



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

State Load Dispatch Center, Airoli

Daily system Report

for

13/Jul/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 13/Jul/2014 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	102.799	1416.330	1) Gujrat	-5.878	-8.941
2) Hydro	5.622	65.302	2) Madhya Pradesh	13.070	199.197
3) Gas	13.555	125.065	3) Chattisgarh	6.950	101.570
Total MSGENCO	121.976	1606.697	4) Maharashtra Net	74.829	1098.977
B) 1) JSW JAIGAD	24.474	336.235	(Incl. 765kV Solapur-Raichur)	-4.408	-52.588
2) WPCL	4.552	36.442	5) Goa	-5.110	-84.773
3) ADANI	42.579	614.373	6) TAPS 1&2 Injection	7.270	94.278
4) Other CPP / IPP	18.279	237.517	7) RGPPL Injection	0.000	0.000
5) Wind Generation	30.964	394.345	8) Pench (Excess)	-0.043	-1.544
6) PENCH (MS)	0.043	1.544	# Total Cent. Sector	91.088	1398.764
7) SOLAR	0.999	11.745	F) Other Exchanges		
C) 1) TPCL Thermal	14.391	243.875	1) With TPCL (Excess)	-18.365	-318.688
2) TPCL Hydro	0.672	26.595	G) Bilateral Power *		
TOTAL TPCL	15.063	270.470	1) MSEDCL Bilateral	28.678	459.053
3) REL Thermal	11.971	144.541	Include PX	1.905	115.584
D) STATE			2) MUMBAI Bilateral	19.123	326.897
1) Thermal (A1+C1+C3)	129.161	1804.746	Include PX	1.365	29.294
2) Hydro (A2+B6+C2)	6.337	93.441	3) MUMBAI Schedule	19.123	335.585
3) Gas (A3)	13.555	125.065	H) ENERGY CATERED (MUs)		
4) Wind (B5)	30.964	394.345	1) MSEDCL	316.589	4318.974
5) CPP/IPP (B1+B2+B3+B4)	89.884	1224.567	2) TPCL	28.594	464.068
6) SOLAR (B7)	0.999	11.745	3) REL	16.800	269.622
TOTAL STATE	270.900	3653.909	TOTAL STATE	361.983	5052.664

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	4413	4449	4116
MSGENCO Hydro	455	267	79
MSGENCO Gas	562	556	563
MSGENCO Total Generation	5430	5272	4758
Central Sector Receipt	4691	3861	3305
WIND	1080	1369	1226
CPP / IPP	3996	3957	3673
SOLAR	133	91	0
Exchange with Mumbai	-876	-797	-663
MSEDCL DEMAND MET	14454	13753	12299
Load Shedding	54	54	53
MSEDCL DEMAND	14508	13807	12352
TPCL GENERATION	711	643	511
R-INFRA GENERATION	523	522	460
TPCL+R-INFRA DEMAND	2110	1962	1634
STATE DEMAND MET	16564	15715	13933
STATE DEMAND	16618	15769	13986
Frequency (Hz)	49.85	50.03	49.71

