



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

State Load Dispatch Center, Airoli

Daily system Report

for

26/May/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 26/May/2010 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	98.946	2376.291	1) Madhya Pradesh	74.471	1800.934
2) Hydro	4.639	588.697	2) Gujrat	18.961	581.711
3) Gas	16.733	423.844	3) Goa	-6.819	-168.689
Total MSGENCO	120.318	3388.832	4) TAPS 1&2 (Inj.)	7.210	187.143
B) OTHERS			5) Pench (Excess)	-0.400	-7.818
1) RGPPL Gas	37.550	871.931	# Total Cent. Sector	93.423	2393.281
2) Wind Generation	23.157	325.549	F) Other Exchanges		
3) CPP	4.162	108.308	1) With TPCL (Excess)	-10.774	-221.363
4) PENCH (MS)	0.400	8.000	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	14.642	233.178
1) TPCL Thermal	31.494	841.608	Include PX	3.609	89.642
2) TPCL Hydro	5.333	87.986	2) MUMBAI Bilateral	11.918	243.065
TOTAL TPCL	36.827	929.594	Include PX	1.188	26.324
3) REL Thermal	12.514	324.203	3) MUMBAI Schedule	11.918	243.065
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	142.954	3542.102	1) MSEDCL	268.236	6874.538
2) Hydro (A2+B3+C2)	10.372	684.683	2) TPCL	38.698	940.357
3) Gas (A3+B1)	54.283	1295.775	3) REL	21.415	534.800
4) Wind (B2)	23.157	325.549	TOTAL STATE	328.349	8349.695
5) CPP (B3)	4.162	108.308			
TOTAL STATE	234.928	5956.417			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 1 Hrs
MSGENCO Thermal	4250	4237	3921
MSGENCO Hydro	239	247	144
MSGENCO Gas	686	685	705
MSGENCO Total Generation	5175	5169	4770
Central Sector Receipt	4176	4043	3887
RGPPL	1549	1559	1568
WIND	955	933	982
CPP	175	174	171
Exchange with TPCL	-674	-673	-403
MSEDCL DEMAND MET	11356	11229	10999
Load Shedding	3683	4096	1667
MSEDCL DEMAND (INCL. LS)	15039	15325	12666
TPCL GENERATION	1765	1806	1391
REL GENERATION	520	520	523
TPCL+REL DEMAND	2959	2999	2317
STATE DEMAND MET	14315	14228	13316
STATE DEMAND (INCL. LS)	17998	18324	14983
Frequency (Hz)	49.83	49.83	49.80
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4989 MW at 21.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			93.45 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.53 Hz at 18.05 Hrs	49.37 Hz at 14.24 Hrs	49.9	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 26/May/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.79	43.84	79	71	80
Unit 2	0.84	35.38	64	0	0
Unit 3	1.65	37.76	75	62	70
Unit 4	1.43	11.74	67	39	62
Unit 5	2.89	62.11	141	97	130
Unit 6	2.96	71.78	139	113	130
Unit 7	2.96	83.04	145	109	130
	14.54	345.65			602
Bhusawal					
Unit 1	1.01	26.33	49	31	50
Unit 2	4.18	109.90	186	146	160
Unit 3	4.00	93.52	176	153	160
	9.19	229.75			370
Parli					
Unit 1	0.00	11.91	0	0	0
Unit 2	0.54	14.20	24	22	22
Unit 3	4.07	100.63	183	146	180
Unit 4	4.06	100.96	183	152	180
Unit 5	3.34	95.05	149	129	140
Unit 6	6.00	153.45	253	241	250
Unit 7	3.04	111.92	139	101	
	21.05	588.12			772
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	4.05	109.56	181	136	180
Unit 4	3.32	3.45	194	35	180
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
	7.37	113.00			360
Paras					
Unit 2	0.90	19.48	45	19	46
Unit 3	4.76	110.07	256	0	240
Unit 4	5.11	86.06	230	195	
	10.76	215.60			286
Khaparkheda					
Unit 1	4.72	115.09	208	180	210
Unit 2	4.34	104.77	188	169	180
Unit 3	4.48	110.53	196	159	190
Unit 4	4.52	100.85	193	183	190
	18.06	431.23			770
Nasik					
Unit 1	2.31	45.26	99	91	90
Unit 2	1.92	53.94	88	70	90
Unit 3	4.68	120.30	205	184	200
Unit 4	4.40	115.39	189	180	190
Unit 5	4.68	118.02	200	185	200
	17.98	452.92			770
Koyna					
Stage 1-2	1.12	126.88	70	35	600
Stage 4	0.00	291.37	0	0	250
Stage 3	0.08	89.78	84	0	320
	1.21	508.02			1170
Kovna 12&4 Total	1.12	418.24			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units	16.73	423.84	709	683	670	
	16.73	423.84			670	
Hydro						
KDPH	0.72	10.48	32	16	36	
VTRNA	0.40	9.42	61	0	60	
TILLARI	0.00	6.28	0	0	0	
BHTGR/VEER	0.42	10.21	18	17	10	
BHIRA T.R.	0.22	3.74	42	0	40	
RNGR+BHTSA	0.10	6.60	5	4	12	
BHANDARDRA	0.44	13.30	20	18	25	
ELDARY	0.00	0.00	0	0	0	
SMLHY PTN	0.56	15.38	32	21	6	
GHATGHAR	0.56	5.27	120	0	0	
	3.43	80.67			189	
PENCH (MS)						
Pench (MS)	0.40	8.00	39	0		
	0.40	8.00				
Wind						
MalharPeth	0.82	9.28				
Vankuswadi	2.28	20.61				
ATIT	0.31	6.87				
Kale	0.81	9.28				
Satara	3.12	14.60				
Shirala	0.64	8.57				
K Mahankal	0.09	9.81				
Supa	0.42	5.51				
Vita	3.66	34.60				
Dondaicha	6.16	131.06				
Sakri	1.86	21.36				
Nandurbar	0.58	17.34				
Khadakale	0.99	20.10				
Khaparale	1.42	16.54				
	23.16	325.55				
CPP						
TOTAL CPP	4.16	108.31				
	4.16	108.31				
Dabhol						
RGPPL	37.55	871.93	1574	1547	1520	
	37.55	871.93			1520	
Tata						
Trombay 4	2.60	54.66	112	104	100	
Trombay 5	9.96	256.70	415	415	400	
Trombay 6	9.80	268.00	460	210	500	
Trombay 7A	2.84	72.80	120	117	120	
Trombay 7B	1.59	40.74	67	66	60	
Trombay 8	4.70	148.72	252	150	250	
TATA Hydro	5.33	87.99	459	0	447	
	36.83	929.59			1877	
REL						
1&2	12.51	324.20	524	519	500	
	12.51	324.20			500	
Cent Sect						
Share					3554	
					3554	
MS PG CL	Thermal	98.95	2376.29		3930	
	Thml+Gas	115.68	2800.14		4600	
	Hydro	4.64	588.70		1359	
	Total	120.32	3388.83		5959	
State Total		234.93	5956.42		13410	

