



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

State Load Dispatch Center, Airoli

Daily system Report

for

27/Jul/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/Jul/2014 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	98.748	2807.297	1) Gujrat	-0.856	-13.019
2) Hydro	6.503	150.047	2) Madhya Pradesh	12.644	392.463
3) Gas	9.920	255.104	3) Chattisgarh	6.400	192.440
Total MSGENCO	115.171	3212.448	4) Maharashtra Net	62.929	2060.374
B) 1) JSW JAIGAD	18.915	634.045	(Incl. 765kV Solapur-Raichur)	-4.200	-105.327
2) WPCL	4.098	94.484	5) Goa	-6.931	-172.593
3) ADANI	52.430	1126.852	6) TAPS 1&2 Injection	6.145	177.092
4) Other CPP / IPP	9.655	415.247	7) RGPPL Injection	0.000	0.000
5) Wind Generation	36.068	937.796	8) Pench (Excess)	-0.354	-4.021
6) PENCH (MS)	0.354	4.088	# Total Cent. Sector	79.977	2632.736
7) SOLAR	0.670	20.292	F) Other Exchanges		
C) 1) TPCL Thermal	4.112	441.731	1) With TPCL (Excess)	-25.823	-678.630
2) TPCL Hydro	6.143	81.092	G) Bilateral Power *		
TOTAL TPCL	10.255	522.823	1) MSEDCL Bilateral	14.410	723.085
3) REL Thermal	12.535	314.311	Include PX	-0.758	88.161
D) STATE			2) MUMBAI Bilateral	21.261	657.974
1) Thermal (A1+C1+C3)	115.395	3563.339	Include PX	7.277	103.163
2) Hydro (A2+B6+C2)	13.000	235.227	3) MUMBAI Schedule	22.917	670.209
3) Gas (A3)	9.920	255.104	H) ENERGY CATERED (MUs)		
4) Wind (B5)	36.068	937.796	1) MSEDCL	291.515	8399.358
5) CPP/IPP (B1+B2+B3+B4)	85.098	2270.628	2) TPCL	30.349	956.272
6) SOLAR (B7)	0.670	20.292	3) REL	18.263	559.475
TOTAL STATE	260.151	7282.386	TOTAL STATE	340.127	9915.105

