOTAL STATE	218.222	6861.945			

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	3629	3843	3617
MSGENCO Hydro	480	742	129
MSGENCO Gas	684	700	710
MSGENCO Total Generation	4793	5285	4456
Central Sector Receipt	4593	3975	4596
RGPPL	1529	1541	1550
WIND	529	740	471
CPP	191	189	188
Exchange with TPCL	-231	-289	21
MSEDCL DEMAND MET	11404	11465	11282
Load Shedding	3645	3773	2371
MSEDCL DEMAND (INCL. LS)	15049	15238	13653
TPCL GENERATION	1277	1396	1394
REL GENERATION	519	519	492
TPCL+REL DEMAND	2027	2204	1865
STATE DEMAND MET	13431	13669	13147
STATE DEMAND (INCL. LS)	17076	17442	15518
Frequency (Hz)	49.66	49.68	49.73
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			5432 MW at 13.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			111.47 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.33 Hz at 19.04 Hrs	49.33 Hz at 23.49 Hrs	49.8	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/May/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.74	51.05	80	68	80
Unit 2	1.62	42.06	75	63	70
Unit 3	1.62	44.38	76	60	75
Unit 4	1.64	18.38	78	52	70
Unit 5	2.63	73.44	130	93	130
Unit 6	2.25	82.41	136	46	120
Unit 7	1.11	92.82	120	0	130
	12.62	404.53			675
Bhusawal					
Unit 1	1.00	30.53	45	36	50
Unit 2	4.13	126.56	180	160	180
Unit 3	4.00	109.76	187	142	170
	9.12	266.85			400
Parli					
Unit 1	0.57	13.64	25	21	22
Unit 2	0.53	16.38	25	18	22
Unit 3	4.17	116.89	183	158	180
Unit 4	3.91	116.23	180	143	180
Unit 5	3.83	109.31	178	146	180
Unit 6	5.11	172.12	241	194	180
Unit 7	0.00	117.30	0	0	0
	18.11	661.88			764
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	109.56	0	0	0
Unit 4	4.46	20.23	195	170	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
	4.46	129.79			190
Paras					
Unit 2	0.57	21.99	27	21	24
Unit 3	5.62	131.42	248	218	240
Unit 4	4.42	102.69	214	131	0
	10.60	256.10			264
Khaparkheda					
Unit 1	4.64	133.82	208	172	180
Unit 2	4.33	121.70	188	160	180
Unit 3	4.47	128.53	200	161	165
Unit 4	2.82	115.86	192	0	0
	16.26	499.91			525
Nasik					
Unit 1	2.19	54.28	100	75	95
Unit 2	1.76	60.87	92	56	70
Unit 3	4.80	139.48	212	184	200
Unit 4	4.36	132.83	192	165	190
Unit 5	4.37	135.60	203	147	190
	17.47	523.06			745
Koyna					
Stage 1-2	3.28	137.97	375	40	600
Stage 4	3.75	303.34	954	0	250
Stage 3	1.62	95.25	320	0	320
	8.64	536.56			1170
Kovna 12&4 Total	7.03	441.31			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		16.82	491.04	718	676	680
		16.82	491.04			680
Hydro						
KDPH		0.75	12.68	32	30	16
VTRNA		0.49	11.15	61	0	60
TILLARI		0.00	6.28	0	0	0
BHTGR/VEER		0.42	11.28	18	17	5
BHIRA T.R.		0.14	4.62	40	0	40
RNGR+BHTSA		0.10	7.00	4	4	4
BHANDARDRA		0.23	14.52	10	9	0
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.43	17.60	25	16	18
GHATGHAR		0.96	8.84	125	0	0
		3.51	93.97			143
PENCH (MS)						
Pench (MS)		0.18	9.15	24	0	
		0.18	9.15			
Wind						
MalharPeth		0.43	11.76			
Vankuswadi		0.73	25.40			
ATIT		0.44	8.86			
Kale		0.40	11.16			
Satara		0.40	19.39			
Shirala		0.57	10.68			
K Mahankal		0.46	10.69			
Supa		0.05	6.35			
Vita		2.13	42.88			
Dondaicha		5.23	157.49			
Sakri		0.87	26.55			
Nandurbar		0.75	20.42			
Khadakale		0.70	23.14			
Khaparale		0.82	20.57			
		13.98	395.34			
CPP						
TOTAL CPP		4.46	123.88			
		4.46	123.88			
Dabhol						
RGPPL		37.05	1019.73	1563	1518	1520
		37.05	1019.73			1520
Tata						
Trombay 4		2.46	64.93	110	71	100
Trombay 5		10.08	296.86	420	420	400
Trombay 6		8.77	308.10	510	160	500
Trombay 7A		2.84	84.17	120	115	120
Trombay 7B		1.58	47.08	67	65	60
Trombay 8		6.01	172.18	252	249	250
TATA Hydro		1.05	102.99	190	0	447
		32.78	1076.30			1877
REL						
1&2		12.16	373.87	523	454	500
		12.16	373.87			500
Cent Sect						
Share						3183
						3183
MS PG CL	Thermal	88.65	2742.10			3563
	Thml+Gas	105.46	3233.15			4243
	Hydro	12.16	630.53			1313
	Total	117.62	3863.68			5556
State Total		218.22	6861.94			12636

