



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Jul/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/Jul/2011 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	70.680	1224.825	1) Madhya Pradesh	39.376	650.572
2) Hydro	5.598	200.837	2) Gujrat	32.288	306.962
3) Gas	10.606	144.667	3) Goa	-5.983	-80.131
Total MSGENCO	86.884	1570.329	4) TAPS 1&2 (Inj.)	7.881	107.814
B) OTHERS			5) Pench (Excess)	-0.070	-1.109
1) RGPPL Gas	39.391	536.786	# Total Cent. Sector	73.492	984.108
2) Wind Generation	20.838	241.954	F) Other Exchanges		
3) CPP	28.425	431.021	1) With TPCL (Excess)	-13.124	-154.593
4) PENCH (MS)	0.070	1.109	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	12.414	193.381
1) TPCL Thermal	25.826	343.133	Include PX	0.000	7.925
2) TPCL Hydro	4.744	73.712	2) MUMBAI Bilateral	11.406	169.133
TOTAL TPCL	30.570	416.845	Include PX	-4.559	-30.932
3) REL Thermal	6.379	167.407	3) MUMBAI Schedule	12.531	171.170
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	102.885	1735.365	1) MSEDCL	235.976	3610.714
2) Hydro (A2+B3+C2)	10.412	275.658	2) TPCL	33.845	494.087
3) Gas (A3+B1)	49.997	681.453	3) REL	16.224	244.706
4) Wind (B2)	20.838	241.954	TOTAL STATE	286.045	4349.507
5) CPP (B3)	28.425	431.021			
TOTAL STATE	212.557	3365.451			

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	2818	3073	2894
MSGENCO Hydro	317	782	116
MSGENCO Gas	446	454	432
MSGENCO Total Generation	3581	4309	3442
Central Sector Receipt	3514	3980	1954
RGPPL	1649	1627	1649
WIND	829	661	1155
CPP	1196	1075	1288
Exchange with Mumbai	-657	-673	-300
MSEDCL DEMAND MET	10112	10981	9188
Load Shedding (LS)	33	29	33
MSEDCL DEMAND (INCL. LS)	10145	11010	9221
TPCL GENERATION	1623	1428	945
REL GENERATION	259	261	257
TPCL+REL DEMAND	2539	2362	1502
STATE DEMAND MET	12651	13343	10690
Load Management (LM)	1471	2911	1312
Total Load Relief (LS+LM)	1504	2940	1345
UNRESTRICTED STATE DEMAND	14155	16283	12035
Frequency (Hz)	49.95	49.76	49.93

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.28 Hz at 16.02 Hrs	49.4 Hz at 20.17 Hrs	49.89	0 % 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 14/Jul/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.44	52.64	155	130	145
Unit 6	3.08	51.34	150	110	138
Unit 7	3.37	48.23	155	130	140
	9.89	152.21			423
Bhusawal					
Unit 2	1.62	32.26	170	0	0
Unit 3	4.14	25.52	185	150	180
Unit 4	0.00	0.00	0	0	0
	5.76	57.78			180
Parli					
Unit 3	0.00	32.15	0	0	0
Unit 4	0.00	23.53	0	0	0
Unit 5	1.68	36.70	115	0	110
Unit 6	0.00	0.00	0	0	0
Unit 7	3.45	30.98	173	87	182
	5.13	123.36			292
Chandrapur					
Unit 1	2.50	44.02	110	94	120
Unit 2	0.00	39.82	0	0	0
Unit 3	2.94	55.84	156	85	140
Unit 4	3.00	54.93	153	82	150
Unit 5	7.90	125.50	395	275	400
Unit 6	0.00	95.70	0	0	0
Unit 7	0.00	0.00	0	0	0
	16.34	415.81			810
Paras					
Unit 3	2.10	52.98	93	82	90
Unit 4	4.68	56.15	206	167	200
	6.77	109.13			290
Khaparkheda					
Unit 1	4.45	60.34	205	145	140
Unit 2	4.11	59.32	193	150	163
Unit 3	4.04	65.02	213	146	157
Unit 4	5.21	67.80	223	206	202
Unit 5	0.00	0.00	0	0	0
	17.81	252.49			662
Nasik					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	3.40	40.29	170	125	120
Unit 4	2.04	30.62	170	0	50
Unit 5	3.53	43.13	160	134	140
	8.97	114.04			310
Uran					
All Units	10.61	144.67	454	406	420
	10.61	144.67			420
Dabhol					
RGPPL	39.39	536.79	1660	1617	1590
	39.39	536.79			1590
Koyna					
Stage 1-2	1.27	52.72	170	40	530
Stage 4	0.12	66.34	116	0	250
Stage 3	0.81	33.79	320	0	320
	2.20	152.85			1100
Kovna 12&4 Total	1.39	119.06			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.17	11.19	61	0	0
TILLARI	0.25	4.89	60	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.50	6.44	82	0	80
RNGR+BHTSA	0.03	2.19	2	1	0
BHANDARDRA	0.68	5.36	29	28	30
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.94	10.06	47	36	9
GHATGHAR	0.82	7.84	250	0	0
	3.40	47.99			179
PENCH (MS)					
Pench (MS)	0.07	1.11	24	0	0
	0.07	1.11			0
Wind					
MalharPeth	1.11	9.38			
Vankuswadi	2.10	21.10			
ATIT	1.05	6.79			
Kale	0.68	6.38			
Satara	1.66	17.25			
Shirala	0.90	7.40			
K Mahankal	0.69	13.82			
Supa	0.22	2.80			
Vita	4.11	35.76			
Dondaicha	5.00	76.66			
Sakri	0.64	10.89			
Nandurbar	0.58	7.98			
Khandke	1.16	14.15			
Khaparale	0.94	11.58			
	20.84	241.95			
CPP					
JSW JAIGAD	15.60	253.76	736	535	805
WARDHA	8.46	105.33	389	277	300
Other CPPs	4.38	71.93			
	28.42	431.02			1105
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.95	133.37	490	400	490
Trombay 6	5.81	84.76	400	150	500
Trombay 7A	2.89	39.59	122	118	120
Trombay 7B	1.58	21.93	66	65	60
Trombay 8	4.60	63.48	230	150	230
TATA Hydro	4.74	73.71	387	0	447
	30.57	416.84			1847
REL					
1&2	6.38	167.41	381	257	250
	6.38	167.41			250
Cent Sect					
Share					3530
					3530