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.26 Hz at 17:59 Hrs	49.51 Hz at 01:07 Hrs	49.92	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 13/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	3.42	27.89	159	130	140
Unit 7	3.96	48.81	185	150	160
Total	7.38	76.70			300
Bhusawal					
Unit 2	3.46	30.55	165	130	145
Unit 3	0.00	32.23	0	0	0
Unit 4	8.44	115.16	500	265	307
Unit 5	7.27	104.40	400	200	227
Total	19.16	282.34			679
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.74	32.64	169	143	151
Unit 6	4.67	58.28	250	170	175
Unit 7	4.57	58.61	248	175	185
Total	12.98	149.54			511
Chandrapur					
Unit 1	0.02	23.19	20	0	0
Unit 2	3.61	44.84	158	136	165
Unit 3	2.68	38.66	130	101	110
Unit 4	3.32	55.34	170	88	110
Unit 5	10.31	126.18	450	375	440
Unit 6	8.95	116.46	407	355	370
Unit 7	0.00	0.00	0	0	0
Total	28.90	404.67			1195
Paras					
Unit 3	3.99	54.46	183	143	188
Unit 4	0.00	43.12	0	0	0
Total	3.99	97.57			188
Khaparkheda					
Unit 1	2.76	22.42	150	0	144
Unit 2	3.38	47.68	150	130	144
Unit 3	3.50	46.07	160	138	153
Unit 4	3.48	37.35	154	142	153
Unit 5	8.39	113.02	421	330	329
Total	21.50	266.55			923
Nasik					
Unit 3	0.00	41.57	0	0	0
Unit 4	4.44	48.59	191	170	198
Unit 5	4.45	48.80	192	173	190
Total	8.89	138.96			388
Uran					
All Units	13.56	125.06	574	556	590
Total	13.56	125.06			590
PENCH (MS)					
Pench (MS)	0.04	1.54	23	0	0
Total	0.04	1.54			0
Koyna					
Stage 1-2	1.08	21.86	80	40	600
Stage 4	0.00	0.58	0	0	250
Stage 3	0.95	7.47	160	0	320
Kovna 12&4 Total	1.08	22.44			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.03	29.92			1170
Hydro					
KDPH	0.38	3.97	16	16	16
VTRNA	0.52	6.65	61	0	61
TILLARI	0.58	0.72	64	0	59
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.15	0.78	40	0	40
RNGR+BHTSA	0.26	1.85	11	10	0
BHANDARDRA	0.20	1.06	9	8	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.12	2.92	13	3	11
GHATGHAR	1.38	17.44	240	0	0
Total	3.59	35.38			187
Wind					
MalharPeth	0.85	11.29			
Vankuswadi	1.76	21.69			
ATIT	0.28	2.76			
Kale	0.67	7.52			
Satara	15.09	168.28			
Shirala	1.02	9.17			
K Mahankal	0.10	1.00			
Supa	0.23	2.88			
Vita	3.29	36.46			
Dondaicha	4.96	88.96			
Sakri	0.70	12.22			
Nandurbar	0.54	9.79			
Khandke	0.92	10.26			
Khaparale	0.56	12.06			
Total	30.96	394.34			
CPP					
JSW JAIGAD	24.47	336.24	1128	887	994
WARDHA	4.55	36.44	191	186	656
Adani	42.58	614.37	1890	1478	1380
Other CPPs	18.28	226.82			745
Total	89.88	1213.87			3775
SOLAR					
Total	1.00	11.74			
Total	1.00	11.74			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.76	146.03	500	316	500
Trombay 6	0.00	47.81	0	0	0
Trombay 7A	2.99	31.11	126	122	120
Trombay 7B	1.64	18.92	69	68	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	0.67	26.60	150	2	447
Total	15.06	270.47			1127
REL					
1&2	11.97	144.54	524	451	500
Total	11.97	144.54			500
Cent Sect					
Share					4658
Total					4658
MS PG CL	Thermal	102.80	1416.33		4184
	Thml+Gas	116.35	1541.40		4774
	Hydro	5.62	65.30		1357
	Total	121.98	1606.70		6131
State Total		270.90	3653.91		16191

