



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

State Load Dispatch Center, Airoli

Daily system Report

for

18/Jul/2014

State Load Dispatch Center,Airoli (MSETCL)

Daily system Report for 18/Jul/2014 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	104.418	1915.963	1) Gujrat	0.381	-16.063
2) Hydro	6.689	93.003	2) Madhya Pradesh	13.366	264.754
3) Gas	6.330	176.492	3) Chattisgarh	4.720	133.550
Total MSGENCO	117.437	2185.458	4) Maharashtra Net	62.470	1456.491
B) 1) JSW JAIGAD	23.547	457.727	(Incl. 765kV Solapur-Raichur)	-6.299	-69.602
2) WPCL	4.155	57.549	5) Goa	-5.941	-115.534
3) ADANI	36.213	801.688	6) TAPS 1&2 Injection	7.290	130.576
4) Other CPP / IPP	16.145	319.006	7) RGPPL Injection	0.000	0.000
5) Wind Generation	44.958	578.124	8) Pench (Excess)	-0.383	-2.705
6) PENCH (MS)	0.383	2.705	# Total Cent. Sector	81.903	1851.069
7) SOLAR	0.765	14.926	F) Other Exchanges		
C) 1) TPCL Thermal	14.581	318.681	1) With TPCL (Excess)	-27.702	-447.316
2) TPCL Hydro	2.874	42.721	G) Bilateral Power *		
TOTAL TPCL	17.455	361.402	1) MSEDCL Bilateral	18.796	591.012
3) REL Thermal	11.979	204.882	Include PX	-1.822	116.405
D) STATE			2) MUMBAI Bilateral	22.639	449.169
1) Thermal (A1+C1+C3)	130.978	2439.526	Include PX	1.118	39.942
2) Hydro (A2+B6+C2)	9.946	138.429	3) MUMBAI Schedule	22.639	457.856
3) Gas (A3)	6.330	176.492	H) ENERGY CATERED (MUs)		
4) Wind (B5)	44.958	578.124	1) MSEDCL	297.804	5820.936
5) CPP/IPP (B1+B2+B3+B4)	80.060	1635.970	2) TPCL	35.620	642.326
6) SOLAR (B7)	0.765	14.926	3) REL	21.515	371.259
TOTAL STATE	273.037	4983.467	TOTAL STATE	354.939	6834.521

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 9 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4267	4488	4246
MSGENCO Hydro	373	442	124
MSGENCO Gas	268	260	265
MSGENCO Total Generation	4908	5190	4635
Central Sector Receipt	4177	3435	2910
WIND	1860	1831	1784
CPP / IPP	3858	3420	3292
SOLAR	43	0	0
Exchange with Mumbai	-1266	-1046	-714
MSEDCL DEMAND MET	13580	12864	11911
Load Shedding	51	54	51
MSEDCL DEMAND	13631	12918	11962
TPCL GENERATION	562	1049	511
R-INFRA GENERATION	521	523	455
TPCL+R-INFRA DEMAND	2349	2618	1680
STATE DEMAND MET	15929	15482	13591
STATE DEMAND	15980	15536	13642
Frequency (Hz)	50.04	49.96	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.24 Hz at 06:54 Hrs	49.65 Hz at 19:40 Hrs	49.99	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 18/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	3.68	45.22	162	140	150
Unit 7	3.83	67.15	175	145	150
Total	7.52	112.38			300
Bhusawal					
Unit 2	3.50	47.15	165	103	145
Unit 3	0.00	32.23	0	0	0
Unit 4	7.82	153.78	355	260	330
Unit 5	8.02	137.24	375	300	340
Total	19.35	370.39			815
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.74	51.43	166	143	130
Unit 6	4.42	80.59	193	172	189
Unit 7	4.19	80.98	182	168	185
Total	12.34	212.99			504
Chandrapur					
Unit 1	3.03	36.08	132	122	140
Unit 2	3.17	60.69	139	124	150
Unit 3	0.61	42.05	116	0	0
Unit 4	3.90	74.86	173	150	190
Unit 5	9.49	173.79	450	365	450
Unit 6	7.76	157.73	350	295	400
Unit 7	0.00	0.00	0	0	0
Total	27.97	545.19			1330
Paras					
Unit 3	4.03	74.22	188	152	152
Unit 4	2.55	45.67	199	0	0
Total	6.58	119.89			152
Khaparkheda					
Unit 1	3.50	34.62	155	135	160
Unit 2	3.34	65.14	150	125	160
Unit 3	3.57	63.77	160	141	170
Unit 4	3.54	55.05	158	139	170
Unit 5	8.36	155.49	366	325	400
Total	22.31	374.06			1060
Nasik					
Unit 3	0.00	41.57	0	0	0
Unit 4	4.14	69.69	178	165	198
Unit 5	4.20	69.80	184	165	190
Total	8.35	181.06			388
Uran					
All Units	6.33	176.49	272	260	280
Total	6.33	176.49			280
PENCH (MS)					
Pench (MS)	0.38	2.70	48	0	0
Total	0.38	2.70			0
Koyna					
Stage 1-2	1.32	28.18	210	40	600
Stage 4	0.00	0.70	0	0	250
Stage 3	1.98	15.29	160	0	320
Kovna 12&4 Total	1.32	28.88			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.30	44.17			1170
Hydro					
KDPH	0.00	4.14	0	0	0
VTRNA	0.46	9.44	61	0	61
TILLARI	1.28	3.49	62	40	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.48	2.75	40	0	40
RNGR+BHTSA	0.00	2.37	0	0	0
BHANDARDRA	0.19	1.74	33	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.07	3.45	10	0	8
GHATGHAR	0.90	21.46	198	0	0
Total	3.39	48.84			169
Wind					
MalharPeth	1.35	17.04			
Vankuswadi	1.21	28.73			
ATIT	0.31	4.28			
Kale	1.06	12.08			
Satara	21.68	268.88			
Shirala	1.42	15.39			
K Mahankal	0.21	1.89			
Supa	0.45	4.87			
Vita	5.12	61.38			
Dondaicha	7.29	103.82			
Sakri	0.98	14.54			
Nandurbar	0.56	10.97			
Khandke	1.97	18.33			
Khaparale	1.34	15.93			
Total	44.96	578.12			
CPP					
JSW JAIGAD	23.55	457.73	1097	882	1089
WARDHA	4.16	57.55	177	167	170
Adani	36.21	801.69	1859	1257	1846
Other CPPs	16.14	308.31			715
Total	80.06	1625.28			3820
SOLAR					
Total	0.76	14.93			
Total	0.76	14.93			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.94	198.24	502	317	500
Trombay 6	0.00	47.81	0	0	0
Trombay 7A	2.98	45.72	126	123	120
Trombay 7B	1.66	26.91	70	68	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	2.87	42.72	359	0	447
Total	17.46	361.40			1127
REL					
1&2	11.98	204.88	524	454	500
Total	11.98	204.88			500
Cent Sect					
Share					4107
Total					4107
MS PG CL	Thermal	104.42	1915.96		4549
	Thml+Gas	110.75	2092.46		4829
	Hydro	6.69	93.00		1339
	Total	117.44	2185.46		6168
State Total		273.00	4983.47		15722

