



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

State Load Dispatch Center, Airoli

Daily system Report

for

11/Aug/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 11/Aug/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	91.590	935.150	1) Gujrat	7.354	23.356
2) Hydro	24.297	142.738	2) Madhya Pradesh	16.311	146.323
3) Gas	6.645	94.313	3) Chattisgarh	6.440	66.290
Total MSGENCO	122.532	1172.201	4) Maharashtra Net	88.762	740.815
B) 1) JSW JAIGAD	18.357	192.012	(Incl. 765kV Solapur-Raichur)	-7.516	-89.807
2) WPCL	4.909	51.638	5) Goa	-5.502	-61.958
3) ADANI	30.503	501.411	6) TAPS 1&2 Injection	7.408	81.537
4) Other CPP / IPP	12.985	138.572	7) RGPPL Injection	0.000	0.000
5) Wind Generation	20.088	352.667	8) Pench (Excess)	-0.443	-2.042
6) PENCH (MS)	0.443	2.042	# Total Cent. Sector	120.330	994.321
7) SOLAR	0.953	9.324	F) Other Exchanges		
C) 1) TPCL Thermal	15.666	166.353	1) With TPCL (Excess)	-23.814	-253.296
2) TPCL Hydro	5.758	46.830	G) Bilateral Power *		
TOTAL TPCL	21.424	213.183	1) MSEDCL Bilateral	31.874	172.740
3) REL Thermal	12.537	134.655	Include PX	10.573	-44.139
D) STATE			2) MUMBAI Bilateral	22.811	222.754
1) Thermal (A1+C1+C3)	119.793	1236.158	Include PX	1.319	21.980
2) Hydro (A2+B6+C2)	30.498	191.610	3) MUMBAI Schedule	23.012	223.254
3) Gas (A3)	6.645	94.313	H) ENERGY CATERED (MUs)		
4) Wind (B5)	20.088	352.667	1) MSEDCL	307.286	3160.892
5) CPP/IPP (B1+B2+B3+B4)	66.754	883.633	2) TPCL	36.247	376.363
6) SOLAR (B7)	0.953	9.324	3) REL	21.527	224.779
TOTAL STATE	244.731	2767.705	TOTAL STATE	365.060	3762.034

