



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

State Load Dispatch Center, Airoli

Daily system Report

for

11/Jul/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 11/Jul/2013 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	77.960	882.849	1) Gujrat	15.009	155.803
2) Hydro	4.564	64.312	2) Madhya Pradesh	14.805	188.434
3) Gas	10.452	112.136	3) Chattisgarh	5.940	72.880
Total MSGENCO	92.976	1059.297	4) Maharashtra	53.541	614.837
B) 1) JSW JAIGAD	22.108	212.527	5) Goa	-5.319	-52.414
2) WPCL	8.257	87.230	6) TAPS 1&2 Injection	3.299	34.132
3) ADANI	25.300	260.350	7) RGPPL Injection	5.928	72.325
4) Other CPP / IPP	11.617	93.031	8) Pench (Excess)	-0.258	-2.227
5) Wind Generation	21.381	261.342	# Total Cent. Sector	92.945	1083.770
6) PENCH (MS)	0.258	2.227	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-18.012	-186.445
1) TPCL Thermal	20.880	251.203	G) Bilateral Power *		
2) TPCL Hydro	4.680	49.547	1) MSEDCL Bilateral	48.134	416.504
TOTAL TPCL	25.560	300.750	Include PX	-0.942	-11.934
3) REL Thermal	10.944	124.725	2) MUMBAI Bilateral	13.936	154.873
D) STATE			Include PX	0.763	25.063
1) Thermal (A1+C1+C3)	109.784	1258.777	3) MUMBAI Schedule	13.936	154.873
2) Hydro (A2+B5+C2)	9.502	116.086	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.452	112.136	1) MSEDCL	256.830	2873.329
4) Wind (B4)	21.381	261.342	2) TPCL	35.885	401.620
5) CPP (B1+B2+B3)	67.282	418.088	3) REL	18.636	210.293
TOTAL STATE	218.401	2166.429	TOTAL STATE	311.351	3485.242

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3141	3297	3149
MSGENCO Hydro	340	446	66
MSGENCO Gas	450	438	452
MSGENCO Total Generation	3931	4181	3667
Central Sector Receipt	4382	4077	3221
WIND	702	942	1035
CPP / IPP	2988	2958	2502
Exchange with Mumbai	-704	-795	-359
MSEDCL DEMAND MET	11299	11389	10066
Load Shedding	55	55	54
MSEDCL DEMAND	11354	11444	10120
TPCL GENERATION	1393	1226	843
R-INFRA GENERATION	525	525	392
TPCL+R-INFRA DEMAND	2622	2546	1594
STATE DEMAND MET	13921	13935	11660
STATE DEMAND	13976	13990	11714
Frequency (Hz)	50.04	49.94	50.05

