



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/Apr/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 28/Apr/2011 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	124.472	3550.458	1) Madhya Pradesh	66.003	1498.943
2) Hydro	21.781	645.496	2) Gujrat	27.778	888.427
3) Gas	15.256	416.641	3) Goa	-6.626	-185.200
Total MSGENCO	161.509	4612.595	4) TAPS 1&2 (Inj.)	3.865	180.012
B) OTHERS			5) Pench (Excess)	-0.082	-5.873
1) RGPPL Gas	33.328	966.983	# Total Cent. Sector	90.938	2376.309
2) Wind Generation	8.650	167.101	F) Other Exchanges		
3) CPP	24.798	674.727	1) With TPCL (Excess)	-12.627	-351.316
4) PENCH (MS)	0.082	5.873	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	14.881	405.313
1) TPCL Thermal	28.871	706.548	Include PX	0.000	2.294
2) TPCL Hydro	4.476	110.181	2) MUMBAI Bilateral	13.385	371.794
TOTAL TPCL	33.347	816.729	Include PX	-1.011	18.660
3) REL Thermal	12.539	351.679	3) MUMBAI Schedule	13.385	374.169
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	165.882	4608.685	1) MSEDCL	306.678	8452.272
2) Hydro (A2+B3+C2)	26.339	761.550	2) TPCL	38.788	1003.900
3) Gas (A3+B1)	48.584	1383.624	3) REL	19.724	515.743
4) Wind (B2)	8.650	167.101	TOTAL STATE	365.190	9971.915
5) CPP (B3)	24.798	674.727			
TOTAL STATE	274.253	7595.687			

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	5144	5259	5215
MSGENCO Hydro	1122	1316	234
MSGENCO Gas	619	635	645
MSGENCO Total Generation	6885	7210	6094
Central Sector Receipt	4724	3504	3600
RGPPL	1368	1394	1423
WIND	100	598	289
CPP	1022	1082	966
Exchange with Mumbai	-666	-606	-292
MSEDCL DEMAND MET	13434	13182	12080
Load Shedding (LS)	203	35	0
MSEDCL DEMAND (INCL. LS)	13637	13217	12080
TPCL GENERATION	1785	1557	960
REL GENERATION	522	521	522
TPCL+REL DEMAND	2973	2684	1774
STATE DEMAND MET	16407	15866	13854
Load Management (LM)	2290	3600	1532
Total Load Relief (LS+LM)	2493	3635	1532
UNRESTRICTED STATE DEMAND	18900	19501	15386
Frequency (Hz)	49.77	49.64	49.70

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.26 Hz at 07.05 Hrs	48.82 Hz at 00.09 Hrs	49.75	1.42 % of Time(min)