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 26/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	3921	144	705	4770	1568	982	171	3343	3887	-450	-403	10999	1667	12666	2317	14983	49.80
2	3923	144	700	4767	1574	1000	174	3225	3493	-334	-294	10738	2221	12959	2155	15114	50.01
3	3962	144	706	4812	1566	1068	175	3178	3552	-289	-241	10956	2112	13068	2032	15100	49.81
4	3973	134	700	4807	1573	1040	175	3178	3859	-289	-237	11227	1977	13204	1971	15175	50.00
5	4002	134	700	4836	1571	1067	173	3178	3654	-289	-241	11070	2007	13077	1918	14995	49.91
6	4029	154	706	4889	1567	1024	174	3178	3545	-289	-241	10963	2426	13389	1930	15319	49.79
7	4080	144	709	4933	1572	1006	175	3250	3032	-271	-223	10495	3536	14031	1877	15908	49.94
8	4193	134	700	5027	1573	1095	173	3249	3122	-271	-225	10765	3491	14256	1942	16198	50.09
9	4201	159	700	5060	1572	1017	174	3386	3394	-406	-370	10847	3396	14243	2199	16442	50.16
10	4232	212	703	5147	1567	835	175	3545	3711	-544	-512	10923	3377	14300	2583	16883	49.97
11	4276	244	702	5222	1564	872	169	3587	4053	-591	-554	11326	3404	14730	2851	17581	49.97
12	4250	239	686	5175	1549	955	175	3706	4176	-716	-674	11356	3683	15039	2959	17998	49.83
13	4190	258	690	5138	1550	876	174	3705	4250	-721	-613	11399	3771	15170	2918	18088	49.73
14	4203	256	692	5151	1550	815	175	3707	4143	-724	-665	11193	3508	14701	3017	17718	49.75
15	4221	365	698	5284	1547	800	172	3710	3939	-701	-653	11113	3722	14835	2998	17833	49.61
16	4213	243	683	5139	1555	795	174	3726	3900	-693	-651	10936	4151	15087	3038	18125	49.87
17	4237	247	685	5169	1559	933	174	3760	4043	-714	-673	11229	4096	15325	2999	18324	49.83
18	4212	136	692	5040	1567	983	172	3655	4073	-590	-550	11309	3926	15235	2866	18101	50.04
19	3971	202	698	4871	1566	993	174	3497	3704	-516	-471	10861	4238	15099	2696	17795	50.20
20	3996	252	696	4944	1565	991	173	3600	4061	-538	-488	11270	4259	15529	2683	18212	49.96
21	4093	228	698	5019	1570	1010	175	3602	4599	-538	-495	11902	3762	15664	2652	18316	49.98
22	4173	204	698	5075	1570	1000	171	3561	4646	-493	-449	12037	3417	15454	2527	17981	49.93
23	4191	136	693	5020	1569	1087	173	3505	4540	-448	-398	12015	2963	14978	2490	17468	49.75
24	4195	126	693	5014	1568	917	172	3557	4051	-502	-453	11308	2938	14246	2497	16743	49.71
MUs	98.94	4.64	16.73	120.31	37.55	23.16	4.16	83.59	93.43	-11.92	-10.77	268.24	78.05	346.28	60.12	406.40	49.90

