



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Aug/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Aug/2014 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	85.436	1285.827	1) Gujrat	4.672	62.414
2) Hydro	8.035	194.615	2) Madhya Pradesh	14.458	204.696
3) Gas	6.440	120.475	3) Chattisgarh	6.510	91.680
Total MSGENCO	99.911	1600.917	4) Maharashtra Net	79.947	1087.235
B) 1) JSW JAIGAD	15.375	265.950	(Incl. 765kV Solapur-Raichur)	-11.919	-126.490
2) WPCL	4.185	70.852	5) Goa	-5.203	-85.726
3) ADANI	38.934	642.791	6) TAPS 1&2 Injection	7.333	110.971
4) Other CPP / IPP	16.832	214.202	7) RGPPL Injection	0.000	0.000
5) Wind Generation	30.814	472.768	8) Pench (Excess)	-0.661	-3.971
6) PENCH (MS)	0.661	3.971	# Total Cent. Sector	107.056	1467.299
7) SOLAR	0.770	12.758	F) Other Exchanges		
C) 1) TPCL Thermal	13.074	226.817	1) With TPCL (Excess)	-22.715	-350.428
2) TPCL Hydro	0.469	63.927	G) Bilateral Power *		
TOTAL TPCL	13.543	290.744	1) MSEDCL Bilateral	29.867	319.377
3) REL Thermal	11.754	184.017	Include PX	6.505	9.634
D) STATE			2) MUMBAI Bilateral	21.080	321.738
1) Thermal (A1+C1+C3)	110.264	1696.661	Include PX	2.113	26.054
2) Hydro (A2+B6+C2)	9.165	262.513	3) MUMBAI Schedule	21.080	322.363
3) Gas (A3)	6.440	120.475	H) ENERGY CATERED (MUs)		
4) Wind (B5)	30.814	472.768	1) MSEDCL	291.823	4401.080
5) CPP/IPP (B1+B2+B3+B4)	75.326	1193.795	2) TPCL	31.599	521.220
6) SOLAR (B7)	0.770	12.758	3) REL	16.411	303.971
TOTAL STATE	232.779	3758.970	TOTAL STATE	339.833	5226.271

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 7 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3617	3508	3524
MSGENCO Hydro	292	380	170
MSGENCO Gas	282	257	274
MSGENCO Total Generation	4191	4145	3968
Central Sector Receipt	5549	4650	4378
WIND	1160	1651	1179
CPP / IPP	3471	2732	3196
SOLAR	1	63	0
Exchange with Mumbai	-617	-1091	-474
MSEDCL DEMAND MET	13808	12150	12294
Load Shedding	360	222	51
MSEDCL DEMAND	14168	12372	12345
TPCL GENERATION	655	489	664
R-INFRA GENERATION	522	456	524
TPCL+R-INFRA DEMAND	1794	2036	1662
STATE DEMAND MET	15602	14186	13956
STATE DEMAND	15962	14408	14007
Frequency (Hz)	49.96	50.10	49.88

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.33 Hz at 16.58 Hrs	49.59 Hz at 00.46 Hrs	49.95	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 15/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	1.42	42.39	125	0	150
Unit 7	3.40	43.72	180	90	140
Total	4.82	86.11			290
Bhusawal					
Unit 2	2.97	13.15	130	115	125
Unit 3	2.84	37.42	130	110	135
Unit 4	0.00	39.45	0	0	0
Unit 5	8.70	112.22	410	335	400
Total	14.50	202.24			660
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	3.02	44.20	129	122	135
Unit 2	3.58	48.10	154	145	150
Unit 3	3.82	41.28	173	137	170
Unit 4	3.67	56.80	177	134	160
Unit 5	7.11	95.98	410	220	300
Unit 6	4.84	115.45	345	0	300
Unit 7	6.76	92.07	377	223	300
Total	32.81	493.89			1515
Paras					
Unit 3	0.00	36.95	0	0	0
Unit 4	4.79	71.59	230	164	230
Total	4.79	108.54			230
Khaparkheda					
Unit 1	0.01	38.76	10	0	0
Unit 2	3.40	30.68	160	100	170
Unit 3	3.64	57.26	162	141	170
Unit 4	3.58	56.20	162	140	170
Unit 5	7.43	76.23	350	265	350
Total	18.06	259.13			860
Nasik					
Unit 3	2.15	5.40	175	0	0
Unit 4	4.09	61.39	176	164	198
Unit 5	4.20	63.22	190	167	190
Total	10.45	130.01			388
Uran					
All Units	6.44	120.48	283	253	280
Total	6.44	120.48			280
PENCH (MS)					
Pench (MS)	0.66	3.97	54	0	
Total	0.66	3.97			
Koyna					
Stage 1-2	2.86	50.90	450	35	600
Stage 4	0.65	50.83	260	0	250
Stage 3	1.16	32.43	160	0	320
Kovna 12&4 Total	3.51	101.74			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	4.68	134.17			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.56	4.59	61	0	61
TILLARI	0.51	10.74	62	0	63
BHTGR/VEER	0.10	1.63	5	4	
BHIRA T.R.	0.37	5.92	44	0	41
RNGR+BHTSA	0.06	0.80	3	2	2
BHANDARDRA	0.54	7.58	29	14	15
ELDARY	0.00	0.00	0	0	
SMLHY PTN	0.90	14.40	44	35	15
GHATGHAR	0.32	14.78	125	0	
Total	3.36	60.45			197
Wind					
MalharPeth	0.84	14.94			
Vankuswadi	1.48	25.44			
ATIT	0.21	3.71			
Kale	0.54	10.76			
Satara	13.80	226.03			
Shirala	0.70	14.94			
K Mahankal	0.07	1.43			
Supa	0.26	4.09			
Vita	3.07	48.19			
Dondaicha	5.60	64.39			
Sakri	1.02	13.84			
Nandurbar	0.92	12.34			
Khandke	1.37	17.09			
Khaparale	0.94	15.58			
Total	30.81	472.77			
CPP					
JSW JAIGAD	15.38	265.95	706	579	678
WARDHA	4.18	70.85	195	152	210
Adani	38.93	642.79	1864	1254	1723
Other CPPs	16.83	214.20			745
Total	75.33	1193.80			3356
SOLAR					
Total		11.99			
Total		11.99			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.07	165.10	499	316	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.50	39.23	105	102	120
Trombay 7B	1.51	22.49	64	62	60
Trombay 8	0.00	0.00	0	0	
TATA Hydro	0.47	63.93	101	0	447
Total	13.54	290.74			1127
REL					
1&2	11.75	184.02	524	455	500
Total	11.75	184.02			500
Cent Sect					
Share					5560
Total					5560
MS PG CL	Thermal	85.44	1285.83		3943
	Thml+Gas	91.88	1406.30		4223
	Hydro	8.04	194.62		1367
	Total	99.91	1600.92		5590
State Total		232.78	3758.97		16133