* 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 28/Apr/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	4.10	112.31	179	130	180
Unit 6	4.47	120.77	191	171	190
Unit 7	4.44	104.49	195	175	190
	13.02	337.57			560
Bhusawal					
Unit 2	4.30	110.77	195	168	190
Unit 3	4.46	112.83	190	180	190
Unit 4		0.00	0	0	0
	8.76	223.60			380
Parli					
Unit 3	4.02	98.23	186	135	172
Unit 4	3.83	110.68	186	126	170
Unit 5	0.00	95.55	0	0	0
Unit 6	5.09	145.60	235	172	240
Unit 7	5.10	130.10	237	140	240
	18.04	580.17			822
Chandrapur					
Unit 1	3.68	104.09	168	137	165
Unit 2	3.75	89.34	167	137	160
Unit 3	4.51	109.08	200	172	190
Unit 4	4.07	97.01	175	157	170
Unit 5	10.14	288.39	455	360	425
Unit 6	9.29	285.61	405	370	380
Unit 7	10.31	228.17	442	400	440
	45.75	1201.68			1930
Paras					
Unit 3	4.70	130.02	217	175	185
Unit 4	5.13	155.00	240	169	230
	9.83	285.03			415
Khaparkheda					
Unit 1	4.44	128.36	210	165	180
Unit 2	4.43	113.64	197	170	190
Unit 3	0.00	115.74	0	0	0
Unit 4	5.23	145.17	223	211	210
Unit 5		0.00	0	0	0
	14.10	502.91			580
Nasik					
Unit 1	0.00	40.26	0	0	0
Unit 2	1.36	45.86	100	0	90
Unit 3	4.54	122.17	195	180	190
Unit 4	4.58	112.80	205	164	200
Unit 5	4.50	98.41	197	174	200
	14.99	419.50			680
Uran					
All Units	15.26	416.64	659	617	620
	15.26	416.64			620
Dabhol					
RGPPL	33.33	966.98	1488	1334	1500
	33.33	966.98			1500
Koyna					
Stage 1-2	5.78	149.54	470	65	600
Stage 4	10.20	278.41	1082	36	250
Stage 3	2.87	91.80	266	0	320
	18.86	519.76			1170
Koyna 12&4 Total	15.99	427.96			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	11.25	0	0	0
VTRNA	0.00	34.16	0	0	0
TILLARI	0.12	6.99	60	0	0
BHTGR/VEER	0.12	9.80	5	5	6
BHIRA T.R.	0.24	6.05	82	0	80
RNGR+BHTSA	0.36	9.53	15	15	16
BHANDARDRA	0.78	5.24	33	32	0
ELDARY	0.13	5.01	11	0	12
SMLHY PTN	1.03	23.68	50	40	9
GHATGHAR	0.14	14.03	120	0	0
	2.92	125.74			123
PENCH (MS)					
Pench (MS)	0.08	5.87	26	0	0
	0.08	5.87			0
Wind					
MalharPeth	0.48	5.93			
Vankuswadi	0.62	11.40			
ATIT	0.09	3.96			
Kale	0.39	4.36			
Satara	0.31	10.23			
Shirala	0.36	4.90			
K Mahankal	0.18	3.19			
Supa	0.14	2.34			
Vita	1.30	20.10			
Dondaicha	3.05	66.99			
Sakri	0.50	10.35			
Nandurbar	0.29	7.97			
Khandke	0.67	8.44			
Khaparale	0.28	6.94			
	8.65	167.10			
CPP					
JSW JAIGAD	13.16	366.24	553	539	505
WARDHA	7.00	167.05	347	237	330
Other CPPs	4.65	141.43			
	24.80	674.73			835
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.20	295.44	490	350	500
Trombay 6	7.52	147.07	475	150	500
Trombay 7A	2.85	79.80	121	117	120
Trombay 7B	1.57	43.60	66	65	60
Trombay 8	5.73	140.64	250	160	250
TATA Hydro	4.48	110.18	404	0	447
	33.35	816.73			1877
REL					
1&2	12.54	351.68	525	518	500
	12.54	351.68			500
Cent Sect					
Share					3408
					3408

MS PG CL	Thermal	124.47	3550.46		5367
	Thml+Gas	139.73	3967.10		5987
	Hydro	21.78	645.50		1293
	Total	161.51	4612.60		7280
State Total		274.25	7595.69		15400

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/Apr/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAN D WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS														
1	5087	1034	643	6764	1382	452	1004	3266	3255	-598	-544	12313	2176	12313	2184	16673	49.48
2	5159	676	646	6481	1380	478	966	3189	3590	-494	-427	12468	2067	12468	1985	16520	49.60
3	5194	448	644	6286	1385	408	965	3090	3372	-395	-361	12055	1532	12055	1859	15446	49.58
4	5215	234	645	6094	1423	289	966	3028	3600	-338	-292	12080	1532	12080	1774	15386	49.70
5	5203	403	649	6255	1488	291	966	2992	3420	-300	-287	12133	1623	12133	1744	15500	49.72
6	5216	982	645	6843	1401	290	994	2957	3489	-283	-287	12730	1904	12730	1776	16410	49.77
7	5201	930	659	6790	1334	193	1020	3240	3987	-364	-346	12978	2161	12985	1805	16944	49.91
8	5192	792	652	6636	1373	130	1017	3257	4070	-364	-337	12889	2195	12930	1916	17000	50.03
9	5109	833	642	6584	1372	93	1026	3364	4434	-452	-438	13071	2220	13137	2215	17506	49.86
10	5097	1055	630	6782	1372	101	1021	3563	4074	-507	-523	12827	2297	12910	2598	17722	49.82
11	5152	1214	632	6998	1373	114	1021	3765	4297	-611	-621	13182	2460	13335	2893	18535	49.96
12	5144	1122	619	6885	1368	100	1022	3833	4724	-682	-666	13434	2493	13637	2973	18900	49.77
13	5159	1290	627	7076	1369	149	1052	3803	4053	-688	-658	13046	2529	13286	2970	18545	49.76
14	5172	1066	619	6857	1378	165	1052	3803	4388	-688	-628	13212	2494	13417	2896	18602	49.98
15	5111	1287	617	7015	1381	175	1055	3689	3848	-688	-664	12810	2268	13008	2953	18031	49.72
16	5201	1926	619	7746	1389	266	1064	3412	3737	-698	-684	13518	2199	13715	2969	18686	49.66
17	5254	1716	619	7589	1396	317	1053	3397	3914	-671	-634	13635	2175	13803	2933	18743	49.80
18	5301	511	627	6439	1397	477	1043	3350	3921	-622	-563	12714	2434	12876	2829	17977	49.97
19	5285	361	635	6281	1395	525	1025	3187	3801	-585	-524	12503	3267	12535	2678	18448	49.90
20	5259	1316	635	7210	1394	598	1082	3303	3504	-658	-606	13182	3635	13217	2684	19501	49.64
21	5232	884	637	6753	1394	620	1088	3351	3425	-706	-662	12637	3645	12674	2619	18901	49.62
22	5191	492	638	6321	1393	905	1092	3361	3466	-716	-673	12530	3628	12553	2494	18652	49.62
23	5215	507	638	6360	1394	852	1102	3174	3421	-634	-592	12563	3622	12584	2401	18586	49.60
24	5123	702	639	6464	1397	662	1102	3076	3148	-644	-610	12168	3197	12168	2365	17730	49.52
MUs	124.47	21.78	15.26	161.51	33.33	8.65	24.80	80.45	90.94	-13.38	-12.63	306.68	59.75	308.55	58.51	424.94	49.75