MS PG CL	Thermal	70.68	1224.82			2967
	Thml+Gas	81.29	1369.49			3387
	Hydro	5.60	200.84			1279
	Total	86.88	1570.33			4666
State Total		212.56	3365.45			12988

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/Jul/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	2864	111	432	3407	1627	816	1206	3012	2834	-481	-484	9406	1772	9439	1783	12961	49.64
2	2878	111	432	3421	1632	999	1246	2915	2592	-454	-426	9464	1672	9497	1633	12769	49.78
3	2876	111	433	3420	1637	1112	1285	2883	2368	-412	-348	9474	1359	9507	1556	12389	49.91
4	2894	116	432	3442	1649	1155	1288	2863	1954	-390	-300	9188	1345	9221	1502	12035	49.93
5	2894	106	439	3439	1653	1216	1271	2858	1957	-385	-288	9248	1377	9281	1491	12116	49.89
6	2934	106	443	3483	1654	1138	1276	2868	2466	-396	-353	9664	1466	9697	1581	12711	49.92
7	3007	111	450	3568	1657	1082	1285	2933	2865	-449	-494	9963	1466	9996	1656	13085	50.01
8	2944	150	451	3545	1660	914	1294	2969	3109	-486	-565	9957	1472	9990	1780	13209	50.01
9	2937	182	450	3569	1653	995	1307	3116	3308	-481	-595	10237	1472	10270	2027	13736	49.93
10	2842	311	437	3590	1641	823	1256	3250	3181	-502	-568	9923	1483	9956	2323	13729	49.75
11	2818	317	446	3581	1649	829	1196	3390	3514	-549	-657	10112	1504	10145	2539	14155	49.95
12	2781	212	443	3436	1643	732	1202	3397	3325	-592	-642	9696	1491	9729	2597	13784	49.82
13	2843	114	442	3399	1641	744	1195	3387	3075	-581	-633	9421	1494	9454	2528	13443	49.97
14	2847	111	449	3407	1639	724	1158	3356	3100	-560	-600	9428	1494	9461	2436	13358	49.97
15	2941	107	437	3485	1644	767	1090	3211	3004	-560	-586	9404	1494	9437	2406	13304	49.88
16	2909	107	448	3464	1650	809	1084	3143	3130	-570	-558	9579	1530	9612	2405	13514	49.97
17	2879	117	443	3439	1656	864	1096	3111	3238	-533	-582	9711	1945	9740	2375	14031	50.01
18	2969	134	452	3555	1649	713	1062	3163	3274	-513	-575	9678	2101	9707	2360	14139	50.02
19	3022	298	454	3774	1643	694	1061	3332	3438	-551	-598	10012	2727	10041	2357	15096	49.97
20	3073	782	454	4309	1627	661	1075	3493	3980	-604	-673	10981	2940	11010	2362	16283	49.76
21	3053	988	445	4486	1617	665	1096	3540	3770	-629	-663	10995	2949	11024	2327	16271	49.65
22	3132	604	434	4170	1624	822	1113	3555	3569	-644	-676	10646	2949	10675	2172	15767	49.84
23	3165	175	406	3746	1621	791	1135	3403	3291	-604	-647	9957	2949	9986	2029	14935	49.88
24	3178	117	454	3749	1625	773	1148	3281	3150	-604	-613	9832	2701	9861	1848	14381	49.97
MUs	70.68	5.60	10.61	86.88	39.39	20.84	28.42	76.43	73.49	-12.53	-13.12	235.98	45.15	236.74	50.07	331.20	49.89