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4035	4071	3596
MSGENCO Hydro	1651	1488	87
MSGENCO Gas	276	271	281
MSGENCO Total Generation	5962	5830	3964
Central Sector Receipt	5451	4920	5036
WIND	764	898	761
CPP / IPP	2844	3109	2342
SOLAR	122	73	0
Exchange with Mumbai	-1395	-1318	-505
MSEDCL DEMAND MET	13775	13539	11598
Load Shedding	55	52	50
MSEDCL DEMAND	13830	13591	11648
TPCL GENERATION	1072	1023	669
R-INFRA GENERATION	522	523	523
TPCL+R-INFRA DEMAND	2989	2864	1697
STATE DEMAND MET	16764	16403	13295
STATE DEMAND	16819	16455	13345
Frequency (Hz)	49.91	49.86	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.16 Hz at 06:02 Hrs	49.87 Hz at 19:24 Hrs	49.9	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 11/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	2.98	31.78	143	85	145
Unit 7	2.79	31.93	155	80	150
Total	5.78	63.71			295
Bhusawal					
Unit 2	1.06	1.06	125	0	0
Unit 3	3.18	25.56	155	115	143
Unit 4	0.00	39.45	0	0	0
Unit 5	9.46	79.04	410	345	405
Total	13.69	145.10			548
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	2.95	32.30	126	118	135
Unit 2	3.17	33.96	144	106	150
Unit 3	1.95	34.87	159	0	170
Unit 4	3.93	40.29	183	146	210
Unit 5	7.56	59.41	420	175	450
Unit 6	6.52	86.33	350	190	400
Unit 7	6.80	60.22	368	230	400
Total	32.87	347.38			1915
Paras					
Unit 3	2.29	36.95	180	0	170
Unit 4	5.24	51.88	227	209	230
Total	7.53	88.83			400
Khaparkheda					
Unit 1	1.56	29.42	150	0	0
Unit 2	3.66	17.41	165	135	170
Unit 3	4.12	42.86	195	154	180
Unit 4	4.46	42.10	197	156	180
Unit 5	7.41	59.14	360	200	350
Total	21.22	190.93			880
Nasik					
Unit 3	1.84	2.04	110	0	0
Unit 4	4.28	45.01	190	156	190
Unit 5	4.38	46.25	197	175	190
Total	10.50	93.29			380
Uran					
All Units	6.64	94.31	290	269	280
Total	6.64	94.31			280
PENCH (MS)					
Pench (MS)	0.44	2.04	47	0	0
Total	0.44	2.04			0
Koyna					
Stage 1-2	6.12	37.12	460	40	600
Stage 4	9.55	34.30	760	0	250
Stage 3	4.09	24.38	310	0	320
Kovna 12&4 Total	15.68	71.42			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	19.77	95.79			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.57	2.52	61	0	61
TILLARI	0.65	8.81	61	0	60
BHTGR/VEER	0.22	0.95	9	9	11
BHIRA T.R.	0.39	4.29	80	0	40
RNGR+BHTSA	0.02	0.61	1	0	0
BHANDARDRA	0.04	6.83	16	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.84	10.76	42	32	9
GHATGHAR	1.79	12.18	240	0	0
Total	4.53	46.95			181
Wind					
MalharPeth	0.55	11.56			
Vankuswadi	0.82	19.67			
ATIT	0.13	2.96			
Kale	0.38	8.72			
Satara	9.07	171.53			
Shirala	0.50	11.96			
K Mahankal	0.04	1.14			
Supa	0.13	3.15			
Vita	1.95	36.36			
Dondaicha	3.52	43.68			
Sakri	0.80	9.65			
Nandurbar	0.68	8.81			
Khandke	0.72	12.30			
Khaparale	0.78	11.18			
Total	20.09	352.67			
CPP					
JSW JAIGAD	18.36	192.01	903	517	823
WARDHA	4.91	51.64	212	182	210
Adani	30.50	501.41	1372	1201	1296
Other CPPs	12.98	138.57			250
Total	66.75	883.63			2579
SOLAR					
Total	0.95	9.32			
Total	0.95	9.32			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.89	120.70	502	450	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.33	29.20	100	89	120
Trombay 7B	1.45	16.46	62	57	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.76	46.83	441	72	447
Total	21.42	213.18			1127
REL					
1&2	12.54	134.66	524	520	500
Total	12.54	134.66			500
Cent Sect					
Share					5693
Total					5693
MS PG CL	Thermal	91.59	935.15		4418
	Thml+Gas	98.24	1029.46		4698
	Hydro	24.30	142.74		1351
	Total	122.53	1172.20		6049
State Total		244.73	2767.70		15948