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/May/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	3750	868	707	5325	1547	639	182	3062	3535	-224	-178	11073	2333	13406	2296	15702	49.77
2	3564	146	708	4418	1549	604	181	2968	3863	-135	-76	10563	2822	13385	2137	15522	49.82
3	3507	119	709	4335	1549	641	199	2922	4272	-90	-30	10989	2677	13666	2057	15723	49.77
4	3610	124	711	4445	1553	550	184	2865	4491	-40	21	11247	2341	13588	1931	15519	49.87
5	3617	129	710	4456	1550	471	188	3021	4596	-40	21	11282	2371	13653	1865	15518	49.73
6	3609	817	712	5138	1556	463	179	3045	4211	-40	17	11564	2683	14247	1861	16108	49.78
7	3652	171	717	4540	1563	445	179	2972	3563	-79	-27	10263	3626	13889	1858	15747	49.96
8	3673	119	718	4510	1560	544	181	3018	3741	-129	-71	10465	3722	14187	1814	16001	50.01
9	3746	151	713	4610	1558	462	188	3162	3763	-263	-212	10369	3928	14297	1878	16175	50.07
10	3724	189	706	4619	1555	468	187	3131	4015	-279	-233	10611	3937	14548	1879	16427	50.10
11	3689	229	696	4614	1542	430	191	3129	4039	-279	-234	10582	3895	14477	1960	16437	49.92
12	3629	480	684	4793	1529	529	191	3127	4593	-279	-231	11404	3645	15049	2027	17076	49.66
13	3657	667	685	5009	1531	505	188	3125	4602	-279	-229	11606	3536	15142	2037	17179	49.72
14	3708	780	679	5167	1520	608	189	3124	4556	-279	-228	11812	3311	15123	2037	17160	49.62
15	3632	1132	676	5440	1518	526	189	3125	3752	-279	-226	11199	3591	14790	2063	16853	49.57
16	3640	1109	681	5430	1523	449	190	3104	3799	-279	-228	11163	3887	15050	2129	17179	49.62
17	3645	733	691	5069	1533	535	179	3099	3959	-279	-228	11047	3845	14892	2060	16952	49.81
18	3659	374	699	4732	1541	763	184	3228	4132	-279	-228	11124	3689	14813	2014	16827	49.95
19	3754	191	703	4648	1545	765	191	3035	3736	-320	-270	10615	4011	14626	1985	16611	49.99
20	3811	281	701	4793	1542	691	186	3052	3936	-343	-296	10861	4146	15007	2113	17120	49.78
21	3843	742	700	5285	1541	740	189	3054	3975	-343	-289	11465	3773	15238	2204	17442	49.68
22	3886	501	705	5092	1546	707	187	3007	4201	-296	-246	11510	3433	14943	2246	17189	49.81
23	3852	798	705	5355	1547	730	183	2871	4061	-162	-104	11796	3080	14876	2231	17107	49.71
24	3795	1307	702	5804	1548	711	196	3010	3032	-266	-202	11112	3057	14169	2266	16435	49.58
MUs	88.65	12.16	16.82	117.63	37.05	13.98	4.48	73.26	96.42	-5.29	-4.01	265.72	81.34	347.06	48.95	396.01	49.80

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/May/2010

Position as on 6.30 Hrs of 31/May/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	16/06/2010
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	15/06/2010
Chandrapur Unit 5	500	16/04/2010	15.49		Continued.	Water Balancing Problem.	15/06/2010
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
Cent_Sect NTPC(K-4)	500	09/05/2010	07.00		Continued.	Annual Overhaul	12/06/2010
Cent_Sect NTPC(V-4)	210	19/05/2010	17:09		Continued.	Annual O/H .	09/06/2010
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	
Parli Unit 7	250	28/05/2010	21.41		Continued.	Low Pressure bypass valve leakage	01/06/2010
Khaparkheda Unit 4	210	30/05/2010	01.19	30/05/2010	08.01	Drum Level High.	
Cent_Sect NTPC(K-3)	210	30/05/2010	02.44	30/05/2010	14.36	Condenser Leakage.	
Koradi Unit 7	210	30/05/2010	11.22	31/05/2010	06.39	Furnace Pressure High.	
Cent_Sect NTPC(K-5)	500	30/05/2010	14.45		Continued.	Boiler Tube Leakage	02/06/2010

