



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

State Load Dispatch Center, Airoli

Daily system Report

for

16/Jul/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 16/Jul/2011 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	76.233	1378.152	1) Madhya Pradesh	54.565	755.019
2) Hydro	9.942	216.380	2) Gujrat	27.799	364.278
3) Gas	7.029	160.310	3) Goa	-5.667	-91.730
Total MSGENCO	93.204	1754.842	4) TAPS 1&2 (Inj.)	7.864	123.566
B) OTHERS			5) Pench (Excess)	-0.071	-1.251
1) RGPPL Gas	38.917	614.802	# Total Cent. Sector	84.490	1149.882
2) Wind Generation	13.351	269.647	F) Other Exchanges		
3) CPP	26.301	484.108	1) With TPCL (Excess)	-8.349	-176.211
4) PENCH (MS)	0.071	1.251	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	11.374	214.258
1) TPCL Thermal	23.406	390.333	Include PX	0.000	7.925
2) TPCL Hydro	5.904	85.749	2) MUMBAI Bilateral	10.414	192.623
TOTAL TPCL	29.310	476.082	Include PX	-3.463	-35.773
3) REL Thermal	12.417	187.927	3) MUMBAI Schedule	10.414	194.661
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	112.056	1956.412	1) MSEDCL	247.985	4098.321
2) Hydro (A2+B3+C2)	15.917	303.380	2) TPCL	33.424	562.106
3) Gas (A3+B1)	45.946	775.112	3) REL	16.651	278.058
4) Wind (B2)	13.351	269.647	TOTAL STATE	298.060	4938.485
5) CPP (B3)	26.301	484.108			
TOTAL STATE	213.571	3788.659			

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	3126	3297	3078
MSGENCO Hydro	1063	728	112
MSGENCO Gas	291	290	297
MSGENCO Total Generation	4480	4315	3487
Central Sector Receipt	3561	4189	2960
RGPPL	1619	1613	1632
WIND	582	653	558
CPP	1121	1088	1044
Exchange with Mumbai	-536	-415	-170
MSEDCL DEMAND MET	10827	11443	9511
Load Shedding (LS)	38	34	38
MSEDCL DEMAND (INCL. LS)	10865	11477	9549
TPCL GENERATION	1569	1457	826
REL GENERATION	522	524	490
TPCL+REL DEMAND	2627	2396	1486
STATE DEMAND MET	13454	13839	10997
Load Management (LM)	1128	2280	1121
Total Load Relief (LS+LM)	1166	2314	1159
UNRESTRICTED STATE DEMAND	14620	16153	12156
Frequency (Hz)	49.75	49.83	50.08

