



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

State Load Dispatch Center, Airoli

Daily system Report

for

25/Aug/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 25/Aug/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	86.580	2165.569	1) Gujrat	5.776	134.706
2) Hydro	17.859	420.255	2) Madhya Pradesh	10.023	333.953
3) Gas	10.101	205.541	3) Chattisgarh	6.200	157.640
Total MSGENCO	114.540	2791.365	4) Maharashtra Net	76.145	1937.417
B) 1) JSW JAIGAD	21.608	479.574	(Incl. 765kV Solapur-Raichur)	-1.900	-172.994
2) WPCL	4.889	119.727	5) Goa	-6.647	-150.859
3) ADANI	57.482	1115.105	6) TAPS 1&2 Injection	7.365	184.631
4) Other CPP / IPP	20.796	430.824	7) RGPPL Injection	0.000	0.000
5) Wind Generation	4.598	540.229	8) Pench (Excess)	-0.691	-8.316
6) PENCH (MS)	0.691	8.316	# Total Cent. Sector	98.171	2589.172
7) SOLAR	0.784	20.829	F) Other Exchanges		
C) 1) TPCL Thermal	15.961	374.239	1) With TPCL (Excess)	-29.399	-598.485
2) TPCL Hydro	7.646	119.508	G) Bilateral Power *		
TOTAL TPCL	23.607	493.747	1) MSEDCL Bilateral	27.946	739.828
3) REL Thermal	6.296	295.121	Include PX	0.239	128.529
D) STATE			2) MUMBAI Bilateral	24.166	560.298
1) Thermal (A1+C1+C3)	108.837	2834.929	Include PX	0.547	37.954
2) Hydro (A2+B6+C2)	26.196	548.079	3) MUMBAI Schedule	30.947	576.923
3) Gas (A3)	10.101	205.541	H) ENERGY CATERED (MUs)		
4) Wind (B5)	4.598	540.229	1) MSEDCL	294.160	7496.656
5) CPP/IPP (B1+B2+B3+B4)	104.775	2145.230	2) TPCL	37.922	879.369
6) SOLAR (B7)	0.784	20.829	3) REL	21.378	507.983
TOTAL STATE	255.291	6294.837	TOTAL STATE	353.460	8884.008

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	3704	3726	3395
MSGENCO Hydro	1731	1285	253
MSGENCO Gas	415	414	432
MSGENCO Total Generation	5850	5425	4080
Central Sector Receipt	4484	4306	3605
WIND	28	228	45
CPP / IPP	4285	4355	4355
SOLAR	137	99	0
Exchange with Mumbai	-1649	-1538	-756
MSEDCL DEMAND MET	13162	12875	11356
Load Shedding	616	708	220
MSEDCL DEMAND	13778	13583	11576
TPCL GENERATION	1140	1131	668
R-INFRA GENERATION	263	261	263
TPCL+R-INFRA DEMAND	3052	2930	1687
STATE DEMAND MET	16214	15805	13043
STATE DEMAND	16830	16513	13263
Frequency (Hz)	49.97	49.97	49.82

