



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Apr/2010

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	91.479	3223.291	1) Madhya Pradesh	58.999	1618.661
2) Hydro	28.523	924.608	2) Gujrat	20.609	805.250
3) Gas	16.331	463.929	3) Goa	-6.019	-200.716
Total MSGENCO	136.333	4611.828	4) TAPS 1&2 (Inj.)	7.160	190.877
B) OTHERS			5) Pench (Excess)	-0.016	-10.462
1) RGPPL Gas	35.966	1086.170	# Total Cent. Sector	80.733	2403.610
2) Wind Generation	5.084	222.767	F) Other Exchanges		
3) CPP	5.515	143.783	1) With TPCL (Excess)	-10.964	-220.793
4) PENCH (MS)	0.016	10.462	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	7.448	205.914
1) TPCL Thermal	32.475	945.254	Include PX	0.000	18.072
2) TPCL Hydro	4.695	142.938	2) MUMBAI Bilateral	11.814	239.680
TOTAL TPCL	37.170	1088.192	Include PX	4.504	41.613
3) REL Thermal	12.516	375.735	3) MUMBAI Schedule	11.814	241.895
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	136.470	4544.280	1) MSEDCL	252.683	8257.827
2) Hydro (A2+B3+C2)	33.234	1078.008	2) TPCL	39.412	1089.082
3) Gas (A3+B1)	52.297	1550.099	3) REL	21.235	595.596
4) Wind (B2)	5.084	222.767	TOTAL STATE	313.330	9942.505
5) CPP (B3)	5.515	143.783			
TOTAL STATE	232.600	7538.937			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3881	3604	3898
MSGENCO Hydro	571	1712	1116
MSGENCO Gas	671	682	692
MSGENCO Total Generation	5123	5998	5706
Central Sector Receipt	3484	3846	2728
RGPPL	1462	1535	1481
WIND	109	173	486
CPP	230	233	211
Exchange with TPCL	-578	-488	-115
MSEDCL DEMAND MET	9830	11309	10497
Load Shedding	4646	4639	2221
MSEDCL DEMAND (INCL. LS)	14476	15948	12718
TPCL GENERATION	1760	1769	1335
REL GENERATION	519	519	523
TPCL+REL DEMAND	2857	2776	1973
STATE DEMAND MET	12687	14085	12470
STATE DEMAND (INCL. LS)	17333	18724	14691
Frequency (Hz)	49.04	49.30	49.31
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			6289 MW At 20.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			112.89 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.06 Hz at 06:04 Hrs	48.71 Hz at 10:13 Hrs	49.23	12.74 % 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/Apr/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.71	50.72	79	40	75
Unit 2	1.63	33.23	73	62	65
Unit 3	0.10	37.58	41	0	0
Unit 4	0.60	39.63	75	0	70
Unit 5	3.28	88.16	151	120	130
Unit 6	3.38	91.14	155	122	120
Unit 7	3.70	116.13	180	130	150
	14.39	456.58			610
Bhusawal					
Unit 1	0.97	23.26	50	28	50
Unit 2	3.91	116.85	180	140	195
Unit 3	3.16	109.83	190	0	195
	8.04	249.93			440
Parli					
Unit 1	0.58	16.40	26	21	22
Unit 2	0.56	15.04	24	23	22
Unit 3	3.81	43.30	189	132	180
Unit 4	4.10	107.86	183	158	180
Unit 5	3.15	121.31	137	123	140
Unit 6	6.02	176.89	256	229	250
Unit 7	5.64	37.37	251	165	
	23.87	518.16			794
Chandrapur					
Unit 1	0.00	23.81	0	0	0
Unit 2	0.00	48.63	0	0	0
Unit 3	4.08	98.23	192	149	180
Unit 4	0.00	119.88	0	0	0
Unit 5	0.00	150.03	0	0	0
Unit 6	0.00	0.32	0	0	0
Unit 7	0.00	246.36	0	0	0
	4.08	687.26			180
Paras					
Unit 2	1.01	25.43	45	39	46
Unit 3	0.00	140.25	0	0	0
Unit 4	4.13	71.80	203	127	
	5.14	237.48			46
Khaparkheda					
Unit 1	4.87	146.46	220	190	210
Unit 2	4.26	131.23	182	170	180
Unit 3	4.49	126.07	195	175	190
Unit 4	4.08	133.65	184	149	190
	17.70	537.41			770
Nasik					
Unit 1	2.28	60.34	100	89	95
Unit 2	2.03	63.04	97	68	90
Unit 3	4.64	133.72	205	170	200
Unit 4	4.71	138.24	209	184	210
Unit 5	4.60	141.13	202	174	210
	18.25	536.47			805
Koyna					
Stage 1-2	5.42	201.33	535	40	600
Stage 4	15.93	472.00	1089	0	250
Stage 3	4.22	142.29	318	0	320
	25.58	815.62			1170
Kovna 12&4 Total	21.36	673.33			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		16.33	463.93	694	657	660
		16.33	463.93			660
Hydro						
KDPH		0.46	12.58	19	19	18
VTRNA		0.57	19.91	61	0	0
TILLARI		0.37	10.80	60	0	60
BHTGR/VEER		0.50	10.70	21	20	5
BHIRA T.R.		0.24	7.55	80	0	80
RNGR+BHTSA		0.26	8.56	11	11	5
BHANDARDRA		0.00	10.41	0	0	0
ELDARY		0.00	1.07	0	0	0
SMLHY PTN		0.54	20.82	30	20	10
GHATGHAR		0.00	6.58	0	0	0
		2.94	108.99			178
PENCH (MS)						
Pench (MS)		0.02	10.46	12	0	
		0.02	10.46			
Wind						
MalharPeth		0.13	5.72			
Vankuswadi		0.43	13.00			
ATIT		0.06	5.30			
Kale		0.11	5.74			
Satara		0.12	8.74			
Shirala		0.11	4.98			
K Mahankal		0.22	4.30			
Supa		0.06	5.01			
Vita		0.75	24.40			
Dondaicha		1.70	91.35			
Sakri		0.25	15.16			
Nandurbar		0.56	12.57			
Khadakale		0.42	15.66			
Khaparale		0.18	10.84			
		5.08	222.77			
CPP						
TOTAL CPP		5.52	143.78			
		5.52	143.78			
Dabhol						
RGPPL		35.97	1086.17	1547	1462	1450
		35.97	1086.17			1450
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		9.96	298.78	415	415	400
Trombay 6		12.17	338.42	510	470	500
Trombay 7A		2.75	82.77	118	112	120
Trombay 7B		1.56	46.89	67	64	60
Trombay 8		6.03	178.40	255	250	250
TATA Hydro		4.70	142.94	428	0	447
		37.17	1088.19			1777
REL						
1&2		12.52	375.74	524	519	500
		12.52	375.74			500
Cent Sect						
Share						3250
						3250
MS PG CL	Thermal	91.48	3223.29			3645
	Thml+Gas	107.81	3687.22			4305
	Hydro	28.52	924.61			1348
	Total	136.33	4611.83			5653
State Total		232.60	7538.94			12630

