



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Apr/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 29/Apr/2010 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	93.914	3131.812	1) Madhya Pradesh	64.049	1559.662
2) Hydro	28.542	896.085	2) Gujrat	27.243	784.641
3) Gas	16.390	447.598	3) Goa	-5.446	-194.697
Total MSGENCO	138.846	4475.495	4) TAPS 1&2 (Inj.)	7.132	183.717
B) OTHERS			5) Pench (Excess)	-0.080	-10.446
1) RGPPL Gas	36.580	1050.204	# Total Cent. Sector	92.898	2322.877
2) Wind Generation	6.705	217.683	F) Other Exchanges		
3) CPP	5.386	138.268	1) With TPCL (Excess)	-11.003	-209.829
4) PENCH (MS)	0.080	10.446	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	7.448	198.467
1) TPCL Thermal	32.344	912.779	Include PX	0.000	18.072
2) TPCL Hydro	4.795	138.243	2) MUMBAI Bilateral	11.810	227.865
TOTAL TPCL	37.139	1051.022	Include PX	4.417	37.109
3) REL Thermal	12.492	363.219	3) MUMBAI Schedule	11.810	230.080
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	138.750	4407.810	1) MSEDCL	269.492	8005.144
2) Hydro (A2+B3+C2)	33.417	1044.774	2) TPCL	39.243	1049.670
3) Gas (A3+B1)	52.970	1497.802	3) REL	21.392	574.361
4) Wind (B2)	6.705	217.683	TOTAL STATE	330.127	9629.175
5) CPP (B3)	5.386	138.268			
TOTAL STATE	237.228	7306.337			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3886	3974	3784
MSGENCO Hydro	1481	1643	531
MSGENCO Gas	662	659	700
MSGENCO Total Generation	6029	6276	5015
Central Sector Receipt	3914	4229	4301
RGPPL	1545	1533	1564
WIND	107	305	412
CPP	222	219	221
Exchange with TPCL	-688	-820	-106
MSEDCL DEMAND MET	11153	11742	11407
Load Shedding	4044	4218	2130
MSEDCL DEMAND (INCL. LS)	15197	15960	13537
TPCL GENERATION	1806	1664	1343
REL GENERATION	519	519	522
TPCL+REL DEMAND	3013	3003	1971
STATE DEMAND MET	14166	14745	13378
STATE DEMAND (INCL. LS)	18210	18963	15508
Frequency (Hz)	49.24	49.16	49.44
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			6061 MW At 17.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			120.73