NOTE : ALL VALUES IN MW

Mumbai Sch./Net Exch is shown with reference to MSETCL System. (+) indicates Mum. to MSETCL and (-) indicates MSETCL to Mum. Mumbai Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss # Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 28/Apr/2011

Position as on 6.30 Hrs of 29/Apr/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Dabhol 1B	230	15/03/2011	02.37		Continued.	Upgradation Work.	27/04/2011
Cent_Sect NTPC(V-4)	210	10/04/2011	00.01		Continued.	Annual overhaul.	10/05/2011
Khaparkheda Unit 3	210	25/04/2011	02.51		Continued.	Annual overhaul.	25/05/2011
FORCED OUTAGE							
Parli Unit 5	210	25/04/2011	22.21		Continued.	Non availability of coal mill	30/04/2011
Cent_Sect Tarapur 2	80	26/04/2011	17.50		Continued.	Water Heater outlet Valve problem	30/04/2011
Nasik Unit 1	125	27/04/2011	11.40		Continued.	Boiler Tube Leakage.	01/05/2011
Cent_Sect Kawas GT2A	106	27/04/2011	12.43		Continued.	Tripped.	28/04/2011
Nasik Unit 2	125	28/04/2011	07:55	28/04/2011	15:30	Tripped on low drum level.	
Cent_Sect NTPC(K-4)	500	28/04/2011	14.53		Continued.	Boiler Tube Leakage.	30/04/2011

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Apr/2011

Position as on 6.30 Hrs of 29/Apr/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha -Tarapur - I	28/04/2011	08.50	28/04/2011	20.01	Maint.Work. On TBC @ Padgha.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Pench-Mansar	08/04/2011	10.35		Continued.	Replacement of Relay & Control Pannel.up to 30.04.2011.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	29/04/2011	04.14		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 315 MVA ICT - I @ Chakan	28/04/2011	00.18	28/04/2011	05.33	Replacement of 3 No's of Buchholz Relays.
Chandrapur - Khaparkheda	28/04/2011	08.16	28/04/2011	17.21	Ten Delta & C Measurment of C T's.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(6 MonthOutage.)
Borivali-Boisar	03/04/2011	09.48		Continued.	LILo work of 220KV Borivali-Boiser at 220KV Ghodbandar(Up to 29/4/11)
Kalwa - Tifil	15/04/2011	09.42		Continued.	Stringing of 4th ckt. between Mahape S/S and TIFIL LILo Tower.,up to 30.04.2011.
220/132 KV 100 MVA ICT-II @ Parbhani	16/04/2011	11.38		Continued.	Augmentation by 200MVA ICT.
220 KV GIS Bus - II @ Aarey	27/04/2011	07.21		Continued.	GIS Bus-II Extension Work Upto 02.05.11.
Phursungi - Parvati	28/04/2011	08.15	28/04/2011	15.35	Making LILo Arangement on 220KV PRM Line for Jeor S/S.
Chinchwad-Theur	28/04/2011	08.25	28/04/2011	18.05	Making LILo Arangement on 220KV PRM Line for Jeor S/S.
Kandalgaon - Pirangut	28/04/2011	09.00	28/04/2011	18.41	Bus Outage @ Pirangut.
Lonikand -Theur - II	28/04/2011	09.03	28/04/2011	15.16	Q.M.Work.
Pirangut-Hinjewadi	28/04/2011	09.25	28/04/2011	18.30	Bus Outage @ Pirangut.
Main Bus @ Pirngut	28/04/2011	09.25	28/04/2011	18.40	Replacement of B Ph Jump of 220KV Bus Section.
Magarpatta - Sirum	28/04/2011	09.55	28/04/2011	16.56	Q.M.Work.
Wardha - Yawatmal	28/04/2011	10.07	28/04/2011	14.45	Retrofitting of Relays @ Yeotmal.
Lonand - Baramati	28/04/2011	10.10	28/04/2011	13.55	Q.M.Work.
Dhule-Dondaicha-II	28/04/2011	11.17	28/04/2011	17.25	Isolator Aligment Work.
Bus Coupler @ 400KV Bhusawal- II	28/04/2011	14.33		Continued.	For Replacement of Bus-1 & Bus-II Isolators of 220KV Bus Coupler Bay under LES Scheme.
220/132 KV 200 MVA ICT-III @ Phursungi	28/04/2011	14.35	28/04/2011	18.50	Replacement of Oil in OLTC.
220/132KV200MVA ICT IV @Phursungi	28/04/2011	19.06	28/04/2011	22.48	Oil Replacement Work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV 315 MVA ICT - II @ Parli	21/04/2011	23.01	28/04/2011	10.39	To Attend L V Side Main Bkr.Problem.L V Side of ICT Taken on
Voltage Level : 220KV			Outage Type HAND TRIPPED		
BBLSR-Waluj	09/04/2011	10.14		Continued.	To control A'bad ICT Loading.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Apr/2011

