



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Jul/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/Jul/2014 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	103.438	2129.341	1) Gujrat	-2.828	-21.368
2) Hydro	4.519	102.776	2) Madhya Pradesh	13.862	290.708
3) Gas	6.358	189.127	3) Chattisgarh	6.070	145.100
Total MSGENCO	114.315	2421.244	4) Maharashtra Net	66.309	1587.976
B) 1) JSW JAIGAD	18.146	498.946	(Incl. 765kV Solapur-Raichur)	-5.365	-77.701
2) WPCL	4.402	66.282	5) Goa	-5.458	-127.055
3) ADANI	25.490	853.003	6) TAPS 1&2 Injection	7.357	145.304
4) Other CPP / IPP	15.806	351.085	7) RGPPL Injection	0.000	0.000
5) Wind Generation	48.333	675.651	8) Pench (Excess)	0.000	-2.785
6) PENCH (MS)	0.000	2.785	# Total Cent. Sector	85.312	2017.880
7) SOLAR	0.510	16.062	F) Other Exchanges		
C) 1) TPCL Thermal	13.885	347.267	1) With TPCL (Excess)	-21.172	-494.502
2) TPCL Hydro	1.905	47.533	G) Bilateral Power *		
TOTAL TPCL	15.790	394.800	1) MSEDCL Bilateral	8.764	624.392
3) REL Thermal	11.487	228.208	Include PX	-5.958	110.101
D) STATE			2) MUMBAI Bilateral	20.641	491.987
1) Thermal (A1+C1+C3)	128.810	2704.816	Include PX	2.206	42.330
2) Hydro (A2+B6+C2)	6.424	153.094	3) MUMBAI Schedule	20.957	500.990
3) Gas (A3)	6.358	189.127	H) ENERGY CATERED (MUs)		
4) Wind (B5)	48.333	675.651	1) MSEDCL	291.142	6408.436
5) CPP/IPP (B1+B2+B3+B4)	63.844	1769.316	2) TPCL	29.467	706.233
6) SOLAR (B7)	0.510	16.062	3) REL	18.980	411.260
TOTAL STATE	254.279	5508.066	TOTAL STATE	339.589	7525.929

