



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

State Load Dispatch Center, Airoli

Daily system Report

for

08/Jul/2013

State Load Dispatch Center,Airoli (MSETCL)
Daily system Report for 08/Jul/2013 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	80.018	649.383	1) Gujrat	20.308	103.939
2) Hydro	4.575	48.815	2) Madhya Pradesh	17.364	141.719
3) Gas	10.920	80.798	3) Chattisgarh	7.400	55.610
Total MSGENCO	95.513	778.996	4) Maharashtra	58.027	455.080
B) 1) JSW JAIGAD	19.249	148.481	5) Goa	-4.318	-37.768
2) WPCL	8.200	63.805	6) TAPS 1&2 Injection	2.050	27.918
3) ADANI	24.910	185.350	7) RGPPL Injection	6.676	53.425
4) Other CPP / IPP	9.101	60.379	8) Pench (Excess)	-0.139	-1.776
5) Wind Generation	21.186	189.293	# Total Cent. Sector	107.368	798.147
6) PENCH (MS)	0.139	1.776	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-18.711	-133.996
1) TPCL Thermal	21.428	185.191	G) Bilateral Power *		
2) TPCL Hydro	4.819	35.469	1) MSEDCL Bilateral	47.110	314.491
TOTAL TPCL	26.247	220.660	Include PX	0.000	-10.992
3) REL Thermal	10.366	91.633	2) MUMBAI Bilateral	15.462	111.282
D) STATE			Include PX	4.670	19.231
1) Thermal (A1+C1+C3)	111.812	926.207	3) MUMBAI Schedule	15.462	111.282
2) Hydro (A2+B5+C2)	9.533	86.060	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.920	80.798	1) MSEDCL	266.955	2092.231
4) Wind (B4)	21.186	189.293	2) TPCL	36.716	292.587
5) CPP (B1+B2+B3)	61.460	297.575	3) REL	18.605	153.693
TOTAL STATE	214.911	1579.933	TOTAL STATE	322.276	2538.511

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3457	3194	3320
MSGENCO Hydro	294	539	68
MSGENCO Gas	461	462	444
MSGENCO Total Generation	4212	4195	3832
Central Sector Receipt	4792	4566	3336
WIND	683	1216	734
CPP / IPP	2769	2756	2598
Exchange with Mumbai	-861	-719	-363
MSEDCL DEMAND MET	11595	12041	10137
Load Shedding	97	81	55
MSEDCL DEMAND	11692	12122	10192
TPCL GENERATION	1439	1272	851
R-INFRA GENERATION	525	520	397
TPCL+R-INFRA DEMAND	2825	2511	1611
STATE DEMAND MET	14420	14552	11748
STATE DEMAND	14517	14633	11803
Frequency (Hz)	50.08	49.97	50.10

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.45 Hz at 13.05 Hrs	49.77 Hz at 20.17 Hrs	50.13	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 08/Jul/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.17	14.17	151	120	130
Unit 6	2.50	22.86	125	71	115
Unit 7	0.00	0.00	0	0	0
Total	5.67	37.03			245
Bhusawal					
Unit 2	3.36	27.38	150	130	150
Unit 3	2.58	25.98	155	0	140
Unit 4	6.84	42.54	320	240	300
Unit 5	0.00	12.40	0	0	0
Total	12.79	108.31			590
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	0.00	0	0	0
Unit 7	0.00	0.00	0	0	0
Total	0.00	0.00			0
Chandrapur					
Unit 1	3.58	27.62	157	144	155
Unit 2	3.63	28.39	161	144	160
Unit 3	2.86	17.76	182	0	175
Unit 4	0.00	0.00	0	0	0
Unit 5	5.74	41.39	260	205	260
Unit 6	5.60	37.07	255	215	230
Unit 7	5.65	45.00	252	220	250
Total	27.07	197.23			1230
Paras					
Unit 3	4.28	31.90	192	163	220
Unit 4	4.79	35.70	227	175	220
Total	9.07	67.60			440
Khaparkheda					
Unit 1	3.49	20.96	165	115	160
Unit 2	3.24	19.60	160	105	160
Unit 3	0.00	18.12	0	0	0
Unit 4	4.07	32.85	189	151	170
Unit 5	6.52	55.72	300	226	300
Total	17.32	147.26			790
Nasik					
Unit 3	4.14	33.49	190	165	195
Unit 4	0.00	25.26	0	0	0
Unit 5	3.96	33.21	175	150	195
Total	8.10	91.96			390
Uran					
All Units	10.92	80.80	466	444	430
Total	10.92	80.80			430
PENCH (MS)					
Pench (MS)	0.14	1.78	27	0	
Total	0.14	1.78			
Koyna					
Stage 1-2	1.24	14.53	185	40	600
Stage 4	0.00	5.66	0	0	250
Stage 3	0.89	10.75	158	0	240
Kovna 12&4 Total	1.24	20.19			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.13	30.94			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.74	0	0	61
TILLARI	0.28	1.71	59	0	60
BHTGR/VEER	0.15	0.40	7	6	3
BHIRA T.R.	0.35	3.55	80	0	80
RNGR+BHTSA	0.00	0.06	0	0	0
BHANDARDRA	0.11	0.88	5	4	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.44	2.66	19	18	0
GHATGHAR	1.11	7.87	240	0	0
Total	2.44	17.87			204
Wind					
MalharPeth	0.93	8.89			
Vankuswadi	1.65	14.65			
ATIT	0.20	2.96			
Kale	0.58	5.06			
Satara	6.67	52.22			
Shirala	0.47	4.97			
K Mahankal	0.09	2.28			
Supa	0.34	2.40			
Vita	2.88	24.75			
Dondaicha	4.54	44.28			
Sakri	0.64	7.28			
Nandurbar	0.50	4.48			
Khandke	0.88	8.12			
Khaparale	0.83	6.96			
Total	21.19	189.29			
CPP					
JSW JAIGAD	19.25	148.48	862	764	870
WARDHA	8.20	63.80	349	322	347
Adani	24.91	185.35	1210	840	1234
Other CPPs	9.10	60.38			245
Total	61.46	458.02			2696
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	8.51	77.21	500	320	500
Trombay 6	3.55	28.63	148	148	500
Trombay 7A	2.97	23.48	126	117	120
Trombay 7B	1.64	12.98	69	66	60
Trombay 8	4.76	42.88	249	187	250
TATA Hydro	4.82	35.47	416	0	447
Total	26.25	220.66			1877
REL					
1&2	10.37	91.63	526	387	500
Total	10.37	91.63			500
Cent Sect					
Share					4923
Total					4923