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 18.02 Hrs	49.29 Hz at 20.10 Hrs	49.91	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 16/Jul/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.06	59.02	147	80	140
Unit 6	3.18	58.30	157	100	130
Unit 7	3.43	55.64	165	110	140
	9.67	172.96			410
Bhusawal					
Unit 2	3.92	39.32	175	150	170
Unit 3	3.62	33.09	180	115	180
Unit 4	0.00	0.00	0	0	
	7.54	72.41			350
Parli					
Unit 3	0.00	32.15	0	0	0
Unit 4	0.00	23.53	0	0	0
Unit 5	0.00	36.70	0	0	0
Unit 6	0.00	0.00	0	0	0
Unit 7	3.97	37.78	206	102	170
	3.97	130.16			170
Chandrapur					
Unit 1	3.10	50.21	140	120	130
Unit 2	2.67	43.10	138	89	100
Unit 3	3.68	63.30	180	136	150
Unit 4	3.83	62.67	168	145	150
Unit 5	7.93	141.70	370	290	350
Unit 6	0.00	95.70	0	0	0
Unit 7	0.00	0.00	0	0	0
	21.21	456.69			880
Paras					
Unit 3	2.88	58.60	166	73	80
Unit 4	3.00	63.82	190	62	180
	5.88	122.41			260
Khaparkheda					
Unit 1	4.11	68.54	185	140	180
Unit 2	3.43	66.88	191	0	150
Unit 3	4.63	74.43	220	163	190
Unit 4	4.78	77.67	221	159	210
Unit 5	0.00	0.00	0	0	
	16.95	287.52			730
Nasik					
Unit 1	0.00	0.00	0	0	
Unit 2	0.00	0.00	0	0	
Unit 3	3.50	47.64	185	120	152
Unit 4	4.17	38.56	191	158	142
Unit 5	3.34	49.80	166	103	152
	11.00	135.99			446
Uran					
All Units	7.03	160.31	300	278	280
	7.03	160.31			280
Dabhol					
RGPPL	38.92	614.80	1635	1604	1590
	38.92	614.80			1590
Koyna					
Stage 1-2	2.08	55.90	355	35	530
Stage 4	0.97	67.34	271	0	250
Stage 3	2.05	36.70	240	0	320
	5.10	159.94			1100
Kovna 12&4 Total	3.05	123.24			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	11.19	0	0	0
TILLARI	0.39	5.54	60	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.49	7.41	82	0	80
RNGR+BHTSA	0.05	2.29	2	2	2
BHANDARDRA	0.72	6.80	30	30	30
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.02	12.08	50	40	0
GHATGHAR	2.17	11.14	250	0	
	4.85	56.44			172
PENCH (MS)					
Pench (MS)	0.07	1.25	24	0	
	0.07	1.25			
Wind					
MalharPeth	0.86	10.96			
Vankuswadi	1.72	24.20			
ATIT	0.84	8.35			
Kale	0.67	7.63			
Satara	1.19	19.58			
Shirala	0.67	8.65			
K Mahankal	0.54	14.93			
Supa	0.11	3.06			
Vita	3.11	42.04			
Dondaicha	1.54	81.08			
Sakri	0.94	12.38			
Nandurbar	0.21	8.60			
Khandke	0.77	15.95			
Khaparale	0.17	12.23			
	13.35	269.65			
CPP					
JSW JAIGAD	15.66	284.98	670	596	635
WARDHA	5.91	117.75	275	196	260
Other CPPs	4.73	81.38			
	26.30	484.11			895
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.66	156.52	490	450	490
Trombay 6	7.34	99.66	510	150	500
Trombay 7A	2.84	45.32	121	116	120
Trombay 7B	1.56	25.08	67	63	60
Trombay 8	0.00	63.76	0	0	0
TATA Hydro	5.90	85.75	387	0	447
	29.31	476.08			1617
REL					
1&2	12.42	187.93	526	467	500
	12.42	187.93			500
Cent Sect					
Share					3412
					3412

MS PG CL	Thermal	76.23	1378.15			3246
	Thml+Gas	83.26	1538.46			3526
	Hydro	9.94	216.38			1272
	Total	93.20	1754.84			4798
State Total		213.57	3788.66			12812

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/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	3053	117	296	3466	1621	630	1144	3105	3328	-394	-255	9934	1297	9972	1700	12931	50.00
2	3035	117	296	3448	1621	583	1130	2895	3066	-303	-205	9643	1205	9681	1559	12407	49.98
3	3076	112	298	3486	1633	536	1049	3094	2936	-361	-167	9473	1195	9511	1517	12185	50.07
4	3078	112	297	3487	1632	558	1044	3128	2960	-397	-170	9511	1159	9549	1486	12156	50.08
5	3165	117	299	3581	1631	498	1036	3128	3083	-397	-179	9650	1164	9688	1471	12285	49.98
6	3296	117	300	3713	1629	408	1040	3199	3408	-397	-243	9955	1247	9993	1516	12718	49.93
7	3234	247	292	3773	1626	401	1056	3066	3546	-292	-251	10151	1244	10189	1614	13009	49.90
8	3163	332	297	3792	1635	393	1089	3031	3782	-324	-299	10392	1244	10430	1730	13366	50.05
9	3019	426	293	3738	1632	347	1114	3023	4022	-356	-323	10530	1244	10568	2001	13775	49.97
10	3044	672	294	4010	1631	519	1113	3220	3640	-409	-386	10527	1207	10565	2329	14063	49.93
11	3029	873	295	4197	1625	453	1114	3442	3437	-520	-493	10333	1186	10371	2564	14083	49.80
12	3126	1063	291	4480	1619	582	1121	3491	3561	-552	-536	10827	1166	10865	2627	14620	49.75
13	3225	588	296	4109	1621	599	1128	3469	3457	-536	-512	10402	1165	10440	2593	14160	49.84
14	3250	391	282	3923	1621	610	1133	3426	3509	-493	-403	10393	1165	10431	2461	14019	49.92
15	3225	242	298	3765	1619	661	1127	3254	3616	-425	-387	10401	1171	10439	2445	14017	49.90
16	3248	270	294	3812	1612	657	1135	3127	3522	-420	-302	10436	1189	10474	2386	14011	49.79
17	3137	242	289	3668	1614	605	1125	3122	3736	-415	-326	10422	1231	10456	2362	14015	49.87
18	3161	185	290	3636	1621	669	1079	3187	3755	-424	-324	10436	1387	10470	2335	14158	50.11
19	3258	299	290	3847	1619	621	1095	3272	3627	-469	-345	10464	2074	10498	2325	14863	49.96
20	3297	728	290	4315	1613	653	1088	3430	4189	-517	-415	11443	2314	11477	2396	16153	49.83
21	3283	1115	278	4676	1604	539	1095	3430	3664	-517	-481	11120	2329	11154	2391	15840	49.72
22	3254	917	292	4463	1612	684	1062	3430	3565	-517	-468	10941	2329	10975	2239	15509	49.83
23	3281	393	288	3962	1610	583	1088	3317	3711	-517	-455	10523	2329	10557	2090	14942	49.80
24	3296	267	294	3857	1616	562	1096	3144	3370	-463	-424	10078	2098	10112	1939	14115	49.82
MUs	76.23	9.94	7.03	93.20	38.92	13.35	26.30	77.43	84.49	-10.41	-8.35	247.98	35.34	248.86	50.08	333.40	49.91