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.2 Hz at 06:01 Hrs	49.58 Hz at 05:17 Hrs	49.91	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 25/Aug/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	3.27	56.23	165	115	140
Unit 7	3.54	80.42	175	115	150
Total	6.81	136.65			290
Bhusawal					
Unit 2	2.08	25.66	145	0	100
Unit 3	3.17	67.93	145	120	123
Unit 4	0.00	39.45	0	0	0
Unit 5	10.00	208.58	445	360	427
Total	15.25	341.62			650
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	3.88	0	0	0
Unit 7	0.00	2.03	0	0	0
Total	0.00	5.91			0
Chandrapur					
Unit 1	2.57	71.30	116	99	115
Unit 2	0.00	79.28	0	0	0
Unit 3	3.86	77.04	169	133	170
Unit 4	0.00	66.15	0	0	0
Unit 5	9.09	187.68	430	244	425
Unit 6	7.97	173.42	385	240	300
Unit 7	8.04	177.38	405	262	350
Total	31.53	832.26			1360
Paras					
Unit 3	0.00	36.95	0	0	0
Unit 4	4.93	123.80	226	192	230
Total	4.93	160.76			230
Khaparkheda					
Unit 1	3.16	51.76	150	90	170
Unit 2	3.16	65.56	155	115	170
Unit 3	3.52	96.00	163	138	170
Unit 4	3.49	94.86	156	132	170
Unit 5	6.99	147.02	347	250	325
Total	20.31	455.20			1005
Nasik					
Unit 3	3.88	44.50	170	155	190
Unit 4	3.87	92.84	177	140	190
Unit 5	0.00	95.84	0	0	0
Total	7.75	233.18			380
Uran					
All Units	10.10	205.54	434	408	420
Total	10.10	205.54			420
PENCH (MS)					
Pench (MS)	0.69	8.32	51	0	0
Total	0.69	8.32			0
Koyna					
Stage 1-2	4.94	108.96	530	40	600
Stage 4	8.50	158.90	911	0	250
Stage 3	3.21	70.21	320	0	320
Kovna 12&4 Total	13.44	267.85			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	16.65	338.06			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	6.46	0	0	0
TILLARI	0.00	13.70	0	0	58
BHTGR/VEER	0.08	2.74	4	3	5
BHIRA T.R.	0.44	9.74	42	0	40
RNGR+BHTSA	0.00	0.85	0	0	0
BHANDARDRA	0.47	11.42	27	15	10
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.21	19.53	16	6	10
GHATGHAR	0.00	17.76	0	0	0
Total	1.20	82.19			123
Wind					
MalharPeth	0.12	16.75			
Vankuswadi	0.22	28.37			
ATIT	0.03	4.13			
Kale	0.09	11.97			
Satara	1.93	255.71			
Shirala	0.10	16.33			
K Mahankal	0.01	1.61			
Supa	0.07	4.99			
Vita	0.31	54.15			
Dondaicha	1.03	78.16			
Sakri	0.10	16.24			
Nandurbar	0.21	14.60			
Khandke	0.20	19.73			
Khaparale	0.18	17.50			
Total	4.60	540.23			
CPP					
JSW JAIGAD	21.61	479.57	905	885	824
WARDHA	4.89	119.73	211	177	210
Adani	57.48	1115.10	2496	2268	2456
Other CPPs	20.80	410.78			745
Total	104.78	2125.19			4235
SOLAR					
Total	0.78	20.06			
Total	0.78	20.06			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.96	275.92	503	493	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.48	61.49	115	79	120
Trombay 7B	1.51	36.83	67	55	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	7.65	119.51	459	0	447
Total	23.61	493.75			1127
REL					
1&2	6.30	295.12	263	260	250
Total	6.30	295.12			250
Cent Sect					
Share					4181
Total					4181
MS PG CL	Thermal	86.58	2165.57		3915
	Thml+Gas	96.68	2371.11		4335
	Hydro	17.86	420.26		1293
	Total	114.54	2791.36		5628
State Total		255.29	6294.84		15421