MS PG CL	Thermal	80.02	649.38			3685
	Thml+Gas	90.94	730.18			4115
	Hydro	4.58	48.82			1294
	Total	95.51	779.00			5409
State Total		214.91	1579.93			15405

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 08/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	3386	90	444	3920	736	2789	4325	3612	-516	-577	10490	84	10574	1840	12414	50.15
2	3390	68	444	3902	733	2728	4099	3434	-456	-449	10348	55	10403	1700	12103	50.17
3	3320	68	444	3832	734	2598	4053	3336	-456	-363	10137	55	10192	1611	11803	50.10
4	3336	78	444	3858	748	2553	4029	3431	-457	-327	10263	53	10316	1564	11880	50.25
5	3426	68	452	3946	774	2430	4029	3602	-456	-335	10417	53	10470	1573	12043	50.24
6	3473	68	454	3995	756	2347	4364	4347	-451	-435	11010	81	11091	1676	12767	50.09
7	3485	73	455	4013	774	2414	4394	4542	-449	-545	11198	120	11318	1798	13116	50.15
8	3469	73	457	3999	682	2485	4403	4802	-460	-676	11292	120	11412	1957	13369	50.21
9	3424	141	466	4031	656	2606	4474	5100	-527	-819	11574	210	11784	2275	14059	50.14
10	3455	252	463	4170	669	2810	4628	4765	-680	-701	11713	153	11866	2631	14497	50.09
11	3457	294	461	4212	683	2769	4861	4792	-910	-861	11595	97	11692	2825	14517	50.08
12	3429	245	461	4135	683	2807	4921	4858	-967	-957	11526	81	11607	2857	14464	50.17
13	3420	228	460	4108	858	2509	4840	5123	-927	-1076	11522	129	11651	2850	14501	50.18
14	3346	196	459	4001	648	2413	4664	5528	-802	-1198	11392	74	11466	2742	14208	50.24
15	3358	431	453	4242	832	2448	4726	5034	-867	-1183	11373	73	11446	2775	14221	50.02
16	3377	390	455	4222	925	2467	4713	5012	-853	-1189	11456	75	11531	2772	14303	50.23
17	3294	253	453	4000	1127	2368	4606	4693	-751	-1106	11092	76	11168	2731	13899	50.14
18	3166	99	459	3724	1162	2314	4454	4516	-588	-1043	10673	86	10759	2678	13437	50.09
19	3125	102	459	3686	1137	2358	4418	4600	-577	-967	10814	85	10899	2592	13491	50.05
20	3142	412	460	4014	1115	2665	4614	4935	-670	-962	11774	89	11863	2616	14479	49.99
21	3194	539	462	4195	1216	2756	4599	4566	-655	-719	12041	81	12122	2511	14633	49.97
22	3191	184	449	3824	1192	2672	4625	4225	-675	-616	11320	73	11393	2423	13816	50.12
23	3178	112	453	3743	1224	2646	4620	4292	-679	-834	11094	58	11152	2269	13421	50.08
24	3177	111	453	3741	1122	2508	4507	4223	-636	-773	10841	56	10897	2058	12955	50.16
MUs	80.02	4.58	10.92	95.51	21.19	61.46	107.97	107.37	-15.46	-18.71	266.96	2.12	269.07	55.32	324.40	50.13