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.1 Hz at 18.47 Hrs	48.7 Hz at 23.19 Hrs	49.31	12.79 % 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 29/Apr/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.78	49.01	81	68	65
Unit 2	1.72	31.60	82	66	65
Unit 3	0.00	37.48	0	0	0
Unit 4	1.03	39.03	87	0	0
Unit 5	3.39	84.88	156	131	135
Unit 6	3.39	87.76	155	130	140
Unit 7	3.60	112.43	185	120	140
	14.92	442.20			545
Bhusawal					
Unit 1	1.12	22.28	50	38	50
Unit 2	4.12	112.94	186	110	195
Unit 3	4.50	106.66	190	180	195
	9.74	241.89			440
Parli					
Unit 1	0.56	15.82	25	23	22
Unit 2	0.56	14.47	24	22	22
Unit 3	4.03	39.49	195	152	160
Unit 4	3.69	103.75	166	132	160
Unit 5	3.28	118.16	149	126	150
Unit 6	6.01	170.87	253	249	250
Unit 7	4.94	31.72	252	117	
	23.06	494.28			764
Chandrapur					
Unit 1	0.00	23.81	0	0	0
Unit 2	0.00	48.63	0	0	0
Unit 3	4.37	94.15	195	164	190
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
	4.37	683.18			190
Paras					
Unit 2	1.05	24.42	47	40	46
Unit 3	0.00	140.25	0	0	0
Unit 4	4.57	67.66	202	160	
	5.62	232.34			46
Khaparkheda					
Unit 1	4.80	141.58	210	180	210
Unit 2	4.35	126.97	186	172	180
Unit 3	4.45	121.58	194	176	190
Unit 4	4.18	129.58	182	166	190
	17.77	519.71			770
Nasik					
Unit 1	2.20	58.06	100	88	95
Unit 2	2.10	61.01	96	63	90
Unit 3	4.76	129.08	209	187	200
Unit 4	4.68	133.53	204	182	210
Unit 5	4.68	136.53	204	187	210
	18.42	518.21			805
Koyna					
Stage 1-2	6.36	195.90	565	35	600
Stage 4	15.25	456.07	1104	0	250
Stage 3	4.61	138.07	320	0	320
	26.23	790.04			1170
Kovna 12&4 Total	21.61	651.98			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		16.39	447.60	712	653	660
		16.39	447.60			660
Hydro						
KDPH		0.46	12.12	20	19	18
VTRNA		0.00	19.35	0	0	0
TILLARI		0.36	10.43	60	0	60
BHTGR/VEER		0.48	10.20	22	20	10
BHIRA T.R.		0.24	7.30	82	0	80
RNGR+BHTSA		0.26	8.30	12	11	10
BHANDARDRA		0.00	10.41	0	0	0
ELDARY		0.00	1.07	0	0	0
SMLHY PTN		0.50	20.28	25	20	12
GHATGHAR		0.00	6.58	0	0	0
		2.32	106.04			190
PENCH (MS)						
Pench (MS)		0.08	10.45	24	0	
		0.08	10.45			
Wind						
MalharPeth		0.16	5.59			
Vankuswadi		0.37	12.57			
ATIT		0.12	5.24			
Kale		0.11	5.64			
Satara		0.12	8.63			
Shirala		0.10	4.87			
K Mahankal		0.19	4.08			
Supa		0.17	4.95			
Vita		0.71	23.65			
Dondaicha		2.94	89.65			
Sakri		0.45	14.92			
Nandurbar		0.40	12.01			
Khadakale		0.50	15.24			
Khaparale		0.35	10.66			
		6.70	217.68			
CPP						
TOTAL CPP		5.39	138.27			
		5.39	138.27			
Dabhol						
RGPPL		36.58	1050.20	1574	1406	1450
		36.58	1050.20			1450
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		9.96	288.82	415	415	400
Trombay 6		12.18	326.25	510	480	500
Trombay 7A		2.62	80.02	119	70	100
Trombay 7B		1.53	45.33	67	52	60
Trombay 8		6.05	172.36	255	250	250
TATA Hydro		4.80	138.24	451	0	447
		37.14	1051.02			1757
REL						
1&2		12.49	363.22	525	517	500
		12.49	363.22			500
Cent Sect						
Share						3335
						3335
MS PG CL	Thermal	93.91	3131.81			3560
	Thml+Gas	110.30	3579.41			4220
	Hydro	28.54	896.08			1360
	Total	138.85	4475.50			5580
State Total		237.23	7306.34			12622

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/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	3817	1369	692	5878	1546	397	221	3131	3682	-419	-423	11301	2167	13468	2361	15829	49.33
2	3807	652	695	5154	1557	495	220	3009	3601	-301	-297	10730	2696	13426	2159	15585	49.38
3	3782	527	697	5006	1560	479	220	2878	4030	-182	-169	11126	2449	13575	2008	15583	49.44
4	3784	531	700	5015	1564	412	221	2801	4301	-182	-106	11407	2130	13537	1971	15508	49.44
5	3787	1053	702	5542	1574	403	225	2757	4060	-130	-66	11738	2173	13911	1919	15830	49.47
6	3787	1373	703	5863	1555	334	222	2698	3896	-77	-73	11797	2560	14357	1939	16296	49.46
7	3845	271	712	4828	1552	235	222	2858	3909	-69	-31	10715	3790	14505	1917	16422	49.73
8	3919	105	711	4735	1531	194	222	2878	3975	-91	-53	10604	4009	14613	1970	16583	49.77
9	3939	563	692	5194	1544	185	225	2973	3439	-185	-134	10453	4259	14712	2199	16911	49.34
10	3939	1224	685	5848	1561	162	225	3485	3623	-567	-529	10890	4332	15222	2600	17822	49.36
11	3921	1085	693	5699	1551	124	227	3550	3883	-614	-589	10903	4246	15149	2879	18028	49.32
12	3886	1481	662	6029	1545	107	222	3666	3914	-732	-688	11153	4044	15197	3013	18210	49.24
13	3938	1662	656	6256	1533	100	228	3781	4324	-852	-815	11650	3916	15566	3010	18576	49.10
14	3959	1728	654	6341	1522	69	223	3780	4429	-852	-818	11790	3748	15538	2946	18484	49.00
15	3984	1711	653	6348	1521	91	222	3754	4205	-873	-844	11543	3997	15540	3036	18576	49.02
16	3972	1757	655	6384	1523	53	220	3593	3943	-817	-826	11297	4234	15531	3077	18608	49.07
17	3974	1643	659	6276	1533	305	219	3599	4229	-818	-820	11742	4218	15960	3003	18963	49.16
18	3952	1199	670	5821	1547	288	221	3588	4192	-804	-769	11300	4097	15397	2880	18277	49.34
19	4019	843	678	5540	1555	354	220	3263	3490	-562	-508	10651	4585	15236	2699	17935	49.56
20	4065	962	697	5724	1463	336	217	3364	3836	-538	-486	11090	4774	15864	2728	18592	49.31
21	4026	1499	701	6226	1406	481	224	3320	3671	-491	-445	11563	4240	15803	2658	18461	49.30
22	4005	1729	674	6408	1408	473	240	3299	3389	-467	-422	11496	3902	15398	2583	17981	49.15
23	3954	1889	673	6516	1433	367	239	3396	3494	-562	-511	11538	3304	14842	2542	17384	49.08
24	3865	1686	676	6227	1496	261	241	3334	3383	-624	-581	11027	3266	14293	2537	16830	49.10
MUs	93.93	28.54	16.39	138.86	36.58	6.70	5.39	78.76	92.90	-11.81	-11.00	269.50	87.14	356.64	60.63	417.27	49.31