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/Apr/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	3945	1506	680	6131	1476	386	232	3093	3115	-442	-393	10947	2309	13256	2352	15608	49.11
2	3923	996	678	5597	1473	550	209	2928	3005	-266	-221	10613	2773	13386	2142	15528	49.04
3	3947	755	687	5389	1479	497	215	2822	3177	-172	-130	10627	2504	13131	2013	15144	49.28
4	3898	1116	692	5706	1481	486	211	2746	2728	-172	-115	10497	2221	12718	1973	14691	49.31
5	3935	1372	692	5999	1479	380	210	2701	2616	-119	-60	10624	2256	12880	1900	14780	49.13
6	3935	1390	693	6018	1479	291	217	2643	2626	-66	-36	10595	2804	13399	1905	15304	49.08
7	3956	239	694	4889	1470	193	214	2767	2592	-27	18	9376	4322	13698	1864	15562	49.40
8	3965	198	694	4857	1470	182	230	2819	2748	-90	-38	9449	4525	13974	1936	15910	49.42
9	3924	206	693	4823	1470	175	230	2911	2738	-184	-133	9303	4778	14081	2149	16230	49.11
10	3960	275	685	4920	1465	126	230	3424	3336	-567	-532	9545	4784	14329	2590	16919	49.20
11	3881	571	671	5123	1462	109	230	3501	3484	-614	-578	9830	4646	14476	2857	17333	49.04
12	3795	912	664	5371	1500	166	237	3605	3499	-732	-714	10059	3993	14052	3015	17067	49.14
13	3808	1415	662	5885	1498	104	236	3718	3730	-851	-837	10616	3859	14475	3024	17499	49.17
14	3797	1543	660	6000	1491	99	230	3717	3785	-851	-835	10770	3637	14407	2960	17367	49.09
15	3844	1580	657	6081	1492	62	234	3696	3709	-875	-859	10719	3803	14522	3026	17548	49.02
16	3686	1448	663	5797	1504	72	237	3589	3677	-875	-830	10457	4212	14669	3052	17721	49.12
17	3683	1481	669	5833	1514	87	240	3589	3782	-875	-845	10611	4202	14813	3023	17836	49.20
18	3610	1622	676	5908	1522	75	239	3523	3748	-803	-786	10706	4048	14754	2863	17617	49.27
19	3555	1285	684	5524	1535	130	252	3201	3675	-561	-512	10604	4391	14995	2738	17733	49.53
20	3604	1712	682	5998	1535	173	233	3301	3846	-537	-488	11309	4639	15948	2776	18724	49.30
21	3581	1716	687	5984	1539	142	242	3255	3835	-490	-464	11282	4223	15505	2760	18265	49.37
22	3679	1330	690	5699	1543	237	246	3230	4157	-466	-441	11441	3975	15416	2612	18028	49.43
23	3745	1937	691	6373	1547	179	229	3327	3789	-561	-537	11580	3168	14748	2556	17304	49.41
24	3823	1918	687	6428	1542	183	232	3336	3341	-622	-598	11128	3129	14257	2564	16821	49.26
MUs	91.48	28.52	16.33	136.33	35.97	5.08	5.52	77.44	80.74	-11.81	-10.96	252.69	89.20	341.89	60.65	402.54	49.23