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	4522	4058	4517
MSGENCO Hydro	151	534	42
MSGENCO Gas	265	262	266
MSGENCO Total Generation	4938	4854	4825
Central Sector Receipt	4152	3908	2816
WIND	2076	1865	2002
CPP / IPP	2826	2892	2437
SOLAR	62	0	0
Exchange with Mumbai	-844	-999	-810
MSEDCL DEMAND MET	13210	12520	11270
Load Shedding	52	54	52
MSEDCL DEMAND	13262	12574	11322
TPCL GENERATION	717	745	578
R-INFRA GENERATION	479	523	454
TPCL+R-INFRA DEMAND	2040	2267	1842
STATE DEMAND MET	15250	14787	13112
STATE DEMAND	15302	14841	13164
Frequency (Hz)	49.97	49.93	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.18 Hz at 07:53 Hrs	49.75 Hz at 19:43 Hrs	49.98	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 20/Jul/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	3.33	52.10	155	130	135
Unit 7	3.54	74.42	165	130	150
Total	6.87	126.52			285
Bhusawal					
Unit 2	0.00	47.15	0	0	0
Unit 3	3.44	37.34	165	130	145
Unit 4	8.36	170.68	405	330	347
Unit 5	7.54	152.74	350	275	336
Total	19.33	407.93			828
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.72	58.89	169	143	140
Unit 6	4.32	89.38	187	173	180
Unit 7	4.40	89.79	188	175	180
Total	12.45	238.06			500
Chandrapur					
Unit 1	2.82	41.99	130	96	150
Unit 2	3.21	67.13	144	126	150
Unit 3	3.50	48.93	167	130	180
Unit 4	3.58	82.48	170	138	210
Unit 5	9.27	192.34	435	356	450
Unit 6	8.73	175.20	395	347	400
Unit 7	0.00	0.00	0	0	0
Total	31.10	608.09			1540
Paras					
Unit 3	4.18	82.94	189	121	183
Unit 4	4.73	54.98	212	151	191
Total	8.90	137.92			374
Khaparkheda					
Unit 1	3.52	41.67	160	135	160
Unit 2	3.60	72.12	170	135	160
Unit 3	1.52	68.89	148	0	170
Unit 4	3.62	62.20	170	136	170
Unit 5	4.16	168.16	392	0	400
Total	16.42	413.04			1060
Nasik					
Unit 3	0.00	41.57	0	0	0
Unit 4	4.17	78.04	178	169	198
Unit 5	4.18	78.18	178	171	190
Total	8.35	197.79			388
Uran					
All Units	6.36	189.13	271	258	270
Total	6.36	189.13			270
PENCH (MS)					
Pench (MS)	0.00	2.78	0	0	0
Total	0.00	2.78			0
Koyna					
Stage 1-2	1.08	30.32	75	40	600
Stage 4	0.00	0.74	0	0	250
Stage 3	1.13	18.02	232	0	320
Kovna 12&4 Total	1.08	31.06			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.20	49.08			1170
Hydro					
KDPH	0.00	4.14	0	0	0
VTRNA	0.00	9.44	0	0	61
TILLARI	0.60	5.13	63	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.38	3.54	41	0	40
RNGR+BHTSA	0.00	2.37	0	0	0
BHANDARDRA	0.18	2.01	34	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.10	3.60	11	2	8
GHATGHAR	1.06	23.46	250	0	0
Total	2.31	53.70			169
Wind					
MalharPeth	1.13	19.56			
Vankuswadi	2.07	32.39			
ATIT	0.34	4.90			
Kale	1.13	14.37			
Satara	21.99	313.48			
Shirala	1.47	18.40			
K Mahankal	0.16	2.25			
Supa	0.39	5.71			
Vita	4.77	71.47			
Dondaicha	9.77	122.79			
Sakri	1.21	16.88			
Nandurbar	0.70	12.53			
Khandke	1.54	21.78			
Khaparale	1.66	19.14			
Total	48.33	675.65			
CPP					
JSW JAIGAD	18.15	498.95	886	681	741
WARDHA	4.40	66.28	187	173	185
Adani	25.49	853.00	1210	790	1223
Other CPPs	15.81	340.39			745
Total	63.84	1758.62			2894
SOLAR					
Total	0.51	16.06			
Total	0.51	16.06			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.42	217.81	498	314	500
Trombay 6	0.00	47.81	0	0	0
Trombay 7A	2.85	51.48	125	95	120
Trombay 7B	1.62	30.17	70	59	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	1.90	47.53	114	72	447
Total	15.79	394.80			1127
REL					
1&2	11.49	228.21	524	454	500
Total	11.49	228.21			500
Cent Sect					
Share					4374
Total					4374
MS PG CL	Thermal	103.44	2129.34		4975
	Thml+Gas	109.80	2318.47		5245
	Hydro	4.52	102.78		1339
	Total	114.32	2421.24		6584
State Total		254.28	5508.07		15479

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/Jul/2014

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	4517	42	267	4826	2071	2467	0	3171	3376	-797	-939	11801	80	11881	2006	13887	49.94
2	4517	42	266	4825	2002	2437	0	2987	2816	-752	-810	11270	52	11322	1842	13164	49.99
3	4541	75	267	4883	1955	2468	0	2979	3134	-731	-732	11708	52	11760	1754	13514	50.01
4	4549	80	266	4895	1900	2455	0	2969	2975	-714	-687	11538	52	11590	1708	13298	49.96
5	4527	69	266	4862	1964	2442	0	2981	2986	-714	-683	11571	52	11623	1706	13329	50.03
6	4559	47	268	4874	1928	2480	0	3684	3565	-733	-729	12118	52	12170	1753	13923	50.01
7	4593	57	270	4920	1808	2318	4	3865	4083	-753	-733	12400	52	12452	1764	14216	50.01
8	4774	47	271	5092	1873	2527	15	3884	4082	-755	-647	12942	53	12995	1809	14804	50.05
9	4697	92	269	5058	1885	2807	35	3905	3829	-889	-633	12981	53	13034	1901	14935	50.02
10	4522	151	265	4938	2076	2826	62	3938	4152	-980	-844	13210	52	13262	2040	15302	49.97
11	4452	152	264	4868	2061	2771	55	3917	4156	-1024	-970	12941	52	12993	2160	15153	50.01
12	4219	203	264	4686	2106	2789	87	3767	4034	-1023	-990	12712	53	12765	2187	14952	49.99
13	4116	357	261	4734	2358	2845	58	3505	3614	-1074	-966	12643	107	12750	2175	14925	49.98
14	4124	257	264	4645	2252	2864	40	3338	3097	-1036	-983	11915	55	11970	2133	14103	49.97
15	4059	154	260	4473	2200	2664	51	3837	3571	-982	-977	11982	55	12037	2096	14133	49.97
16	4009	124	258	4391	2304	2522	49	3839	3708	-921	-968	12006	54	12060	2046	14106	49.93
17	4086	152	258	4496	2168	2521	31	3429	3474	-866	-961	11729	54	11783	2034	13817	49.97
18	4110	144	264	4518	2098	2537	19	3104	3284	-779	-995	11461	55	11516	2046	13562	49.97
19	4065	238	264	4567	1868	2658	4	3222	3292	-778	-995	11394	55	11449	2073	13522	49.97
20	4098	327	266	4691	1852	2870	0	3853	4023	-930	-1011	12425	55	12480	2221	14701	49.87
21	4058	534	262	4854	1865	2892	0	3919	3908	-1023	-999	12520	54	12574	2267	14841	49.93
22	4106	463	264	4833	1928	2954	0	3474	3412	-1002	-964	12163	54	12217	2264	14481	49.96
23	4060	397	267	4724	1944	2814	0	3248	3295	-891	-994	11783	54	11837	2256	14093	49.95
24	4080	315	267	4662	1867	2916	0	3353	3446	-810	-962	11929	54	11983	2208	14191	50.00
MUs	103.44	4.52	6.36	114.32	48.33	63.84	0.51	84.17	85.31	-20.96	-21.17	291.14	1.36	292.50	48.45	340.95	49.98