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

Position as on 6.30 Hrs of 31/May/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	09/04/2010	13.00		Continued.	To control Aurangabad ICT loading.
Wardha - Akola - II	29/04/2010	11.37		Continued.	Due to line loading.
Dhule-Sar'Sarovar - II	24/05/2010	23.34		Continued.	For 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 Stion T/F-IV @ Chandrapur	29/05/2010	10.18		Continued.	Maintainance Work.
Lonikand-Karad	30/05/2010	06.10	30/05/2010	18.58	Defective Insulator Replacement.
Parly - Chandrapur - II	30/05/2010	07.16	30/05/2010	18.40	Replacement of Faulty Disc Insulator.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV,100 MVA ICT-I At Kalmeshwar	20/02/2010	10.34		Continued.	Repl.of ICT by 200 MVA New ICT.
220/132 KV,100 MVA T/F-II @ Malegaon	08/04/2010	08.55		Continued.	ICT tobe replaced with new 200MVA ICT
220/132kv 100MVA ICT-III at padegaon	12/05/2010	13.30		Continued.	Replacement of 100 MVA ICT By 200 MVA ICT.
220/132 KV 100 MVA ICT - I @ Ranjangaon	18/05/2010	13.48		Continued.	Transformer Augmentation work.
Tifil-Trombay	30/05/2010	07.39	30/05/2010	17.45	Replacement of Deterioted Conductor Loc.No 707B-712 B in Washi Creek area.
220/66KV,50 MVA ICT-II at Wardha	30/05/2010	16.20	30/05/2010	21.08	LV Side B Ph CT Replacement Due to Heavy Oil Leakage.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Borivali-Borivali-II	30/05/2010	14.48	30/05/2010	17.50	Attending Hot Spot.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV,315 MVA ICT-I at Parly.	29/05/2010	22.22		Continued.	ICT Charged with LV Side on TBC due to PDR Problem.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220 KV TBC @ Parvati	29/05/2010	22.15	30/05/2010	02.20	Replacement of Jumpers & Attending Hot Spot.
220/132KV200 MVA ICT-III @Phursungi	30/05/2010	02.19	30/05/2010	05.35	To Attend Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	24/05/2010	18.01		Continued.	For Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5/6.6 KV 70 MVA Stn.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		
Purti - Bhugaon	31/05/2010	02.58	31/05/2010	04.22	220KV Purti Bus Fault.
Khaperkheda-Purti	31/05/2010	02.58		Continued.	B Ph CT Burst & Caught Fire,220KV Purti Bus Fault.
Talandge - Sawantwadi	31/05/2010	04.17		Continued.	Distanace Protection,Declared Faulty.
Voltage Level : 132KV			Outage Type TRIPPED		
132/3.3 KV 6 MVA Stn T/F @ Paras	15/03/2010	16.16		Continued.	B Ph CT Burst.

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

Position as on 6.30 Hrs of 31/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
132 KV Capaciter Bank @ Nanded	24/04/2010	21.45		Continued.	Capaciter Bank Breaker Burst.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 31/May/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	60
Unit 2	105	65
Unit 3	105	70
Unit 4	105	60
Unit 5	200	100
Unit 6	210	130
Unit 7	210	0
	1040	485
Bhusawal		
Unit 1	58	50
Unit 2	210	180
Unit 3	210	180
	478	410
Parli		
Unit 1	30	22
Unit 2	30	22
Unit 3	210	180
Unit 4	210	180
Unit 5	210	180
Unit 6	250	250
Unit 7	250	
	1190	834
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	44
Unit 3	250	220
Unit 4	250	
	555	264
Khaparkheda		
Unit 1	210	210
Unit 2	210	180
Unit 3	210	190
Unit 4	210	190
	840	770
Nasik		
Unit 1	120	86
Unit 2	120	61
Unit 3	210	182
Unit 4	210	172
Unit 5	210	182
	870	683
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	670

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	670
Hydro		
KDPH	40	30
VTRNA	60	60
TILLARI	60	0
BHTGR/VEER	21	5
BHIRA T.R.	80	40
RNGR+BHTSA	20	5
BHANDARDRA	45	10
ELDARY	23	0
SMLHY PTN	12	12
GHATGHAR	250	0
	611	162
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	1520
	960	1520
Tata		
Trombay 4	150	100
Trombay 5	500	415
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1892
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3161
	3143	3161