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 14/Jul/2011

Position as on 6.30 Hrs of 15/Jul/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Dabhol 1A	230	20/05/2011	13.22		Continued.	Rotor replacement.	22/07/2011
Parli Unit 6	250	16/06/2011	05.50		Continued.	Annual Overhaul	15/07/2011
Chandrapur Unit 7	500	29/06/2011	21:40		Continued.	COH	16/08/2011
Koyna Unit 4	75	07/07/2011	11:20		Continued.	Runner Replacement Work.	17/07/2011
Parli Unit 3	210	13/07/2011	07.15		Continued.	Coal mill problem.	17/07/2011
CPP WPCL U-2	135	14/07/2011	18:40		Continued.	Maintenance work.	25/07/2011
Tata Trombay 8	250	15/07/2011	01:45		Continued.	AOH	08/08/2011
FORCED OUTAGE							
Uran Unit 8	108	06/06/2011	23.12		Continued.	Bus Bar Protection operated,as Y-Ph BKR pole of Uran U-5 burst.	10/08/2011
Parli Unit 4	210	09/07/2011	13.10		Continued.	Low Condenser Vacuum.	17/07/2011
Nasik Unit 4	210	10/07/2011	11.30	14/07/2011	02.40	Withdrawn due to wet coal.	
Bhusawal Unit 2	210	11/07/2011	16.32	14/07/2011	11:30	BLR T/L.	
Chandrapur Unit 6	500	12/07/2011	17.24		Continued.	Boiler Tube Leakage.	15/07/2011
Koyna ST - IV 3	250	13/07/2011	09.35	14/07/2011	20:00	Tripped due to DCS system problem.	
Koyna ST - IV 4	250	13/07/2011	09.35		Continued.	Tripped due to DCS system problem.	15/07/2011
Chandrapur Unit 2	210	13/07/2011	23.06		Continued.	Furnace pressure high.	15/07/2011
REL 1	250	14/07/2011	01.00		Continued.	Boiler Tube Leakage.	16/07/2011
Parli Unit 5	210	14/07/2011	16:18		Continued.	Wet Coal.	16/07/2011

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Jul/2011

Position as on 6.30 Hrs of 15/Jul/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	06/07/2011	18.07		Continued.	Over Voltage.
Wardha - Akola - I	06/07/2011	18.16		Continued.	Over Voltage.
Akola - Aurangabad - I	08/07/2011	20.31		Continued.	Over Voltage.
Dhule - S'Sarovar- II	13/07/2011	00.41		Continued.	Over Voltage.
Dhule-S'Sarovar I	13/07/2011	23.25	14/07/2011	09:01	Over Voltage.
Dhule-Sar'Sarovar - I	14/07/2011	23:18		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Wardha - Akola - II	09/07/2011	00.03		Continued.	Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
Chandrapur-Padaghe Pole - II	14/07/2011	09:30	14/07/2011	14:02	Convertor T/F MCB Replacement.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 315 MVA ICT-II @ Chakan	14/07/2011	07:17	14/07/2011	14:47	Fire Protection Testing work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(8 MonthOutage)
220/132KV,100 MVA ICT-III at Girwali.	21/06/2011	10.44		Continued.	Augmentation of ICT by new 200 MVA ICT.upto 30.07.2011
Karad-Oglewadi-I	12/07/2011	06.57	14/07/2011	16:05	Erection of D/C tower for shifting of 220KV ICT bay.
Karad-Sada Waghapur	14/07/2011	07:50	14/07/2011	14:05	400 KV Jaigad-Karad line crossing work.
Karad-M'peth	14/07/2011	07:54	14/07/2011	14:19	400 KV Jaigad-Karad line crossing work.
Karad-Pophali	14/07/2011	08:05	14/07/2011	14:33	400 KV Jaigad-Karad line crossing work.
Jejuri-Jejuri I	14/07/2011	10:12	14/07/2011	18:12	Q. M. and Testing work.
220/132 KV 200 MVA ICT - I @ Nanded	14/07/2011	10:33	14/07/2011	13:02	Q. M. work.
Jejuri-Jejuri-II	14/07/2011	10:35	14/07/2011	14:15	Q. M. and Testing work.
Bus Section at Magerpatta	14/07/2011	11:00	14/07/2011	17:20	Maint. work.
C'pur-Sicom-II	14/07/2011	13:16	14/07/2011	20:10	Relay Testing Work.
Hingoli-Parbhani	14/07/2011	14:40	14/07/2011	16:27	Attending Hot Spot on R phase wave trap at Hingoli S/S.
220/132 KV,200 MVA ICT-II At Chalisgaon	14/07/2011	16:16	14/07/2011	17:36	Dismantling of CT to Transfer Bus Jumpers.
220/33KV 100MVA T/F- I at Versova	14/07/2011	18:39	14/07/2011	20:36	To Inspect Buchhols Alarm.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Chinchwad-Chakan	14/07/2011	08:15	14/07/2011	17:05	Maint. work.
132 KV Bus at Purna	14/07/2011	09:49	14/07/2011	12:45	Q. M. Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	06/07/2011	17.59		Continued.	Over Voltage.
Karad - Kolhapur - II	13/07/2011	17.34		Continued.	Over Voltage
Lonikand- Koyna Stage IV	13/07/2011	22.54	14/07/2011	08:53	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Jul/2011