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 13/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	4108	79	562	4749	1119	3668	0	3735	3992	-706	-658	12870	81	12951	1763	14714	49.68
2	4116	79	563	4758	1226	3673	0	3302	3305	-694	-663	12299	53	12352	1634	13986	49.71
3	4116	84	567	4767	1262	3600	0	3253	3474	-734	-596	12507	53	12560	1569	14129	49.89
4	4095	94	568	4757	1295	3514	0	3291	3560	-729	-566	12560	53	12613	1540	14153	49.87
5	4086	89	560	4735	1307	3666	0	3565	3401	-736	-568	12541	53	12594	1539	14133	49.91
6	4114	83	563	4760	1390	3599	0	3957	3814	-764	-598	12965	54	13019	1575	14594	49.89
7	4107	101	570	4778	1193	3802	5	4041	4185	-793	-553	13410	55	13465	1601	15066	49.90
8	4199	158	568	4925	1150	3871	26	4076	4063	-897	-527	13508	55	13563	1671	15234	49.94
9	4271	248	560	5079	923	3866	69	4064	4347	-896	-575	13709	54	13763	1786	15549	49.94
10	4340	488	560	5388	897	3937	103	4342	4360	-938	-711	13974	53	14027	1922	15949	49.97
11	4364	459	557	5380	829	3892	121	4670	4519	-948	-832	13909	53	13962	2047	16009	49.92
12	4413	455	562	5430	1080	3996	133	4472	4691	-965	-876	14454	54	14508	2110	16618	49.85
13	4655	500	559	5714	1184	3948	132	3925	4188	-1010	-956	14210	108	14318	2129	16447	49.93
14	4701	484	568	5753	1285	3859	119	3905	3449	-978	-908	13557	55	13612	2059	15671	50.02
15	4695	458	566	5719	1298	3913	109	3912	3279	-914	-860	13458	55	13513	2006	15519	50.08
16	4449	267	556	5272	1369	3957	91	4005	3861	-783	-797	13753	54	13807	1962	15769	50.03
17	4329	192	573	5094	1497	3783	55	3887	3763	-793	-745	13447	54	13501	1955	15456	50.02
18	4237	173	574	4984	1457	3514	24	3705	3412	-786	-883	12508	55	12563	1985	14548	50.08
19	4229	172	567	4968	1631	3268	11	3648	3422	-772	-1018	12282	56	12338	1999	14337	50.02
20	4245	309	572	5126	1464	3739	1	3816	3939	-717	-970	13309	56	13365	2129	15494	49.82
21	4246	289	561	5096	1480	3699	0	3908	3794	-679	-847	13245	55	13300	2198	15498	49.87
22	4230	199	568	4997	1585	3710	0	3720	3399	-631	-825	12876	54	12930	2158	15088	49.93
23	4224	85	565	4874	1512	3752	0	3623	3505	-630	-912	12731	54	12785	2097	14882	49.90
24	4230	77	566	4873	1531	3658	0	3683	3366	-630	-921	12507	54	12561	1965	14526	49.92
MUs	102.80	5.62	13.56	121.98	30.96	89.88	1.00	92.50	91.09	-19.12	-18.36	316.59	1.38	317.97	45.40	363.37	49.92

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 13/Jul/2014

Position as on 6.30 Hrs of 14/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 WPCL U-4	135	03/04/2014	00.01		Continued.	No Schedule	
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	
Chandrapur Unit 1	210	08/07/2014	22.11	13/07/2014	21.06	Boiler Tube Leakage.	
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		Continued.	Drum level low	
Tata Trombay 6	500	12/07/2014	22.13		Continued.	Economic shut down	
Khaparkheda Unit 1	210	13/07/2014	20.18		Continued.	Governing system problem	
Chandrapur Unit 1	210	13/07/2014	22.08		Continued.	Testing and control Ckt.problem	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/Jul/2014