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.52 Hz at 23.02 Hrs	49.7 Hz at 19.40 Hrs	50.05	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 11/Jul/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	20.25	0	0	0
Unit 6	3.26	32.28	150	117	150
Unit 7	3.78	7.68	170	120	170
Total	7.05	60.20			320
Bhusawal					
Unit 2	2.54	36.45	150	0	120
Unit 3	3.23	35.94	145	115	155
Unit 4	7.70	59.74	360	275	295
Unit 5	0.00	12.40	0	0	
Total	13.48	144.53			570
Parli					
Unit 3	0.00	0.00	0	0	
Unit 4	0.00	0.00	0	0	
Unit 5	0.00	0.00	0	0	
Unit 6	0.00	0.00	0	0	
Unit 7	0.00	0.00	0	0	
Total	0.00	0.00			
Chandrapur					
Unit 1	3.55	38.04	155	141	160
Unit 2	3.64	39.00	157	130	160
Unit 3	1.35	19.12	165	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	5.75	57.86	270	210	270
Unit 6	6.30	54.25	290	220	280
Unit 7	5.47	61.48	245	215	250
Total	26.06	269.75			1120
Paras					
Unit 3	3.73	43.81	186	141	152
Unit 4	4.12	48.32	197	148	152
Total	7.85	92.14			304
Khaparkheda					
Unit 1	3.11	31.01	160	75	160
Unit 2	3.27	29.54	175	115	160
Unit 3	3.85	29.26	186	127	180
Unit 4	3.77	44.64	168	135	180
Unit 5	5.52	76.14	265	205	350
Total	19.52	210.58			1030
Nasik					
Unit 3	4.01	45.70	175	160	195
Unit 4	0.00	25.26	0	0	0
Unit 5	0.00	34.69	0	0	0
Total	4.01	105.65			195
Uran					
All Units	10.45	112.14	453	375	440
Total	10.45	112.14			440
PENCH (MS)					
Pench (MS)	0.26	2.23	27	0	
Total	0.26	2.23			
Koyna					
Stage 1-2	1.28	19.18	150	40	600
Stage 4	0.00	6.39	0	0	250
Stage 3	1.26	14.62	160	0	240
Kovna 12&4 Total	1.28	25.57			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.54	40.20			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.74	0	0	0
TILLARI	0.17	2.34	60	0	60
BHTGR/VEER	0.07	0.64	3	3	4
BHIRA T.R.	0.52	5.02	82	0	80
RNGR+BHTSA	0.00	0.06	0	0	
BHANDARDRA	0.00	0.97	0	0	32
ELDARY	0.00	0.00	0	0	
SMLHY PTN	0.43	3.98	18	18	
GHATGHAR	0.84	10.37	250	0	
Total	2.03	24.12			176
Wind					
MalharPeth	2.15	13.56			
Vankuswadi	1.90	20.48			
ATIT	1.46	5.01			
Kale	0.75	7.44			
Satara	1.24	69.03			
Shirala	1.10	7.32			
K Mahankal	1.86	4.32			
Supa	0.16	3.08			
Vita	2.73	32.66			
Dondaicha	4.72	60.86			
Sakri	0.75	9.95			
Nandurbar	0.44	5.98			
Khandke	0.98	11.22			
Khaparale	1.14	10.44			
Total	21.38	261.34			
CPP					
JSW JAIGAD	22.11	212.53	966	855	1137
WARDHA	8.26	87.23	351	320	355
Adani	25.30	260.35	1230	850	1234
Other CPPs	11.62	93.03			384
Total	67.28	653.14			3110
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	8.03	103.66	478	314	500
Trombay 6	3.55	39.29	149	148	500
Trombay 7A	2.98	32.39	126	123	120
Trombay 7B	1.63	17.86	68	67	60
Trombay 8	4.69	58.00	248	167	250
TATA Hydro	4.68	49.55	421	0	447
Total	25.56	300.75			1877
REL					
1&2	10.94	124.72	526	391	500
Total	10.94	124.72			500
Cent Sect					
Share					4382
Total					4382

MS PG CL	Thermal	77.96	882.85			3539
	Thml+Gas	88.41	994.98			3979
	Hydro	4.56	64.31			1266
	Total	92.98	1059.30			5245
State Total		218.40	2166.43			15114

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 11/Jul/2013

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	3105	66	448	3619	1031	2552	3181	3447	-520	-595	10054	81	10135	1844	11979	50.06
2	3126	71	448	3645	1102	2526	3126	3241	-439	-434	10080	54	10134	1674	11808	50.09
3	3149	66	452	3667	1035	2502	3128	3221	-395	-359	10066	54	10120	1594	11714	50.05
4	3212	111	452	3775	920	2520	3104	3604	-371	-323	10496	54	10550	1559	12109	50.04
5	3263	171	451	3885	804	2488	3107	3774	-374	-347	10604	54	10658	1585	12243	50.09
6	3237	76	443	3756	852	2744	3670	4044	-427	-442	10954	56	11010	1678	12688	50.00
7	3248	71	446	3765	814	2908	3948	4215	-479	-546	11156	56	11212	1791	13003	50.09
8	3249	127	453	3829	695	2962	4101	4415	-518	-608	11293	56	11349	1977	13326	50.08
9	3150	263	448	3861	797	2983	4170	4496	-567	-636	11501	55	11556	2299	13855	50.07
10	3141	340	450	3931	702	2988	4254	4382	-651	-704	11299	55	11354	2622	13976	50.04
11	3218	324	446	3988	738	2970	4443	4302	-843	-947	11067	56	11123	2821	13944	50.11
12	3239	173	437	3849	714	2956	4495	4285	-890	-1026	10805	57	10862	2845	13707	50.04
13	3261	146	438	3845	936	2816	4401	3945	-849	-1162	10388	110	10498	2800	13298	50.00
14	3348	108	433	3889	1022	2741	4243	3662	-761	-1112	10202	56	10258	2666	12924	50.07
15	3297	146	433	3876	1110	2615	4148	3850	-794	-1017	10434	54	10488	2679	13167	49.94
16	3242	226	439	3907	1065	2614	3796	3949	-761	-975	10583	55	10638	2674	13312	50.05
17	3289	288	442	4019	1107	2657	3437	3662	-552	-968	10500	56	10556	2665	13221	50.05
18	3262	324	436	4022	1038	2946	3275	3174	-559	-1035	10169	56	10225	2651	12876	50.10
19	3326	472	437	4235	1046	2990	3372	3405	-574	-967	10733	55	10788	2593	13381	50.02
20	3297	446	438	4181	942	2958	4156	4051	-489	-795	11363	55	11418	2546	13964	49.94
21	3313	264	422	3999	844	2954	4244	4078	-452	-819	11079	54	11133	2481	13614	49.95
22	3324	163	403	3890	822	2970	4204	4059	-517	-718	11038	54	11092	2281	13373	49.99
23	3317	61	382	3760	665	2966	3999	3974	-577	-753	10635	54	10689	2142	12831	50.09
24	3347	61	375	3783	580	2956	3872	3710	-578	-724	10331	54	10385	2049	12434	50.18
MUs	77.96	4.56	10.45	92.98	21.38	67.28	91.87	92.94	-13.94	-18.01	256.83	1.40	258.23	54.52	312.75	50.05