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 18/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	4222	134	263	4619	1552	3467	0	3278	3305	-695	-901	12089	80	12169	1917	14086	50.01
2	4210	124	264	4598	1802	3451	0	3193	3161	-736	-795	12264	51	12315	1762	14077	50.05
3	4246	124	265	4635	1784	3292	0	3139	2910	-751	-714	11911	51	11962	1680	13642	50.00
4	4185	139	266	4590	1640	3035	0	3110	3441	-725	-677	12029	51	12080	1647	13727	49.96
5	4213	189	271	4673	1595	3344	0	2992	3309	-715	-679	12242	51	12293	1656	13949	50.02
6	4290	176	272	4738	1652	3607	0	3521	3400	-746	-775	12622	51	12673	1751	14424	50.02
7	4211	185	271	4667	1748	3663	6	3772	4067	-785	-902	13249	51	13300	1880	15180	50.06
8	4295	281	271	4847	1825	3874	26	3857	3973	-896	-1047	13498	51	13549	2047	15596	50.11
9	4267	373	268	4908	1860	3858	43	4054	4177	-1057	-1266	13580	51	13631	2349	15980	50.04
10	4380	376	268	5024	1890	3524	59	4044	3920	-1111	-1299	13118	51	13169	2677	15846	49.99
11	4333	479	260	5072	2072	3249	91	3838	3994	-1226	-1447	13031	51	13082	2898	15980	49.99
12	4330	497	260	5087	2153	3072	122	3682	3544	-1245	-1481	12497	51	12548	2944	15492	50.00
13	4386	409	260	5055	2045	3195	117	3048	3283	-1215	-1507	12188	105	12293	2933	15226	50.01
14	4364	341	260	4965	2192	3229	110	2983	2877	-1168	-1458	11915	54	11969	2823	14792	50.01
15	4366	158	260	4784	2135	3134	72	3352	3190	-1141	-1413	11925	54	11979	2806	14785	49.96
16	4352	130	260	4742	2039	3142	58	3374	3319	-1122	-1401	11924	54	11978	2794	14772	49.98
17	4433	190	260	4883	1938	3126	33	3389	3186	-1108	-1426	11767	54	11821	2793	14614	49.93
18	4419	193	260	4872	1826	3171	25	3260	3120	-1147	-1449	11592	54	11646	2766	14412	49.94
19	4436	455	260	5151	1741	3240	3	2873	3301	-1119	-1373	12090	54	12144	2704	14848	49.90
20	4455	530	260	5245	1792	3309	0	3493	3440	-845	-1265	12569	54	12623	2690	15313	49.85
21	4488	442	260	5190	1831	3420	0	3647	3435	-828	-1046	12864	54	12918	2618	15536	49.96
22	4514	274	261	5049	1948	3334	0	3492	3292	-872	-1139	12511	54	12565	2470	15035	50.03
23	4533	245	264	5042	1917	3157	0	3371	2975	-705	-1116	12002	54	12056	2345	14401	49.98
24	4490	245	266	5001	1981	3167	0	3378	3284	-682	-1126	12327	54	12381	2186	14567	50.02
MUs	104.42	6.69	6.33	117.44	44.96	80.06	0.76	82.14	81.90	-22.64	-27.70	297.80	1.34	299.14	57.14	356.28	49.99