Position as on 6.30 Hrs of 14/Jul/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - II	11/07/2014	18.12	13/07/2014	10.07	Over Voltage.
Dhule-Sar'Sarovar - I	13/07/2014	21.36		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Talangade-Chikodi	13/07/2014	14.00	13/07/2014	15.55	Tripped only Chikodi End
Nasik-Navsari-I	13/07/2014	4.43	13/07/2014	12.22	distance protection
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.
Kalwa-Padgha II	13/07/2014	07.45	13/07/2014	17.13	Hot Spot
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.
220/132KV,200 MVA ICT-I at Dhule	12/07/2014	10.19		Continued.	OLTC oil filtration work
Chandrapur - Warora	13/07/2014	07.00	13/07/2014	17.51	OPGW Work
Chandrapur-Wani	13/07/2014	07.01	13/07/2014	18.04	OPGW Work
Paranda - Barshi	13/07/2014	09.43	13/07/2014	16.20	Tightening of Nut Bolts
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	12/07/2014	16.08	13/07/2014	09.58	Over voltage
Karad-Jaigad I	12/07/2014	17.06	13/07/2014	10.13	Over voltage
Bhusawal- Aurangabad	12/07/2014	17.09		Continued.	Over voltage
Lonikand-Stage4	12/07/2014	22.25	13/07/2014	09.34	over voltage
Karad - Kolhapur - I	13/07/2014	16.12		Continued.	Over Voltage
Karad-Jaigad I	13/07/2014	16.27		Continued.	Over Voltage
Lonikand- Koyna Stage IV	13/07/2014	22.46		Continued.	Over Voltage
New Koyna - Karad - I	14/07/2014	02.52		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		
400 KV TBC @ Lonikand	12/07/2014	7.36		Continued.	y-ph ct bust due to this all line and equip
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.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 13/Jul/2014

Position as on 6.30 Hrs of 14/Jul/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Lonikand-Ranjangaon	12/07/2014	21.30	13/07/2014	5.15	distance protection
220/132 KV 200 MVA ICT - I @ Nanded	13/07/2014	17.57	13/07/2014	20.12	132KV Bus Bar Prot.operated
220/132 KV,200 MVA ICT -II At Nanded	13/07/2014	17.57	13/07/2014	18.29	132KV Bus Bar Prot.operated
220/132KV,200MVA ICT.III at Nanded	13/07/2014	17.57	13/07/2014	18.35	132KV Bus Bar Prot.operated
Voltage Level : 132KV			Outage Type TRIPPED		
Main Bus @ Nanded	13/07/2014	17.57	13/07/2014	18.45	Bus Bar Prot.operated
Nanded - Ardhapur	13/07/2014	17.57	13/07/2014	19.03	132KV Bus Bar Prot.operated
Nanded - Umri	13/07/2014	17.57	13/07/2014	19.54	132KV Bus Bar Prot.operated
Nanded-Jagamwadi-II	13/07/2014	17.57	13/07/2014	20.25	132KV Bus Bar Prot.operated
Nanded - Tamsa	13/07/2014	17.57	13/07/2014	19.23	132KV Bus Bar Prot.operated
Nanded - Elichpur	13/07/2014	17.57	13/07/2014	20.04	132KV Bus Bar Prot.operated
Nanded - Jangamwadi - I	13/07/2014	17.57	13/07/2014	18.59	132KV Bus Bar Prot.operated
Waghala-Umri II	13/07/2014	17.57	13/07/2014	18.59	132KV Bus Bar Prot.operated

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 14/Jul/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	160
Unit 7	210	160
	620	320
Bhusawal		
Unit 2	210	125
Unit 3	210	0
Unit 4	500	376
Unit 5	500	338
	1420	839
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	150
Unit 6	250	185
Unit 7	250	185
	1130	520
Chandrapur		
Unit 1	210	0
Unit 2	210	160
Unit 3	210	160
Unit 4	210	210
Unit 5	500	450
Unit 6	500	400
Unit 7	500	0
	2340	1380
Paras		
Unit 3	250	182
Unit 4	250	0
	500	182
Khaparkheda		
Unit 1	210	0
Unit 2	210	160
Unit 3	210	170
Unit 4	210	170
Unit 5	500	350
	1340	850
Nasik		
Unit 3	210	0
Unit 4	210	198
Unit 5	210	190
	630	388
Uran		
All Units	852	590
	852	590
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	16
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	10
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	200
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	1090
WARDHA	405	656
Adani	2640	1380
Other CPPs	300	745
	4545	3871
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	4825
	3455	4825