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/Apr/2010

Position as on 6.30 Hrs of 01/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
Cent_Sect NTPC(K-1)	210	01/04/2010	23.52		Continued.	Annual Overhaul	01/05/2010
Chandrapur Unit 1	210	08/04/2010	08.36		Continued.	Annual Overhaul	03/05/2010
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.	03/05/2010
Chandrapur Unit 7	500	25/04/2010	00.23		Continued.	Water Balancing Problem.	30/06/2010
Cent_Sect NTPC (V-1)	210	25/04/2010	23.30		Continued.	Annual O/H.	20/05/2010
Chandrapur Unit 4	210	28/04/2010	22.53		Continued.	Water Balancing problem	15/06/2010
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	
Tata Trombay 4	150	01/12/2009	19:16		Continued.	W/Dn.	
Koradi Unit 3	105	23/04/2010	17.26	30/04/2010	20.08	Hydrogen Leakage.	
Paras Unit 3	250	28/04/2010	10.59		Continued.	Boiler Tube Leakage	02/05/2010
Cent_Sect NTPC (K-2)	210	29/04/2010	22.58	30/04/2010	01.31	Boiler Tube Leakage	
Koradi Unit 4	115	30/04/2010	07.45	30/04/2010	22.43	Commutator Problem.	
Bhusawal Unit 3	210	30/04/2010	17.50		Continued.	Boiler Tube Leakage.	02/05/2010
Koradi Unit 4	115	01/05/2010	00.23		Continued.	Commutator problem	02/05/2010