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 29/Apr/2010

Position as on 6.30 Hrs of 30/Apr/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		Continued.	Hydrogen Leakage.	30/04/2010
Koradi Unit 4	115	25/04/2010	13.46	29/04/2010	09.38	BLR T/L.	
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		Continued.	Boiler Tube Leakage	02/05/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Apr/2010

Position as on 6.30 Hrs of 30/Apr/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d 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 : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad - I	09/04/2010	13.00		Continued.	To control Aurangabad ICT loading.
Akola - Wardha - I	13/04/2010	00.43	29/04/2010	11.24	Hand Tripped For Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Wardha - Akola - II	29/04/2010	10.54		Continued.	D.T. Command received at Akola end
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik-Navsari -II	29/04/2010	09.51	29/04/2010	19.20	Insulator washing and Tree cutting
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Koyna IV - Jejuri	29/04/2010	09.08	29/04/2010	20.55	Replacement of Disc insulator
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		Continued.	Augmentation of ICT by new 200 MVA.
220/132 KV 100 MVA ICT-II @ Chikali	07/04/2010	17.50	29/04/2010	17.21	Outage for replacement by 200 MVA 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 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
Bhugaon-Pusad	29/04/2010	08.37	29/04/2010	17.36	Replacement of LA
Kharepatan-Pawas	29/04/2010	09.20	29/04/2010	19.04	Insulator washing
220/132 KV 115 MVA T/F at Lonand	29/04/2010	09.30	29/04/2010	13.25	To attend Oil Leakage
Kharghar - Kalwa	29/04/2010	10.30		Continued.	Replacement of Air Pressure S/W,line taken on TBC
Pirangut - Hinjewadi - II	29/04/2010	13.25	29/04/2010	17.35	Tree Cutting
220/22 KV, 50 MVA T/F-II @ Kalwa	29/04/2010	22.36		Continued.	Replacement of T/F
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		
220/22 KV 50 MVA T/F - I @ Airoli	02/04/2010	23.02		Continued.	Hand Tripped, taken on humming on 28/4/2010
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		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Apr/2010

Position as on 6.30 Hrs of 30/Apr/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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.
Lonikand- Koyna Stage IV	29/04/2010	11.36	29/04/2010	15.27	Distance Protection
Voltage Level : 220KV			Outage Type TRIPPED		
Kolhapur - Karad - II	29/04/2010	17.35	29/04/2010	17.57	Distance Protection,B phase Earth Fault
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 30/Apr/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	75
Unit 2	105	65
Unit 3	105	0
Unit 4	105	70
Unit 5	200	130
Unit 6	210	120
Unit 7	210	150
	1040	610
Bhusawal		
Unit 1	58	50
Unit 2	210	195
Unit 3	210	195
	478	440
Parli		
Unit 1	30	22
Unit 2	30	22
Unit 3	210	180
Unit 4	210	180
Unit 5	210	140
Unit 6	250	250
Unit 7	250	
	1190	794
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	180
Unit 4	210	0
Unit 5	500	0
Unit 6	500	0
Unit 7	500	0
	2340	180
Paras		
Unit 2	55	46
Unit 3	250	0
Unit 4	250	
	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	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	5
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	178
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	3250
	3143	3250

	17376	7 of 7	12630
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