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 16/Jul/2011

Position as on 6.30 Hrs of 17/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	20/07/2011
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.	22/07/2011
Parli Unit 3	210	13/07/2011	07.15		Continued.	Coal mill problem.	20/07/2011
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	17/07/2011	17.20	Low Condenser Vacuum.	
Chandrapur Unit 6	500	12/07/2011	17.24		Continued.	Boiler Tube Leakage.	19/07/2011
Koyna ST - IV 4	250	13/07/2011	09.35	16/07/2011	00.01	Tripped due to DCS system problem.	
Parli Unit 5	210	14/07/2011	16:18	16/07/2011	23.35	Wet Coal.	
Uran Unit 5	108	15/07/2011	10.40		Continued.	Turbine Blade Replacement.	10/08/2011
Khaparkheda Unit 2	210	15/07/2011	23.13	16/07/2011	04.02	Stator Water Conductivity Problem.	
Uran Unit 6	108	17/07/2011	11.52		Continued.	Stator earth fault.	
Uran Unit A0	120	17/07/2011	11.52		Continued.	Stator earth fault.	
Nasik Unit 4	210	17/07/2011	12.24	17/07/2011	14.00	High Drum Level.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Jul/2011

Position as on 6.30 Hrs of 17/Jul/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	06/07/2011	18.07	16/07/2011	10.56	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-Sar'Sarovar - I	14/07/2011	23:18	16/07/2011	09.01	Over Voltage.
Karad - Solapur (PGCIL)	15/07/2011	23.17	16/07/2011	09.00	Over Voltage.
Dhule-Sar'Sarovar - II	15/07/2011	23.37		Continued.	Over Voltage.
Kolhapur - Mapusa - I	16/07/2011	17.33		Continued.	Over Voltage.
Karad - Solapur (PGCIL)	16/07/2011	22:53	17/07/2011	08.56	Over Voltage.
Dhule-Sar'Sarovar - I	17/07/2011	18.11		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Wardha - Akola - II	09/07/2011	00.03		Continued.	Over Voltage.
Solapur - Solapur (PG)	16/07/2011	22.53	16/07/2011	23.33	Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
Chandrapur - Padgha Pole -I	17/07/2011	07.38	17/07/2011	14.20	To Attend Oil Leakage on Y Ph Converter T/F.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV ICT- I @ Babaleshwar	16/07/2011	11.46	16/07/2011	20.54	Replacement of Differencial Relay.
Kalwa - Padgha - I	16/07/2011	23:21	17/07/2011	00:29	Replacement of Differencial.
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
Koradi-Butibori	15/07/2011	10.37		Continued.	Control Panel Shifting Work.
Karad-M'peth	16/07/2011	07.45	16/07/2011	15.15	Crossing of 400KV Jaigad-Karad D/C Line Stringing Work.
Karad-Pophali	16/07/2011	07.50	16/07/2011	15.13	Crossing of 400KV Jaigad-Karad D/C Line Stringing Work.
Karad-Sada Waghapur	16/07/2011	08.17	16/07/2011	15.06	Crossing of 400KV Jaigad-Karad D/C Line Stringing Work.
220/132KV 200MVA ICT-II at BBLSR	16/07/2011	09.20	16/07/2011	12.55	Replacement of L A.
Dondaicha - Shahada	16/07/2011	09.20	16/07/2011	18.14	Measurment of Tan Delta & Q.M.Work.
Chalisgaon-Bhusawal	16/07/2011	10.00	16/07/2011	18.10	Erection of New Auxiliary Bus Isolator Under LES.
220/132 KV 200 MVA ICT - V @ Nasik (OCR) New	16/07/2011	10.27	16/07/2011	13.17	Q.M.Work.
Virur - Gadhchiroli	16/07/2011	10.30	16/07/2011	13.47	Replacement of Faulty Disc Insulator of R Ph @ Loc No.23,25 & 26.
Bus coupler at Babhaleshwar	16/07/2011	11.27	16/07/2011	21.00	Outage on Bblsr ICT-I.
220/132 KV 200 MVA ICT - I @ Babaleshwar	16/07/2011	13.05	16/07/2011	15.15	Q.M.Work.
220/132 KV,200 MVA ICT-II At Chalisgaon	17/07/2011	12.06	17/07/2011	13.10	For Reconnecting the CT TO Auxiliary Jumpers of ICT-II After Isolator Replacement Under LES.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Jul/2011