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

Position as on 6.30 Hrs of 01/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule-Sar'Sarovar - II	27/04/2010	12.18		Continued.	Work at SSP end.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Nasik-Navsari-I	30/04/2010	08.45	30/04/2010	18.45	R.M.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad - I	09/04/2010	13.00		Continued.	To control Aurangabad ICT loading.
Voltage Level : 400KV			Outage Type TRIPPED		
Wardha - Akola - II	29/04/2010	10.54		Continued.	D.T. Command received at Akola end
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Main Bus -I at Kolhapur	30/04/2010	10.16	30/04/2010	12.51	Reconnection of A Bus Jumpers Towards Mapusa Bays.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV,100 MVA ICT-I At Kalmeshwar	20/02/2010	10.34		Continued.	ICT replacement work.
220/132 KV,150 MVA ICT At Theur.	04/04/2010	13.05	30/04/2010	17.50	Augmentation of ICT by new 200 MVA,200 MVA T/F Kept on Humming From H V Side.on dt.30.04.10 at17.50
220/132 KV,100 MVA T/F-II @ Malegaon	08/04/2010	08.55		Continued.	ICT tobe replaced with new 200MVA ICT
220 KV BusCoupler at Kharghar	21/04/2010	07.51		Continued.	O/H of SF6 Breaker
220/7KV 40 MVA Stn T/F-II at C'PUR	28/04/2010	10.49		Continued.	Oil Filtration work (4 Days)
Lonikand-Khadki	29/04/2010	05.45		Continued.	Conductor replacement
Kharghar - Kalwa	29/04/2010	10.30		Continued.	Replacement of Air Pressure S/W,line taken on TBC
220/22 KV, 50 MVA T/F-II @ Kalwa	29/04/2010	22.36		Continued.	Replacement of T/F
ABAD-BBLSWR	30/04/2010	06.08		Continued.	Line Maintainance Work.
Sonkar - Nerul	30/04/2010	08.25	30/04/2010	10.27	Relay Card Reolacement.
220/33 KV 50 MVA T/F-II @ Kharghar	30/04/2010	08.26	30/04/2010	18.14	Tan-d Measurment of C T.
Temghar-Colourchem	30/04/2010	09.05	30/04/2010	18.28	R.M.
Padegaon - Sawangi	30/04/2010	09.20	30/04/2010	17.20	Quarterly Maintainance Work.
220 KV Half Main Bus Section - I @ Kawlewada	30/04/2010	10.28	30/04/2010	15.48	Erection of 220KV Isolator of New 220/33KV 25MVA T/F & BPI Erection Work.
Kalwa - Ghatghar	30/04/2010	10.30		Continued.	Conductor Replacement.
Trombay - Sonkar	30/04/2010	10.43	30/04/2010	13.41	Relay Card Replacement.
Bhandara - Sunflag - II	30/04/2010	10.45	30/04/2010	22.56	Testing & Metering of CT & PT.
220/100 ICT-I @ KOLSHET	30/04/2010	11.30	30/04/2010	15.25	Tan Delta of Bushing & CRM of L V Side C B.
KOLSHET-KAMBA	30/04/2010	12.26	30/04/2010	16.26	Tand Measurment of C T & Jumper Replacement.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Padegaon - Paithan	30/04/2010	13.10	30/04/2010	15.35	Quarterly Maintainance Work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/33 KV 50 MVA T/F I at	30/04/2010	13.51	30/04/2010	18.43	Oil Leakage.

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

Position as on 6.30 Hrs of 01/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Boisar II S/S.					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Khadka - Deepnagar - II	31/03/2010	16.13		Continued.	Handtripped
Bhusawal- Aurangabad	09/04/2010	20.45		Continued.	To control A'Bad ICT Loading
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora - II.	24/04/2010	11.30		Continued.	To Control C'pur ICT-I Loading.
Chandrapur-Warora - I	24/04/2010	11.37		Continued.	To Control C'pur ICT-I Loading.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Buldhana-Motala	07/04/2010	10.00		Continued.	To control load ICT-I at 220KV Chikhali
Mehkar - Malegaon	07/04/2010	17.26		Continued.	Outage of ICT-II at Chikhali
Chikhali - Khamgaon	18/04/2010	17.35		Continued.	To Control Chikali ICT Loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV,315 MVA ICT-II at Chandrapur	24/04/2010	04.26		Continued.	Tripped Due to Y Ph L V Side Bushing Burst.
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		
220/33 KV 50 MVA T/F I at Boisar II S/S.	30/04/2010	16.05	30/04/2010	16.45	Under Voltage Winding Oil Temp.High.
Voltage Level : 132KV			Outage Type TRIPPED		
132/3.3 KV 6 MVA Stn T/F @ Paras	15/03/2010	16.16		Continued.	B Ph C T Burst.
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 01/May/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	75
Unit 3	105	80
Unit 4	105	0
Unit 5	200	140
Unit 6	210	130
Unit 7	210	140
	1040	645
Bhusawal		
Unit 1	58	50
Unit 2	210	180
Unit 3	210	0
	478	230
Parli		
Unit 1	30	22
Unit 2	30	22
Unit 3	210	180
Unit 4	210	170
Unit 5	210	150
Unit 6	250	250
Unit 7	250	0
	1190	794
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	190
Unit 4	210	0
Unit 5	500	0
Unit 6	500	0
Unit 7	500	0
	2340	190
Paras		
Unit 2	55	46
Unit 3	250	0
Unit 4	250	0
	555	46
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	210
Unit 5	210	210
	870	805
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	660

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	660
Hydro		
KDPH	40	18
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	18
GHATGHAR	250	0
	611	176
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	1450
	960	1450
Tata		
Trombay 4	150	0
Trombay 5	500	400
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1777
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3076
	3143	3076