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 25/Aug/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	3231	907	430	4568	112	4328	0	3542	3632	-896	-804	11860	65	11925	2031	13956	49.86
2	3161	677	434	4272	98	4350	0	3525	3652	-785	-697	11702	156	11858	1860	13718	49.90
3	3208	452	431	4091	100	4345	0	3514	3555	-726	-652	11466	171	11637	1758	13395	49.89
4	3229	330	434	3993	59	4371	0	3598	3713	-825	-767	11396	181	11577	1694	13271	49.88
5	3395	253	432	4080	45	4355	0	3621	3605	-832	-756	11356	220	11576	1687	13263	49.82
6	3511	440	421	4372	28	4402	0	3663	3896	-876	-847	11878	405	12283	1776	14059	49.79
7	3587	516	424	4527	30	4364	2	3721	3605	-1011	-1078	11500	830	12330	1976	14306	49.93
8	3706	390	424	4520	28	4381	27	3784	4004	-1175	-1159	11852	848	12700	2130	14830	49.96
9	3795	592	418	4805	37	4395	60	3972	4175	-1304	-1186	12336	727	13063	2437	15500	49.82
10	3775	1361	410	5546	40	4364	88	4063	4318	-1502	-1410	12996	458	13454	2776	16230	49.84
11	3781	1734	410	5925	83	4354	104	4249	4303	-1712	-1613	13183	476	13659	3007	16666	49.87
12	3704	1731	415	5850	28	4285	137	4370	4484	-1774	-1649	13162	616	13778	3052	16830	49.97
13	3729	1418	416	5563	70	4316	145	4324	4454	-1720	-1646	12922	785	13707	3049	16756	49.90
14	3726	1285	414	5425	228	4355	99	4111	4306	-1599	-1538	12875	708	13583	2930	16513	49.97
15	3695	1166	408	5269	501	4337	54	4089	4149	-1597	-1553	12757	600	13357	2944	16301	49.89
16	3702	1143	416	5261	357	4469	41	4241	4096	-1617	-1547	12677	470	13147	2940	16087	49.84
17	3689	988	414	5091	300	4464	19	4270	4148	-1589	-1521	12501	432	12933	2916	15849	49.96
18	3698	247	422	4367	326	4433	8	4137	4206	-1560	-1489	11851	565	12416	2851	15267	49.99
19	3740	282	419	4441	400	4315	0	4183	4526	-1509	-1413	12276	307	12583	2803	15386	49.93
20	3714	751	418	4883	423	4252	0	4324	4167	-1467	-1402	12373	296	12669	2798	15467	49.95
21	3701	628	422	4751	442	4385	0	4283	4405	-1366	-1297	12736	140	12876	2674	15550	49.97
22	3758	384	423	4565	323	4391	0	4164	4345	-1245	-1199	12475	74	12549	2538	15087	50.00
23	3706	119	423	4248	256	4351	0	4147	4209	-1198	-1151	11963	37	12000	2418	14418	49.95
24	3639	65	423	4127	284	4413	0	3994	4218	-1062	-1025	12067	29	12096	2257	14353	49.97
MUs	86.58	17.86	10.10	114.54	4.60	104.78	0.78	95.89	98.17	-30.95	-29.40	294.16	9.60	303.76	59.30	363.06	49.91

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 25/Aug/2014

Position as on 6.30 Hrs of 26/Aug/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	
Bhusawal Unit 4	500	06/08/2014	13.56		Continued.	converted to AOH from 7/08/14	15/09/2014
Paras Unit 3	250	11/08/2014	14.08		Continued.	Annual Overhauling	
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.	Coal Shortage	
Parli Unit 4	210	29/06/2014	10.19		Continued.	Water Shortage	
Parli Unit 5	210	30/07/2014	00.02		Continued.	Water Shortage.	
Tata Trombay 6	500	31/07/2014	21.34		Continued.	Economic Shut down.	
Parli Unit 7	250	01/08/2014	10.10		Continued.	Water Shortage.	
Parli Unit 6	250	01/08/2014	19.08		Continued.	Water Shortage.	
Uran Unit 6	108	07/08/2014	05.45		Continued.	Non Availability of AO.	
Chandrapur Unit 4	210	18/08/2014	07.44		Continued.	Boiler Tube Leakage	
Bhusawal Unit 2	210	23/08/2014	04.12	25/08/2014	05.57	flame failure	
REL 2	250	23/08/2014	18.32		Continued.	Over Speed prot.	
Nasik Unit 5	210	23/08/2014	19.30		Continued.	Feed water valve leakage.	
CPP JSW (J) U1	300	23/08/2014	19.49		Continued.	Condenser T/L.	
CPP IPL U-2	270	23/08/2014	23.15		Continued.	Coal Shortage.	
Chandrapur Unit 2	210	24/08/2014	21.28		Continued.	Boiler Tube Leakage.	
Koyna ST - IV 3	250	25/08/2014	01.25	25/08/2014	05.45	D C Supply Fail.	
Koyna ST - IV 4	250	25/08/2014	01.38	25/08/2014	06.20	Lower Labyrinth Temp.High.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 25/Aug/2014