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 20/Jul/2014

Position as on 6.30 Hrs of 21/Jul/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Chandrapur Unit 7	500	19/06/2014	06.00		Continued.	A/OH.	
Koyna ST - IV 3	250	07/07/2014	09.00		Continued.	Annual Overhaul	23/08/2014
Nasik Unit 3	210	10/07/2014	14.10		Continued.	A/OH.	
Koyna Unit 7	80	17/07/2014	07.10		Continued.	AOH.	26/07/2014
FORCED OUTAGE							
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
CPP WPCL U-1	135	30/01/2014	12.45		Continued.	turbine vibration	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
CPP Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem. (U-1).	
Koradi Unit 5	200	17/06/2014	11.53		Continued.	I D Fan Bearing Temperature High.	
CPP IPL U-1	270	26/06/2014	05.46		Continued.	Coal Shortage.	
Parli Unit 4	210	29/06/2014	10.19		Continued.	Coal Shortage	
CPP Adani U-4	660	10/07/2014	11.32		Continued.	Depletion in coal stock.	
Tata Trombay 6	500	12/07/2014	22.13		Continued.	Economic shut down	
Uran Unit 6	108	15/07/2014	16.24		Continued.	Gas Shortage.	
Uran Unit 5	108	17/07/2014	23.38		Continued.	Rotor Balancing Work of A0	23/07/2014
Uran Unit A0	120	17/07/2014	23.40		Continued.	Rotor Balancing Work of A0 Unit.	23/07/2014
Bhusawal Unit 2	210	18/07/2014	23.46		Continued.	Coal Shortage.	
CPP Adani U-2	660	19/07/2014	04.28		Continued.	Leakage in HP by pass impulse line.	
CPP JSW (J) U2	300	20/07/2014	00.00		Continued.	No Buyer	
Khaparkheda Unit 3	210	20/07/2014	10.30		Continued.	flame failure	
Khaparkheda Unit 5	500	20/07/2014	11.31		Continued.	pa fan problem	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 20/Jul/2014

Position as on 6.30 Hrs of 21/Jul/2014

Name of Generating Unit	Capacity	Tripped Date	Trippe d Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
CPP VIPL U-2	300	20/07/2014	23.02		Continued.	coal fidding problem	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Jul/2014