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 11/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	3542	270	285	4097	940	2423	0	4940	4996	-608	-687	11769	77	11846	1927	13773	49.94
2	3583	151	289	4023	834	2328	0	4937	5088	-592	-530	11743	50	11793	1773	13566	49.99
3	3596	87	281	3964	761	2342	0	4637	5036	-586	-505	11598	50	11648	1697	13345	49.98
4	3679	112	289	4080	660	2328	0	4746	5009	-610	-413	11664	50	11714	1644	13358	49.98
5	3708	263	290	4261	609	2337	0	4682	5139	-610	-394	11952	52	12004	1634	13638	49.89
6	3721	651	281	4653	642	2345	0	4632	4974	-647	-509	12105	54	12159	1747	13906	49.97
7	3751	1343	280	5374	604	2397	4	4697	5357	-709	-649	13087	56	13143	1900	15043	49.96
8	3750	1748	280	5778	633	2495	34	4777	5198	-800	-783	13355	56	13411	2065	15476	49.95
9	3719	1852	271	5842	675	2640	65	4991	5311	-1033	-1061	13472	53	13525	2336	15861	49.92
10	3723	1970	270	5963	799	2706	103	5355	5318	-1055	-1191	13718	50	13768	2735	16503	49.80
11	3877	1840	270	5987	760	2759	114	5434	5127	-1182	-1378	13396	50	13446	2956	16402	49.84
12	4035	1651	276	5962	764	2844	122	5242	5451	-1196	-1395	13775	55	13830	2989	16819	49.91
13	4127	1362	273	5762	715	2895	131	4793	5266	-1172	-1427	13369	106	13475	2982	16457	50.00
14	4154	1360	269	5783	770	3014	100	4602	4824	-1165	-1310	13203	56	13259	2879	16138	49.91
15	4092	1399	270	5761	710	2889	132	4916	5131	-1083	-1297	13353	53	13406	2895	16301	49.76
16	4071	1488	271	5830	898	3109	73	5016	4920	-1088	-1318	13539	52	13591	2864	16455	49.86
17	3991	1086	272	5349	1193	3051	49	4768	4946	-1277	-1322	13286	54	13340	2880	16220	49.94
18	4092	310	274	4676	1094	3013	21	4746	4439	-1331	-1302	11961	56	12017	2822	14839	49.97
19	4083	268	277	4628	1063	3101	5	4780	4762	-1234	-1254	12332	57	12389	2720	15109	49.91
20	3954	685	273	4912	942	3234	0	5184	5313	-1093	-1100	13334	58	13392	2715	16107	49.75
21	3718	955	273	4946	898	3247	0	5007	5048	-1080	-1044	13141	56	13197	2629	15826	49.80
22	3594	1232	277	5103	993	3134	0	4618	4749	-1086	-1027	12999	52	13051	2467	15518	49.83
23	3489	1099	274	4862	1059	3207	0	4323	4591	-953	-997	12768	51	12819	2326	15145	49.77
24	3541	1115	280	4936	1072	2916	0	4413	4337	-822	-921	12367	51	12418	2193	14611	49.93
MUs	91.59	24.30	6.65	122.53	20.09	66.75	0.95	116.24	120.33	-23.01	-23.81	307.29	1.36	308.64	57.78	366.42	49.90

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 11/Aug/2014

Position as on 6.30 Hrs of 12/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	
Koyna ST - IV 3	250	07/07/2014	09.00		Continued.	Annual Overhaul	23/08/2014
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.	Water Shortage	
Bhusawal Unit 2	210	18/07/2014	23.46	11/08/2014	13.20	Coal Shortage.	
CPP JSW (J) U2	300	20/07/2014	00.00		Continued.	No Buyer	
CPP VIPL U-1	300	23/07/2014	00.05	11/08/2014	14.35	Bunker Coal Feed Problem.	
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.	
Bhusawal Unit 4	500	06/08/2014	13.56		Continued.	Boiler Tube Leakage.	
Uran Unit A0	120	07/08/2014	05.45		Continued.	Main X'mer Bucholz.	
Uran Unit 6	108	07/08/2014	05.45		Continued.	Non Availability of AO.	
Uran Unit 5	108	07/08/2014	11.19		Continued.	Gas Shortage.	
Khaparkheda Unit 1	210	09/08/2014	00.42	11/08/2014	11.01	BTL.	
CPP Adani U-4	660	09/08/2014	01.08		Continued.	Coal Shortage.	
CPP IPL U-2	270	10/08/2014	16.04	11/08/2014	10.40	B.T.Pump Problem	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 11/Aug/2014

Position as on 6.30 Hrs of 12/Aug/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Nasik Unit 3	210	10/08/2014	21.10	11/08/2014	02.45	UAT Differential	
Khaparkheda Unit 1	210	11/08/2014	11.12	11/08/2014	12.14	Tripped while changing Aux.Supply	
Chandrapur Unit 3	210	11/08/2014	13.39		Continued.	Boiler Tube Leakage	
Paras Unit 3	250	11/08/2014	14.08		Continued.	Air Heater Problem	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/Aug/2014