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 08/Jul/2013

Position as on 6.30 Hrs of 09/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.	
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	
Koradi Unit 7	210	30/06/2013	09.42		Continued.	GC-2 Heavy Gland Flag Leakage.	
Uran Unit 7	108	30/06/2013	12.42		Continued.	Gas Shortage.	
CPP VIPL	300	03/07/2013	12.29		Continued.	CHP Problem.	
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	
CPP JSW (J) U2	300	05/07/2013	22.00		Continued.	C.T.L.	
Khaparkheda Unit 3	210	07/07/2013	10.11	09/07/2013	05.16	Boiler Tube Leakage	
Bhusawal Unit 3	210	07/07/2013	22.28	08/07/2013	03.51	Furnace Pressure High	
Chandrapur Unit 3	210	08/07/2013	16.25		Continued.	Furnace Pressure High	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 08/Jul/2013

Position as on 6.30 Hrs of 09/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Chandrapur-Bhadravti - I	09/06/2013	16.16		Continued.	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.
Parly(PG)- Solapur(PG) - II	08/07/2013	16.39		Continued.	Over Voltage
Solapur - Solapur (PG)	08/07/2013	16.46		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		Continued.	Bus Bar Prot Operated.(Ready for charging 17.46Hrs)
Parly(PG)- Solapur(PG) - I	06/07/2013	23.45		Continued.	Over Voltage.
Lamboti - Solapur (PGCIL)	07/07/2013	21.12	08/07/2013	06.24	Over Voltage
Karad - Solapur (PGCIL)	08/07/2013	04.14	08/07/2013	06.45	Over Voltage
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
Kalwa - Lonikand	08/07/2013	07.31		Continued.	LILO at Talegaon end
400/220 KV 500 MVA ICT-I @ Deepnagar	08/07/2013	09.52	08/07/2013	12.27	Collecting oil samples for DGA Line CTs
400/220 KV 500 MVA ICT-II at Lamboti	08/07/2013	11.00	08/07/2013	15.22	Bunching of Faulty B Phase Unit of 400KV ICT-II
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.
Bus Section - II @ Pedambe	08/07/2013	08.38	08/07/2013	15.50	Replacement of R Phase ARM of Isolator of T/F-II
220/132 KV 200 MVA ICT - I @ Akola	08/07/2013	09.40	08/07/2013	17.30	WTI meter Replacement
Khaparkheda New - Khaparkheda Old - II	08/07/2013	10.08	08/07/2013	12.59	Tan Delta of Y phase CT
220/110KV 200MVA ICT-II at Mudshingi	08/07/2013	10.10	08/07/2013	13.05	Q.M.Work
BBLSR-Chalishaon	08/07/2013	10.22	08/07/2013	14.43	New Breaker commissioning
Wadkhal - Ndil - 2	08/07/2013	10.57	08/07/2013	17.24	Stringing work
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		Continued.	Over Voltage.
Karad - Kolhapur - I	05/07/2013	17.10		Continued.	Over Voltage.
Karad - Kolhapur - II	06/07/2013	17.06	08/07/2013	10.24	Over Voltage.
Bhusawal- Aurangabad	07/07/2013	21.18		Continued.	Over Voltage
Lonikand- Koyna Stage IV	07/07/2013	23.39	08/07/2013	06.50	Over Voltage
Karad - Kolhapur - II	08/07/2013	16.25		Continued.	Over Voltage

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 08/Jul/2013

Position as on 6.30 Hrs of 09/Jul/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Lonikand- Koyna Stage IV	08/07/2013	23.59		Continued.	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.
C'pur-Parli II	06/07/2013	05.40	08/07/2013	07.23	Distance Protection(Ready for charging 18.18Hrs)
Karad-Jaigad I	08/07/2013	02.32	08/07/2013	08.16	Over Voltage
C'pur-Parli II	09/07/2013	01.52		Continued.	Over Voltage
Lonikand - Parli - II	09/07/2013	01.52		Continued.	Over Voltage
Chandrapur - Parli - III	09/07/2013	01.52		Continued.	Over Voltage
Lonikand-Parli-I	09/07/2013	01.52		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
A'nagar-Pal	06/07/2013	04.32		Continued.	Wave trap burst.
Vita - Lamboti	08/07/2013	04.29	08/07/2013	04.43	Distance Protection
Karad Mudsingi-II	08/07/2013	13.37	08/07/2013	14.09	Distance protection
Voltage Level : 132KV			Outage Type TRIPPED		
Nanded - Umri - II	08/07/2013	22.20	08/07/2013	22.37	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 09/Jul/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	105
Unit 7	210	0
	620	235
Bhusawal		
Unit 2	210	150
Unit 3	210	140
Unit 4	500	323
Unit 5	500	
	1420	613
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	0
Unit 4	210	0
Unit 5	500	225
Unit 6	500	230
Unit 7	500	250
	2340	1025
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	160
Unit 2	210	170
Unit 3	210	150
Unit 4	210	180
Unit 5	500	350
	1340	1010
Nasik		
Unit 3	210	195
Unit 4	210	0
Unit 5	210	195
	630	390
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	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	3
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	204
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	347
Adani	1320	1234
Other CPPs	300	245
	3225	2696
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	4845
	3455	4845