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 11/Jul/2013

Position as on 6.30 Hrs of 12/Jul/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 4	210	28/11/2012	02.37		Continued.	water shortage.	
Cent_Sect Tarapur 2	160	31/12/2012	17.05		Continued.	Refuelling work	
Parli Unit 6	250	25/01/2013	19.49		Continued.	Water Shortage/AOH from 06.03.2013	
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Parli Unit 5	210	14/02/2013	22.45		Continued.	Water Shortage	
Parli Unit 7	250	17/02/2013	01.00		Continued.	Water Shortage.	
Chandrapur Unit 4	210	15/06/2013	13.33		Continued.	Annual Overhaul	
Nasik Unit 4	210	07/07/2013	02.00		Continued.	C.O.H.	
Koyna ST - IV 4	250	10/07/2013	08.00	11/07/2013	11.50	Maintenance Work.	
FORCED OUTAGE							
Dabhol 3B	230	28/05/2013	21.58		Continued.	Gas shortage.	
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Koyna Unit 11	80	04/06/2013	13.25		Continued.	Rotar Fault.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 3X	290	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
CPP WPCL U-4	135	12/06/2013	03.27		Continued.	Turbine Balancing.	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Uran Unit 7	108	30/06/2013	12.42		Continued.	Gas Shortage.	
Bhusawal Unit 5	500	03/07/2013	23.40		Continued.	ESP Problem.	
CPP Adani U1	660	04/07/2013	20.11		Continued.	BOILER TUBE LEAKAGE	
Chandrapur Unit 3	210	08/07/2013	16.25	11/07/2013	11.50	Furnace Pressure High	
Nasik Unit 5	210	09/07/2013	09.30		Continued.	Boiler Tube Leakage	
Koradi Unit 5	200	10/07/2013	20.16		Continued.	Flame Failure.	
CPP VIPL	300	11/07/2013	18.42	11/07/2013	21.11	Boiler Tripped.	
Koyna Unit 3	75	11/07/2013	23.20	12/07/2013	04.05	Differential Protection.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 11/Jul/2013