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 26/May/2010

Position as on 6.30 Hrs of 27/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	30/05/2010
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.	30/05/2010
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.	30/05/2010
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	
Koradi Unit 2	105	23/05/2010	03.00	26/05/2010	06.51	Boiler Tube Leakage.	
Parli Unit 1	30	23/05/2010	21:54		Continued.	W/DN due to main Steam line leakage.	27/05/2010
Cent_Sect TARAPUR-3	540	24/05/2010	11.28	26/05/2010	14:38	Reactor Problem.	
Paras Unit 3	250	26/05/2010	18.00	26/05/2010	20.26	Furnance pressure High	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 26/May/2010

Position as on 6.30 Hrs of 27/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kolhapur-Mapusa Ckt I	25/05/2010	08.30		Continued.	Line on TBC, own breaker gas leakage problem.
Akola - Aurangabad - II	26/05/2010	16.30	26/05/2010	17.57	For taking oil sample of CT, outage was on main bay. ckt was on tie breaker
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Mudsungi - chikodi	26/05/2010	12.00	26/05/2010	19.10	Replacement of C&R pannel of 220KV Chikodi
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.
Voltage Level : 220KV			Outage Type TRIPPED		
Bhoisor-Bhoisor(PGCIL)-I	26/05/2010	12.40	26/05/2010	13.15	Bus Fault at Bhoisor
Boiser-Taps	26/05/2010	12.40	26/05/2010	13.40	Bus fault at Bhoisor
Bhoisor - Bhoisor PGCIL-II	26/05/2010	12.40	26/05/2010	13.48	Bus Fault at Bhoisor
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.
N.Koyna-jaigad-I	21/05/2010	12.28		Continued.	Maintenance Work.
Lonikand - Parly - II	26/05/2010	07.38	26/05/2010	19.48	Replacement of faulty disc insulator.
C'pur-Parli II	26/05/2010	07.38	26/05/2010	19.43	Replacement of faulty insulator.
Karad-Kolhapur CKT I	26/05/2010	09.04	26/05/2010	19.59	Replacement of faulty disc insulator string work.
Own breaker of 400KV Akola-A'bad-II	26/05/2010	16.30	26/05/2010	17.57	For taking oil sample of CT, outage was on main bay. ckt was on tie breaker.
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 to be 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.
220/132 KV 250 MVA ICT at Ambazari	26/05/2010	07.12	26/05/2010	10.25	Q.M. Work
Pusad-Parbhani	26/05/2010	07.49	26/05/2010	18.34	E/W replacement .
Main Bus - I at Kurkumbh	26/05/2010	10.00	26/05/2010	15.10	Q.M. Work.
Karad-Vita-II	26/05/2010	10.20	26/05/2010	13.26	Dismantling of coupling conductor and W.T. under L.E.S. Scheme.
Main Bus-II @ Lamboti	26/05/2010	11.00	26/05/2010	18.18	Q.M. Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Boiser - Palghar - I	26/05/2010	11.30	26/05/2010	17.13	R Ph. CT replacement work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	24/05/2010	18.01		Continued.	For Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Bhoisor - Borivali	26/05/2010	13.25	26/05/2010	13.51	H/T due to Overload