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 18/Jul/2014

Position as on 6.30 Hrs of 19/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.	
Bhusawal Unit 3	210	11/07/2014	22.25		Continued.	Coal shortage.	
Paras Unit 4	250	12/07/2014	10.37	18/07/2014	09.00	Drum level low	
Tata Trombay 6	500	12/07/2014	22.13		Continued.	Economic shut down	
Chandrapur Unit 3	210	14/07/2014	22.05	18/07/2014	14.52	Super Heater safety Valve Repair work	
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.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 18/Jul/2014

Position as on 6.30 Hrs of 19/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.
Kolhapur - Mapusa - II	17/07/2014	22.40	18/07/2014	08.24	Over Voltage.
Kolhapur - Mapusa - II	18/07/2014	16.40		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	18/07/2014	17.57		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - II	14/07/2014	20.42	18/07/2014	07.34	Distance Protection,RFC FROM15.7.14@14.33 hRS.
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.
Dhule-Sar'Sarovar - I	18/07/2014	03.00	18/07/2014	11.37	Distance Protection.
Voltage Level : 220KV			Outage Type TRIPPED		
Borivali -Tarapur	18/07/2014	09.32	18/07/2014	11.00	Dist.Prot.
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)
Koradi - Bhusawal	18/07/2014	08.42	18/07/2014	19.23	Crossing of 765 KV Tiroda-Akola II.
Lonikand II-Parli II	18/07/2014	09.39	18/07/2014	14.02	To attend bus conductor armouring work.of 29B isolator of B-Ph.(Ckt will be in service Th TBC)
400/220KV,500 MVA ICT-III At A'bad.	18/07/2014	10.28	18/07/2014	14.07	Repl.of R-Ph ICT U-4 bushing jumper.
400KV Tie Bay (A'bad PG II)406 at Akola	18/07/2014	15.50	18/07/2014	17.04	To attend the work of DC Coil.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Lonikand -Theur - II	09/07/2014	10.30		Continued.	C & R Panel Replacement,Taken on TBC 2 Days.
Kalwa-Temghar	18/07/2014	06.45	18/07/2014	10.13	Attending hot spot.
Pedambe - Oni	18/07/2014	08.55	18/07/2014	17.37	Bay preventive maint.work.
Khaparkheda New - Khaparkheda Old - II	18/07/2014	10.15	18/07/2014	16.10	Tan delta measurement of CT's.
Main Bus Sec.I at Shendra	18/07/2014	10.37	18/07/2014	17.30	Half Yearly Maint work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Dondaicha - Jamde - I	18/07/2014	17.09	18/07/2014	18.31	Heavy sparking on R-Ph CT and broken strands of conductor.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - II	17/07/2014	16.56	18/07/2014	09.24	Over Voltage.
Bhusawal- Aurangabad	17/07/2014	17.04	18/07/2014	08.20	Over Voltage.
Karad-Jaigad I	17/07/2014	17.04	18/07/2014	10.03	Over Voltage.
Karad - Kolhapur - II	18/07/2014	15.53		Continued.	Over Voltage.
Bhusawal- Aurangabad	18/07/2014	19.28		Continued.	Over Voltage.
Karad-Jaigad I	18/07/2014	22.08		Continued.	Over Voltage.
Padgha - Nagothane - I	18/07/2014	22.29		Continued.	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 18/Jul/2014

Position as on 6.30 Hrs of 19/Jul/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Karad - Lonikand	18/07/2014	23.48	19/07/2014	06.50	Over Voltage.
Lonikand- Koyna Stage IV	19/07/2014	01.09		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
Chitegaon-Shendra I	18/07/2014	10.37	18/07/2014	17.30	B.S.I outage at Shendra.
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 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
Aurangabad-Jalna-I	18/07/2014	11.17	18/07/2014	11.20	Master trip relay optd.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 19/Jul/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	135
Unit 7	210	145
	620	280
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	376
Unit 5	500	338
	1420	714
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	155
Unit 6	250	175
Unit 7	250	185
	1130	515
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	180
Unit 4	210	210
Unit 5	500	450
Unit 6	500	400
Unit 7	500	0
	2340	1540
Paras		
Unit 3	250	152
Unit 4	250	230
	500	382
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	170
Unit 4	210	170
Unit 5	500	400
	1340	1060
Nasik		
Unit 3	210	0
Unit 4	210	200
Unit 5	210	190
	630	390
Uran		
All Units	852	270
	852	270
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	0
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	170
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	999
WARDHA	405	170
Adani	2640	1263
Other CPPs	300	715
	4545	3147
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	4312
	3455	4312