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 9 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4105	4238	4076
MSGENCO Hydro	774	115	104
MSGENCO Gas	403	407	428
MSGENCO Total Generation	5282	4760	4608
Central Sector Receipt	4038	3144	3006
WIND	1243	1658	1438
CPP / IPP	3864	3885	3415
SOLAR	48	111	0
Exchange with Mumbai	-1086	-1090	-1029
MSEDCL DEMAND MET	13413	12468	11438
Load Shedding	56	56	54
MSEDCL DEMAND	13469	12524	11492
TPCL GENERATION	346	486	294
R-INFRA GENERATION	522	523	523
TPCL+R-INFRA DEMAND	1954	2099	1846
STATE DEMAND MET	15367	14567	13284
STATE DEMAND	15423	14623	13338
Frequency (Hz)	49.96	50.03	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.27 Hz at 06:02 Hrs	49.76 Hz at 11:20 Hrs	49.97	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 27/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	3.55	73.48	163	136	160
Unit 7	3.60	97.65	170	140	165
Total	7.14	171.12			325
Bhusawal					
Unit 2	0.00	47.15	0	0	0
Unit 3	3.26	60.78	145	120	138
Unit 4	0.00	188.12	0	0	0
Unit 5	7.79	203.88	360	300	297
Total	11.05	499.94			435
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.81	85.70	163	152	163
Unit 6	5.35	122.97	250	188	250
Unit 7	4.98	121.93	230	184	220
Total	14.13	330.60			633
Chandrapur					
Unit 1	3.05	63.43	132	122	140
Unit 2	2.99	81.56	145	112	150
Unit 3	3.79	72.93	172	140	170
Unit 4	4.11	107.47	190	159	210
Unit 5	9.18	257.33	425	360	450
Unit 6	7.57	231.10	365	250	400
Unit 7	0.00	0.00	0	0	0
Total	30.69	813.82			1520
Paras					
Unit 3	3.61	109.91	163	140	190
Unit 4	4.47	86.45	202	150	250
Total	8.09	196.36			440
Khaparkheda					
Unit 1	3.73	67.04	170	140	144
Unit 2	3.53	97.50	155	140	144
Unit 3	0.00	68.89	0	0	0
Unit 4	4.30	89.62	200	165	153
Unit 5	7.64	214.13	353	270	330
Total	19.20	537.17			771
Nasik					
Unit 3	0.00	41.57	0	0	0
Unit 4	4.24	108.40	189	150	198
Unit 5	4.21	108.31	195	164	190
Total	8.45	258.27			388
Uran					
All Units	9.92	255.10	446	387	440
Total	9.92	255.10			440
PENCH (MS)					
Pench (MS)	0.35	4.09	24	0	0
Total	0.35	4.09			0
Koyna					
Stage 1-2	2.00	45.34	340	40	600
Stage 4	0.32	3.36	217	0	250
Stage 3	1.36	29.18	238	0	320
Kovna 12&4 Total	2.32	48.70			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.68	77.88			1170
Hydro					
KDPH	0.00	4.14	0	0	0
VTRNA	0.00	9.62	0	0	0
TILLARI	0.00	8.00	0	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.50	6.52	41	0	40
RNGR+BHTSA	0.03	2.42	2	1	3
BHANDARDRA	0.18	3.19	34	0	18
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.74	6.52	38	28	10
GHATGHAR	1.38	31.77	240	0	0
Total	2.82	72.17			131
Wind					
MalharPeth	1.27	27.02			
Vankuswadi	1.76	42.26			
ATIT	0.43	7.21			
Kale	0.88	20.17			
Satara	18.45	432.71			
Shirala	1.18	26.88			
K Mahankal	0.11	4.45			
Supa	0.26	7.88			
Vita	3.60	97.71			
Dondaicha	4.04	168.49			
Sakri	0.84	23.73			
Nandurbar	0.82	18.60			
Khandke	1.32	31.93			
Khaparale	1.10	28.76			
Total	36.07	937.80			
CPP					
JSW JAIGAD	18.92	634.04	907	674	825
WARDHA	4.10	94.48	174	169	180
Adani	52.43	1126.85	2390	1740	2361
Other CPPs	9.66	404.55			245
Total	85.10	2259.94			3611
SOLAR					
Total	0.67	20.29			
Total	0.67	20.29			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	283.74	0	0	0
Trombay 6	0.00	47.81	0	0	0
Trombay 7A	2.59	69.38	124	62	120
Trombay 7B	1.52	40.81	69	49	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	6.14	81.09	440	72	447
Total	10.26	522.82			627
REL					
1&2	12.54	314.31	525	519	500
Total	12.54	314.31			500
Cent Sect					
Share					4849
Total					4849
MS PG CL	Thermal	98.75	2807.30		4512
	Thml+Gas	108.67	3062.40		4952
	Hydro	6.50	150.05		1301
	Total	115.17	3212.45		6253
State Total		260.15	7282.39		15840

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/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	4175	94	418	4687	1339	3776	0	3763	3097	-733	-1024	11898	81	11979	2056	14035	49.94
2	4124	109	422	4655	1459	3537	0	3499	3391	-771	-1036	12016	54	12070	1946	14016	49.97
3	4076	104	428	4608	1438	3415	0	3322	3006	-726	-1029	11438	54	11492	1846	13338	49.95
4	4082	94	433	4609	1345	3286	0	3382	3489	-694	-1011	11718	54	11772	1792	13564	49.95
5	4106	75	435	4616	1309	3370	0	3331	3263	-688	-978	11580	54	11634	1758	13392	49.98
6	4140	219	446	4805	1259	3467	0	3496	3608	-770	-998	12141	55	12196	1802	13998	49.95
7	4195	380	444	5019	1151	3490	2	3728	3719	-978	-988	12405	57	12462	1796	14258	50.02
8	4205	385	419	5009	1115	3624	20	3830	4073	-1039	-1032	12833	57	12890	1841	14731	49.94
9	4105	774	403	5282	1243	3864	48	3789	4038	-1152	-1086	13413	56	13469	1954	15423	49.96
10	4120	942	394	5456	1306	3921	87	3749	3549	-1285	-1096	13246	55	13301	2076	15377	49.94
11	4141	485	393	5019	1484	3933	78	3843	3664	-1341	-1163	13038	55	13093	2170	15263	49.94
12	4244	348	406	4998	1555	3918	77	3772	3403	-1199	-1149	12826	56	12882	2217	15099	49.90
13	4320	111	408	4839	1601	3904	64	3500	3098	-1097	-1166	12363	110	12473	2207	14680	49.96
14	4238	115	407	4760	1658	3885	111	3460	3144	-1052	-1090	12468	56	12524	2099	14623	50.03
15	4102	110	408	4620	1713	3863	75	3473	3031	-1032	-1092	12210	55	12265	2028	14293	50.02
16	4044	120	387	4551	1812	3534	56	3528	3299	-1070	-1072	12197	54	12251	1986	14237	50.01
17	4004	115	387	4506	1823	3338	27	3211	3151	-964	-1071	11797	54	11851	1976	13827	50.02
18	4019	110	404	4533	1777	3289	15	3141	2949	-889	-1119	11467	56	11523	2035	13558	50.14
19	4083	153	404	4640	1683	3172	10	3485	3394	-906	-1130	11793	56	11849	2102	13951	49.99
20	3995	321	403	4719	1739	3204	0	3591	3471	-979	-1076	12080	56	12136	2217	14353	49.89
21	4055	416	408	4879	1676	3306	0	3492	3115	-968	-1097	11903	54	11957	2224	14181	49.88
22	4075	426	408	4909	1489	3317	0	3249	3235	-819	-1140	11834	54	11888	2231	14119	49.96
23	4059	360	424	4843	1635	3357	0	3121	3003	-885	-1119	11729	54	11783	2193	13976	49.90
24	4041	137	431	4609	1459	3328	0	3110	2787	-883	-1061	11122	54	11176	2061	13237	49.94
MUs	98.75	6.50	9.92	115.17	36.07	85.10	0.67	83.86	79.98	-22.92	-25.82	291.52	1.40	292.92	48.61	341.53	49.97