Position as on 6.30 Hrs of 21/Jul/2014

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-Solapur(PGCIL)-I	17/07/2014	06.21		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	19/07/2014	17.30	20/07/2014	09.17	Over Voltage
Kolhapur-Mapusa-II	19/07/2014	21.09	20/07/2014	10.08	Over Voltage
Kolhapur - Mapusa - I	20/07/2014	15.38		Continued.	over voltage
Dhule-Sar'Sarovar - I	20/07/2014	18.19		Continued.	over voltage
Voltage Level : 400KV			Outage Type TRIPPED		
765 KV Seoni-Wardha-II	16/07/2014	03.01		Continued.	Over Voltage.
765KV Aurangabad PG-Wardha PG-I	16/07/2014	03.52		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 500MVA ICT-II at Warora	09/07/2014	14.35		Continued.	Attending CTR Fire System Nitrogen Leakage.
Auxiliary Bus @ Babaleshwar	15/07/2014	15.25		Continued.	Stu Bus Stringing & Erection Work of 400KV End Bay.(3 Days Outage)
400/220 KV 600 MVA ICT-II @ Kalwa	20/07/2014	08.09	20/07/2014	15.21	Hot spot
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Trombay - Sonkar	20/07/2014	08.02	20/07/2014	09.30	maintance work
Trombay - Tata Tie - II	20/07/2014	10.02	20/07/2014	19.30	Busoutage
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	18/07/2014	19.28		Continued.	Over Voltage.
Karad - Kolhapur - II	19/07/2014	17.13	20/07/2014	09.05	Over Voltage
Karad - Lonikand	20/07/2014	0.23	20/07/2014	6.34	Over Voltage
Karad-Jaigad I	20/07/2014	0.25	20/07/2014	09.15	Over Voltage
Lonikand-Stage4	20/07/2014	1.21	20/07/2014	08.42	Over Voltage
Karad - Kolhapur - II	20/07/2014	16.07		Continued.	over voltage
Karad-Jaigad I	20/07/2014	16.35		Continued.	over voltage
Akola-II - Taptithanda	20/07/2014	2.00	20/07/2014	6.28	Over Voltage
Lonikand-Stage4	20/07/2014	22.05		Continued.	over voltage
Padgha - Nagothane- II	20/07/2014	4.08	20/07/2014	09.13	Over Voltage
Padgha - Nagothane - I	21/07/2014	00.13		Continued.	over voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - I	28/04/2014	01.14		Continued.	To Control O/L of 220KV Paras-ChiKhli
Voltage Level : 400KV			Outage Type TRIPPED		
Warora - Tiroda - II	20/07/2014	14.27	20/07/2014	21.10	Trip at warora end only
Voltage Level : 220KV			Outage Type TRIPPED		
Pusad - Ghatodi	12/06/2014	17.40		Continued.	At loc.no 27,28 D/C tower 220KV Nanded-Ghatodi & 220KV Pusad-Ghatodi Collapsed(Line taken in service Bypassing Ghatodi LILO at 18.58/13-6-2014)
Nanded - Ghatodi	12/06/2014	17.40		Continued.	Dist.Prot,optd.Z-I at loc.no 27,28 D/C tower 220KV Nanded-Ghatodi & 220KV Pusad-Ghatodi Collapsed(Line

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Jul/2014

Position as on 6.30 Hrs of 21/Jul/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					taken in service Bypassing Ghatodi LILO at 18.58/13-6-2014)
Aurangabad-Jalna-II	02/07/2014	14.33		Continued.	Heavy Rain @ Aurangabad S/S load Trimming Schem Operated,Ckt Charged from Chikhli End @ 15.15 Hrs DT 2.7.14.
Chandrapur - Warora - II.	15/07/2014	02.40		Continued.	Tripped at Warora end only
220/100 KV,200MVA ICT - I at Padgha	18/07/2014	02.37		Continued.	Diff.Prot

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Jul/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	145
Unit 7	210	155
	620	300
Bhusawal		
Unit 2	210	0
Unit 3	210	125
Unit 4	500	376
Unit 5	500	338
	1420	839
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	155
Unit 6	250	175
Unit 7	250	180
	1130	510
Chandrapur		
Unit 1	210	130
Unit 2	210	150
Unit 3	210	170
Unit 4	210	210
Unit 5	500	450
Unit 6	500	400
Unit 7	500	0
	2340	1510
Paras		
Unit 3	250	170
Unit 4	250	250
	500	420
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	0
Unit 4	210	170
Unit 5	500	0
	1340	490
Nasik		
Unit 3	210	0
Unit 4	210	198
Unit 5	210	180
	630	378
Uran		
All Units	852	270
	852	270
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	320
	1920	1090
Hydro		
KDPH	40	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	62
BHTGR/VEER	21	0
BHIRA T.R.	80	41
RNGR+BHTSA	20	0
BHANDARDRA	45	32
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	145
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	825
WARDHA	405	185
Adani	2640	1223
Other CPPs	300	445
	4545	2678
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1127
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4296
	3455	4296