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 26/May/2010

Position as on 6.30 Hrs of 27/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Apta-Bombay Dyeing	26/05/2010	15.55	26/05/2010	17.33	PDR Operated at B'Dying
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		
Borivali-Boisar	26/05/2010	12.40	26/05/2010	13.10	Bus bar protection operated.
Boisor-Versova	26/05/2010	12.40	26/05/2010	13.29	Bus bar protection operated.
220/132 KV,200 MVA T/F-II at Boiser	26/05/2010	12.40	26/05/2010	14.10	Bus bar protection operated.
220/132 KV,150 MVA T/f At Boiser	26/05/2010	12.40	26/05/2010	13.52	Bus bar protection operated.
220/33KV,50 MVA T/F-II At Boiser.	26/05/2010	12.40	26/05/2010	13.16	Bus bar protection operated.
220/33KV,50 MVA T/F-I At Boiser.	26/05/2010	12.40	26/05/2010	13.17	Bus bar portection operated.
220/132 KV,200 MVA T/F-I At Boiser	26/05/2010	12.40	26/05/2010	13.19	Bus bar portection operated.
Boisor - Dahanu	26/05/2010	12.40	26/05/2010	13.33	Bus bar protection operated.
Pusad-Nanded	26/05/2010	15.22	26/05/2010	15.37	Distance protection
KDPH-Wankuswadi	26/05/2010	15.30	26/05/2010	16.05	Distance Protection
Karad-Pedambe	27/05/2010	06.02		Continued.	Distance protection.
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.
132 KV Capaciter Bank @ Nanded	24/04/2010	21.45		Continued.	Capaciter Bank Breaker Burst.
Kardha-Sakoli	07/05/2010	17.40	26/05/2010	12.25	Y phase Breaker Pole Burst at Kardha
Dhule-Dondaicha	26/05/2010	12.50	26/05/2010	13.25	Distance protection.
Dondaicha - Dondaicha	26/05/2010	12.50	26/05/2010	13.20	Backup protecton operated.
Dondaicha - Sahada	26/05/2010	12.50	26/05/2010	15.20	Tripped on O/C

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 27/May/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	65
Unit 3	105	70
Unit 4	105	70
Unit 5	200	130
Unit 6	210	130
Unit 7	210	100
	1040	645
Bhusawal		
Unit 1	58	50
Unit 2	210	195
Unit 3	210	170
	478	415
Parli		
Unit 1	30	0
Unit 2	30	22
Unit 3	210	180
Unit 4	210	180
Unit 5	210	140
Unit 6	250	250
Unit 7	250	
	1190	772
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	0
Unit 4	210	180
Unit 5	500	0
Unit 6	500	0
Unit 7	500	0
	2340	180
Paras		
Unit 2	55	46
Unit 3	250	240
Unit 4	250	
	555	286
Khaparkheda		
Unit 1	210	210
Unit 2	210	180
Unit 3	210	190
Unit 4	210	190
	840	770
Nasik		
Unit 1	120	95
Unit 2	120	90
Unit 3	210	200
Unit 4	210	190
Unit 5	210	200
	870	775
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	36
VTRNA	60	60
TILLARI	60	0
BHTGR/VEER	21	23
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	20
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	187
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	3299
	3143	3299

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