Position as on 6.30 Hrs of 12/Aug/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dabhol-Nagothane-II	29/07/2014	00.05		Continued.	Over Voltage
Kolhapur - Mapusa - I	06/08/2014	17.08		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	09/08/2014	20.25	11/08/2014	10.40	over voltage
Dhule-Sar'Sarovar - I	10/08/2014	01.00	11/08/2014	10.26	over voltage
Kolhapur-Solapur(PGCIL)-I	11/08/2014	16.40		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	11/08/2014	23.45		Continued.	Over Voltage
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC POLE I -CHDPR	11/08/2014	13.09		Continued.	A.M.work(For 5 Days)
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.
400/220 KV 500 MVA ICT-II at Lamboti	11/08/2014	09.52	11/08/2014	17.55	Hot Spot
Akola-II - Taptithanda	11/08/2014	14.16	11/08/2014	17.51	Repl.of R Phase Jump
400/220 KV 315 MVA ICT-I @ Nagothane	11/08/2014	15.30	11/08/2014	18.40	Hot Spot
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chikhali - Jalna - II	11/08/2014	08.01	11/08/2014	18.26	Rectification work of Line such as Jumper Tightening
Chikhali - Jalna - I	11/08/2014	08.05	11/08/2014	18.38	Rectification work of Line such as Jumper Tightening
Nivali-Pawas	11/08/2014	09.52	11/08/2014	17.55	Maint.work
Lonand - SonaAlloys	11/08/2014	10.50	11/08/2014	19.30	Repl.of Line Isolator
220/132KV 150 MVA ICT II @ Nasik	11/08/2014	11.22	11/08/2014	14.20	CTR NIS Work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Jaigad I	28/07/2014	17.01	12/08/2014	01.17	Over Voltage
Bhusawal- Aurangabad	09/08/2014	23.02	11/08/2014	10.46	Over Voltage
Karad - Kolhapur - II	10/08/2014	13.10		Continued.	Over Voltage
Lonikand-Karad	10/08/2014	16.48	11/08/2014	09.35	Over Voltage
Lonikand- Koyna Stage IV	10/08/2014	17.24	11/08/2014	08.13	Over Voltage
Bhusawal- Aurangabad	11/08/2014	17.56		Continued.	Over Voltage
Lonikand-Karad	12/08/2014	00.37		Continued.	Over Voltage
Lonikand- Koyna Stage IV	12/08/2014	01.22	12/08/2014	05.48	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Nagothane-Dabhol-I	10/08/2014	06.02		Continued.	over voltage
New Koyna - Dabhol - I	10/08/2014	13.01		Continued.	Over Voltage
Karad-Jaigad II	11/08/2014	23.17		Continued.	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)

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 11/Aug/2014

Position as on 6.30 Hrs of 12/Aug/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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.
Padgha-Kamba	11/08/2014	04.20	11/08/2014	04.58	Tripped at Kamba end only

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 12/Aug/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	140
	620	290
Bhusawal		
Unit 2	210	125
Unit 3	210	135
Unit 4	500	0
Unit 5	500	325
	1420	585
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	135
Unit 2	210	140
Unit 3	210	0
Unit 4	210	190
Unit 5	500	400
Unit 6	500	380
Unit 7	500	350
	2340	1595
Paras		
Unit 3	250	0
Unit 4	250	210
	500	210
Khaparkheda		
Unit 1	210	150
Unit 2	210	170
Unit 3	210	180
Unit 4	210	180
Unit 5	500	350
	1340	1030
Nasik		
Unit 3	210	100
Unit 4	210	190
Unit 5	210	190
	630	480
Uran		
All Units	852	280
	852	280
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	5
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	5
ELDARY	23	
SMLHY PTN	12	10
GHATGHAR	250	
	611	181
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	824
WARDHA	405	210
Adani	2640	1296
Other CPPs	300	745
	4545	3075
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	5546
	3455	5546