Position as on 6.30 Hrs of 29/Apr/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Dhule-Chalisgaon	09/04/2011	15.54		Continued.	H/T to control Dhule ICTs over loading.
Hingoli-Pusad	18/04/2011	13.07		Continued.	To control Wardha-Yavatmal load
Wardha-Abhijeet I	18/04/2011	17.05		Continued.	To control Koradi ICT Load
Wardha-Abhijeet II	25/04/2011	17.04		Continued.	To control Koradi ICT Load
Bale-Murud	26/04/2011	11.41		Continued.	To control Parli ICT Load
Bale-Usmanabad	26/04/2011	11.41		Continued.	To control Parli ICT Load
Khaperkhedha - Wardha.	26/04/2011	13.10		Continued.	To control Koradi ICT Load
Ambazari - Abhijeet	26/04/2011	15.35		Continued.	To Control Koradi ICT Loading.
Chandrapur-Warora - I	27/04/2011	15.35		Continued.	To Control WRR-WRD & WRR-HGHAT Loading.
Chinchwad-Parvati	27/04/2011	23.43	28/04/2011	06:32	Due to outage on 400 KV Chakan ICT-I.
Bhosari - Chakan	28/04/2011	00.18	28/04/2011	05.36	Due to outage on 400 KV Chakan ICT-I.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Supa - Shirur	07/03/2011	15.15		Continued.	To control Lonikand ICT Load
Voltage Level : 400KV			Outage Type TRIPPED		
Parli-Lonikand -I	28/04/2011	16.05	28/04/2011	16.32	Distance Protection Operated R Ph.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100KV 200MVA ICT-III at Kalwa	03/04/2011	16.00		Continued.	Buchholz Trip, Diff. Prot. operated, PRV tripped(Failed).
220/110KV 200MVA ICT-II at Mudshingi	10/04/2011	18.10		Continued.	Differential Protection, Defective B Phase LA replaced(Kept on Humming at 16.30Hrs on 18/4/11)
Karkumbh-Jeur	28/04/2011	13.29	28/04/2011	17.20	Distance Protection.
Lamboti - Karkumb	28/04/2011	13.29	28/04/2011	14.20	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Harangul - Ujani - I	28/04/2011	13.59	28/04/2011	14.33	While Taking 132KV Cpacitor Bank in Service @ Ujani End.
Harangul-Ujani-II	28/04/2011	13.59	28/04/2011	14.25	While Taking 132KV Capacitor Bank in Service @ Ujani End.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 29/Apr/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	120
Unit 6	210	150
Unit 7	210	150
	620	420
Bhusawal		
Unit 2	210	175
Unit 3	210	190
Unit 4	0	0
	420	365
Parli		
Unit 3	210	180
Unit 4	210	155
Unit 5	210	0
Unit 6	250	180
Unit 7	250	170
	1130	685
Chandrapur		
Unit 1	210	165
Unit 2	210	165
Unit 3	210	200
Unit 4	210	170
Unit 5	500	400
Unit 6	500	400
Unit 7	500	440
	2340	1940
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	200
Unit 2	210	200
Unit 3	210	0
Unit 4	210	210
Unit 5	0	0
	840	610
Nasik		
Unit 1	120	0
Unit 2	120	81
Unit 3	210	172
Unit 4	210	192
Unit 5	210	182
	870	627
Uran		
All Units	852	620
	852	620
Dabhol		
RGPP	1940	1400
	1940	1400
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	0

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	0
TILLARI	60	0
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	33
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	143
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	
Khandke	0	
Khaparale	0	
	0	
CPP		
JSW JAIGAD	600	505
WARDHA	405	350
Other CPPs	0	
	1005	855
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	3455	3330
	3455	3330