Position as on 6.30 Hrs of 12/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Chandrapur-Bhadravti - I	09/06/2013	16.16	11/07/2013	15.26	Over Voltage
Wardha - Seoni - I	01/07/2013	08.35		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	06/07/2013	17.08		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	11/07/2013	01.01	11/07/2013	09.41	Over Voltage
Chandrapur-Bhadravati-II	11/07/2013	12.08	11/07/2013	15.49	MB-II Outage @ Bhadravati End.
Parli - Solapur (PGCIL) - I	11/07/2013	18.07		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	12/07/2013	01.17		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Koradi-Satpur	14/06/2013	02.02		Continued.	Over Voltage.
Kolhapur - Mapusa - II	05/07/2013	17.10	11/07/2013	10.01	Bus Bar Prot Operated.(Ready for charging 17.46Hrs)
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 500 MVA ICT-I @ Deepnagar	07/06/2013	17.03		Continued.	ICT charged through Tie Bay due to higher Tan Delta Values of HV side R Phase Bus-II CT
Dabhol-Nagothane - II	09/07/2013	12.08		Continued.	Taking A/R in to service at N'thane end(Ready for Charging 19.48Hrs)
400/220 KV,500 MVA ICT-II At Lamboti.	11/07/2013	12.32	11/07/2013	12.41	To Remove Faulty B Ph. ICT Unit from 400 KV Switchyard.
400/220 KV 500 MVA ICT - I @ Lamboti	11/07/2013	12.41	11/07/2013	16.13	To Remove Faulty B Ph. ICT Unit from 400 KV Switchyard.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Main CB of 220/100kV 200 MVA ICTIII @ Padgha	22/05/2013	10.46		Continued.	Repl.of A bus,B bus isolator under JICA scheme.ICT on TBC.
Karad - Sadawaghapur - II	09/07/2013	10.17	11/07/2013	17.24	To avoid crossing of 220KV Sadavghapur-II :Ckt I
Aarey - Borivali	11/07/2013	07.05	11/07/2013	10.06	Annual Maint.
Babaleshwar - Ranjangaon	11/07/2013	09.00	11/07/2013	17.40	Q.M.Work.
Jejuri-Phursungi - I	11/07/2013	09.12	11/07/2013	13.14	Half Yearly Maint. Work.
Bhugaon-Pusad	11/07/2013	12.10	11/07/2013	17.11	Replacement of Flash Over Disc Insulator String.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
Karad - Newkoyna - I	23/06/2013	16.36		Continued.	Over Voltage
Dabhol - New Koyna - I	30/06/2013	10.42		Continued.	Over Voltage.
Deepnagar-Aurangabad-I	04/07/2013	18.51	11/07/2013	15.30	Over Voltage.
Karad - Kolhapur - I	05/07/2013	17.10		Continued.	Over Voltage.
Bhusawal- Aurangabad	07/07/2013	21.18	11/07/2013	09.48	Over Voltage
Chandrapur - Parli - III	10/07/2013	22.02	11/07/2013	06.11	Over Voltage.
Karad - Kolhapur - II	10/07/2013	23.31	11/07/2013	08.55	Over Voltage
Lonikand- Koyna Stage IV	11/07/2013	00.59	11/07/2013	06.37	Over Voltage
Bhusawal- Aurangabad	11/07/2013	13.28		Continued.	Over Voltage.
Deepnagar-Aurangabad-II	11/07/2013	15.31		Continued.	Over Voltage.
Karad - Kolhapur - II	11/07/2013	21.40		Continued.	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 11/Jul/2013

Position as on 6.30 Hrs of 12/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Lonikand- Koyna Stage IV	12/07/2013	00.12		Continued.	Over Voltage.
Chandrapur - Parli - III	12/07/2013	02.27		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Pusad-Nanded	11/07/2013	11.52	11/07/2013	17.16	In View of Pusad Bhugaon Outage.
Vita - Lamboti	11/07/2013	13.50	11/07/2013	16.21	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated Declared Faulty by Genco.
Parli - Solapur	11/07/2013	12.45	11/07/2013	16.13	Over Voltage.
Dhule - Babaleshwar - II	11/07/2013	17.52	11/07/2013	20.32	Over Voltage.
Lonikand - Parli - II	12/07/2013	02.27	12/07/2013	06.57	While Handtripped of Parli-C'pur-III.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
Bhenda-Waluj	12/07/2013	00.45	12/07/2013	01.37	No Indication.
Voltage Level : 132KV			Outage Type TRIPPED		
Kawlewada - Adani	11/07/2013	18.30	11/07/2013	18.54	Distance Protection Operated.
Voltage Level : 100KV			Outage Type TRIPPED		
Kandalgaon-Roha-I	11/07/2013	02.50	11/07/2013	03.30	Distance Protection
Kandalgaon-Roha-II	11/07/2013	02.50	11/07/2013	04.20	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 12/Jul/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	160
	620	300
Bhusawal		
Unit 2	210	160
Unit 3	210	140
Unit 4	500	323
Unit 5	500	
	1420	623
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	0
	1130	0
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	165
Unit 4	210	0
Unit 5	500	300
Unit 6	500	260
Unit 7	500	250
	2340	1295
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	180
Unit 4	210	180
Unit 5	500	350
	1340	1030
Nasik		
Unit 3	210	195
Unit 4	210	0
Unit 5	210	0
	630	195
Uran		
All Units	852	440
	852	440
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	32
GHATGHAR	250	0
	611	176
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	1200	870
WARDHA	405	355
Adani	1320	1234
Other CPPs	300	373
	3225	2832
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	4263
	3455	4263