Position as on 6.30 Hrs of 15/Jul/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Lonikand- Koyna Stage IV	14/07/2011	21:24	15/07/2011	07.40	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Bus Coupler @ WPCL	07/06/2011	17.22		Continued.	As being normally kept open.
Phursungi - Theur	02/07/2011	19.30		Continued.	To Control Loading.
Chandrapur - Warora	03/07/2011	21.47		Continued.	To Control Wrr-Wrd & Wrr-Hgkat Loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV 105 MVA Spare ICT at Parly II	22/04/2011	13.50		Continued.	To Remove Trip Coil Assembaly for Bus Coupler.
Lonikand-Karad	15/07/2011	05:53	15/07/2011	06.40	Distance Protection.
Dabhol-Nagothane - II	15/07/2011	06:06	15/07/2011	07.30	Distance Protection.
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).
220/100KV 125 MVA ICT-I @ Kalwa	19/06/2011	13.45		Continued.	Buchholz Augmentation by 200 MVA.Expected in Sept.2011.
220/33 KV 100 MVA T/F - I at Aarey	14/07/2011	11:33	14/07/2011	16:04	Differentionl Protn.
Abhijeet - Wardha ckt - II	14/07/2011	16:01	14/07/2011	16:16	Distance Protection Operated Zone - I B phase. E/F.
Walve - Gangapur	15/07/2011	04:58		Continued.	Dist. Protn.
Sahara-Urse	15/07/2011	05:42	15/07/2011	06:13	Dist. Protn.
Voltage Level : 132KV			Outage Type TRIPPED		
Giravali-Gangakhed	14/07/2011	18:57	14/07/2011	19:14	Distance Protection Operated Zone - I R phase to Earth. Dist - 27.43 KMS.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/Jul/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	155
Unit 6	210	155
Unit 7	210	160
	620	470
Bhusawal		
Unit 2	210	170
Unit 3	210	180
Unit 4	0	
	420	350
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	150
	1130	150
Chandrapur		
Unit 1	210	140
Unit 2	210	0
Unit 3	210	150
Unit 4	210	150
Unit 5	500	350
Unit 6	500	0
Unit 7	500	0
	2340	790
Paras		
Unit 3	250	90
Unit 4	250	200
	500	290
Khaparkheda		
Unit 1	210	180
Unit 2	210	190
Unit 3	210	210
Unit 4	210	200
Unit 5	0	
	840	780
Nasik		
Unit 1	120	
Unit 2	120	
Unit 3	210	162
Unit 4	210	142
Unit 5	210	142
	870	446
Uran		
All Units	852	420
	852	420
Dabhol		
RGPP	1940	1570
	1940	1570
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	320
	1920	1100
Hydro		
KDPH	40	0

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	2
BHANDARDRA	45	20
ELDARY	23	0
SMLHY PTN	12	18
GHATGHAR	250	0
	611	180
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	
Khandke	0	
Khaparale	0	
	0	
CPP		
JSW JAIGAD	600	635
WARDHA	405	300
Other CPPs	0	
	1005	935
Tata		
Trombay 4	150	0
Trombay 5	500	490
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1617
REL		
1&2	500	250
	500	250
Cent Sect		
Share	3455	3338
	3455	3338