Position as on 6.30 Hrs of 26/Aug/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Nasik Unit 4	210	26/08/2014	02.30	26/08/2014	06.05	BTR Coil Replacement.	
Bhusawal Unit 2	210	26/08/2014	04.12		Continued.	Flame Failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Aug/2014

Position as on 6.30 Hrs of 26/Aug/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		
Wardha(PG) - Warora - II	25/08/2014	18.19	25/08/2014	19.04	Filling of Gas.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dabhol-Nagothane - II	19/08/2014	13.54		Continued.	Over Voltage.
Kolhapur - Mapusa - II	23/08/2014	17.50		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
NASIK-NAVSARI-II	25/08/2014	17.31	25/08/2014	20.54	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.
400/220KV,315 MVA ICT-I At Lonikand.	25/08/2014	11.52	25/08/2014	14.17	Emergency Outage low oil level.
400/220 KV 315 MVA ICT-II @ Nagothane.	25/08/2014	12.10	25/08/2014	14.33	Emergency outage.
Wardha-Warora-II	25/08/2014	18.19	25/08/2014	19.04	Gas Filling work at Wardha.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Mumewadi-Hamidwada	25/08/2014	10.02	25/08/2014	12.25	For Attending oil leakage B Ph coupling capacitor.
Ambazari-Amravati	25/08/2014	11.02	25/08/2014	14.22	For Capacitance and Tan Delta of CT cc and Routine maintainance work.
220/100KV 100MVA ICT-I at Vasai	25/08/2014	14.21	25/08/2014	17.15	Commissioning of fire fightinging sys. sergi.
Jejuri - Baramati	25/08/2014	17.18	25/08/2014	18.46	Emergency outage to attend Hot Spot on R Ph CT.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Jaigad I	21/08/2014	16.05		Continued.	Over Voltage.
Bhusawal- Aurangabad	21/08/2014	17.36	25/08/2014	09.31	Over Voltage.
Karad - Kolhapur - II	23/08/2014	16.42	25/08/2014	09.10	Over Voltage.
Lonikand- Koyna Stage IV	24/08/2014	23.23	25/08/2014	07.15	Over Voltage.
New Koyna - Dabhol - I	25/08/2014	01.25		Continued.	Over Voltage.
Akola - II - Akola - I	25/08/2014	15.21	25/08/2014	16.45	Due to Sparking Observed in Yard.
Karad - Kolhapur - II	25/08/2014	19.06		Continued.	Over Voltage.
Bhusawal- Aurangabad	25/08/2014	19.07		Continued.	Over Voltage.
Lonikand-Stage4	25/08/2014	23.32		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Parli - Solapur	26/08/2014	02.45	26/08/2014	04.35	Distance Protection.
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

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 25/Aug/2014

Position as on 6.30 Hrs of 26/Aug/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					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
Chinchwad - Parvati	25/08/2014	05.17	25/08/2014	05.30	Distance Protection,R Ph to Earth.
Voltage Level : 132KV			Outage Type TRIPPED		
Paithan-Rajpimpri	23/08/2014	17.44		Continued.	R-Ph PT Fuse failed.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 26/Aug/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	165
Unit 7	210	170
	620	335
Bhusawal		
Unit 2	210	0
Unit 3	210	135
Unit 4	500	0
Unit 5	500	425
	1420	560
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	110
Unit 2	210	0
Unit 3	210	175
Unit 4	210	0
Unit 5	500	290
Unit 6	500	300
Unit 7	500	350
	2340	1225
Paras		
Unit 3	250	0
Unit 4	250	250
	500	250
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
Unit 5	500	325
	1340	1005
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	0
	630	380
Uran		
All Units	852	430
	852	430
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	5
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	15
ELDARY	23	0
SMLHY PTN	12	20
GHATGHAR	250	
	611	140
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	215
Adani	2640	2446
Other CPPs	300	745
	4545	4231
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	250
	500	250
Cent Sect		
Share	3455	4560
	3455	4560