Position as on 6.30 Hrs of 17/Jul/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/132KV 100MVA ICT-II at Ranjangaon	16/07/2011	09.30	16/07/2011	17:32	Hissing Noise.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	06/07/2011	17.59	17/07/2011	10.55	Over Voltage.
Karad - Kolhapur - II	13/07/2011	17.34		Continued.	Over Voltage
Lonikand- Koyna Stage IV	16/07/2011	22.53	17/07/2011	09.17	Over Voltage.
Bhusawal- Aurangabad	17/07/2011	18.20		Continued.	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.
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.
Girivali - Parli - III	15/07/2011	21.31	16/07/2011	13.48	R PH.L A Burst.
Bale-Murud	16/07/2011	02.45	16/07/2011	14.37	B Ph. L A Burst.
Virur - Gadhchiroli	16/07/2011	20.31	16/07/2011	20.52	Dist.Prot.Operated R Ph. Zone-I.
Kharepatan-Pawas	17/07/2011	12.34	17/07/2011	12.48	Back up Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Chandurbazar - Achalpur	16/07/2011	14.10	16/07/2011	14.18	Distance Protection Operated Zone-I.
Kawalewada-Gondia-I	16/07/2011	20.03	16/07/2011	20.28	B/C,DIR O/C.
Kawlewada-Gondia-II	16/07/2011	20.03	16/07/2011	20.30	B/C,DIR O/C.
Amravati - Achalpur	16/07/2011	20.39	16/07/2011	21.02	C B Lock Out(Ckt is Charged Through TBC)

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 17/Jul/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	150
Unit 6	210	165
Unit 7	210	190
	620	505
Bhusawal		
Unit 2	210	180
Unit 3	210	170
Unit 4	0	
	420	350
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	110
Unit 6	250	0
Unit 7	250	125
	1130	235
Chandrapur		
Unit 1	210	140
Unit 2	210	120
Unit 3	210	180
Unit 4	210	170
Unit 5	500	350
Unit 6	500	0
Unit 7	500	0
	2340	960
Paras		
Unit 3	250	150
Unit 4	250	170
	500	320
Khaparkheda		
Unit 1	210	157
Unit 2	210	178
Unit 3	210	213
Unit 4	210	212
Unit 5	0	0
	840	760
Nasik		
Unit 1	120	
Unit 2	120	
Unit 3	210	140
Unit 4	210	160
Unit 5	210	120
	870	420
Uran		
All Units	852	280
	852	280
Dabhol		
RGPP	1940	1590
	1940	1590
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	1
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	181
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	280
Other CPPs	0	
	1005	915
Tata		
Trombay 4	150	0
Trombay 5	500	490
Trombay 6	500	250
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1367
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3463
	3455	3463