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 27/Jul/2014

Position as on 6.30 Hrs of 28/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.	
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	
Tata Trombay 6	500	12/07/2014	22.13	28/07/2014	04.08	Economic shut down	
Bhusawal Unit 2	210	18/07/2014	23.46		Continued.	Coal Shortage.	
CPP JSW (J) U2	300	20/07/2014	00.00		Continued.	No Buyer	
Khaparkhedda Unit 3	210	20/07/2014	10.30		Continued.	flame failure	
Bhusawal Unit 4	500	23/07/2014	00.03		Continued.	Boiler Tube Leakage.	
CPP VIPL U-1	300	23/07/2014	00.05		Continued.	Bunker Coal Feed Problem.	
Tata Trombay 5	500	27/07/2014	00.00		Continued.	Boiler Tube Leakage.	
CPP IPL U-2	270	27/07/2014	03.07	27/07/2014	06.40	Generator Prot.operated	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 27/Jul/2014

Position as on 6.30 Hrs of 28/Jul/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kolhapur-Solapur (PG) II	24/07/2014	09.22		Continued.	To attend Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
765 KV Seoni-Wardha-II	23/07/2014	01.38		Continued.	Over Voltage,
Dhule-Sar'Sarovar - II	23/07/2014	22.02		Continued.	Over Voltage.
Kolhapur - Mapusa - I	26/07/2014	17.24		Continued.	over voltage
Karad-Lonikand	26/07/2014	23.48	27/07/2014	6.49	over voltage
Voltage Level : 400KV			Outage Type TRIPPED		
765KV Aurangabad PG-Wardha PG-I	16/07/2014	03.52		Continued.	Over Voltage.
Dabhol-Nagothane - II	26/07/2014	03.00		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.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	26/07/2014	17.05		Continued.	over voltage
Karad-Jaigad I	26/07/2014	17.08		Continued.	over voltage
Bhusawal- Aurangabad	26/07/2014	18.55		Continued.	over voltage
Lonikand-Stage4	27/07/2014	02.02	27/07/2014	07.40	over voltage
Lonikand- Koyna Stage IV	27/07/2014	17.39		Continued.	Over Voltage
Karad - Lonikand	27/07/2014	23.59		Continued.	Over Voltage
Dabhol - Nagothane - I	28/07/2014	03.09		Continued.	Over Voltage
Padgha - Nagothane - I	28/07/2014	03.13		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 : 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.
220/100 KV,200MVA ICT - I at Padgha	18/07/2014	02.37		Continued.	Diff.Prot
Gangapur-Valve	23/07/2014	03.16		Continued.	Dist.Prot.Tower Collapse.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/Jul/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	145
	620	285
Bhusawal		
Unit 2	210	0
Unit 3	210	140
Unit 4	500	0
Unit 5	500	330
	1420	470
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	150
Unit 6	250	200
Unit 7	250	200
	1130	550
Chandrapur		
Unit 1	210	125
Unit 2	210	130
Unit 3	210	150
Unit 4	210	160
Unit 5	500	375
Unit 6	500	280
Unit 7	500	0
	2340	1220
Paras		
Unit 3	250	190
Unit 4	250	250
	500	440
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	0
Unit 4	210	200
Unit 5	500	350
	1340	890
Nasik		
Unit 3	210	0
Unit 4	210	198
Unit 5	210	190
	630	388
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	320
	1920	1170
Hydro		
KDPH	40	0
VTRNA	60	0

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	20
ELDARY	23	10
SMLHY PTN	12	0
GHATGHAR	250	0
	611	130
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	170
Adani	2640	2446
Other CPPs	300	435
	4545	3876
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	500
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	4623
	3455	4623

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