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/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	3574	190	274	4038	1218	3271	0	4636	4920	-712	-814	12660	77	12737	1986	14723	49.77
2	3538	260	274	4072	1233	3329	0	4611	4323	-783	-655	12342	54	12396	1820	14216	49.83
3	3545	170	274	3989	1161	3251	0	4418	4523	-742	-542	12429	51	12480	1719	14199	49.91
4	3524	170	274	3968	1179	3196	0	4401	4378	-685	-474	12294	51	12345	1662	14007	49.88
5	3594	214	272	4080	1121	3236	0	4438	4657	-751	-478	12669	57	12726	1662	14388	49.79
6	3599	456	276	4331	1249	3300	0	4805	4786	-724	-543	13170	268	13438	1731	15169	49.82
7	3617	292	282	4191	1160	3471	1	5284	5549	-816	-617	13808	360	14168	1794	15962	49.96
8	3596	109	283	3988	1238	3453	25	5358	5189	-863	-670	13263	346	13609	1849	15458	50.02
9	3566	184	275	4025	1462	3260	50	5373	5021	-887	-933	12899	302	13201	1966	15167	49.97
10	3538	220	274	4032	1543	2963	90	4992	4844	-883	-1113	12359	244	12603	2063	14666	49.99
11	3512	220	274	4006	1593	2967	117	4544	4987	-1021	-1142	12528	245	12773	2136	14909	49.98
12	3554	271	272	4097	1697	3162	94	4238	4539	-1028	-1190	12399	308	12707	2173	14880	49.96
13	3461	177	272	3910	1549	3255	100	4235	4617	-1029	-1249	12182	409	12591	2198	14789	50.03
14	3524	206	269	3999	1606	3122	93	4248	4104	-1029	-1165	11759	347	12106	2112	14218	50.04
15	3473	198	268	3939	1511	2849	58	4143	4650	-1026	-1111	11896	297	12193	2056	14249	50.05
16	3508	380	257	4145	1651	2732	63	3854	4650	-1020	-1091	12150	222	12372	2036	14408	50.10
17	3558	299	257	4114	1551	2771	61	3566	3965	-1009	-1076	11386	217	11603	2015	13618	50.09
18	3655	197	259	4111	1444	2643	13	3244	3379	-968	-1094	10509	228	10737	2034	12771	50.09
19	3627	384	254	4265	1361	2718	5	3060	3433	-960	-1145	10664	82	10746	2115	12861	49.97
20	3468	892	253	4613	1039	2966	0	3995	4328	-856	-1187	11813	64	11877	2217	14094	49.84
21	3592	859	253	4704	785	3313	0	4301	4214	-840	-1174	11895	60	11955	2281	14236	49.88
22	3626	556	254	4436	820	3367	0	4087	3878	-882	-1126	11428	57	11485	2241	13726	49.93
23	3640	532	270	4442	767	3428	0	3828	4057	-853	-1107	11627	51	11678	2118	13796	49.93
24	3547	599	270	4416	876	3303	0	3591	4070	-713	-1019	11699	51	11750	2028	13778	49.98
MUs	85.44	8.04	6.44	99.91	30.81	75.33	0.77	103.25	107.06	-21.08	-22.72	291.83	4.45	296.28	48.01	344.29	49.95

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 15/Aug/2014

Position as on 6.30 Hrs of 16/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
Bhusawal Unit 4	500	06/08/2014	13.56		Continued.	converted to AOH from 7/08/14	15/09/2014
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	
CPP JSW (J) U2	300	20/07/2014	00.00		Continued.	No Buyer	
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 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.	
CPP Adani U-4	660	09/08/2014	01.08		Continued.	Coal Shortage.	
Paras Unit 3	250	11/08/2014	14.08		Continued.	Air Heater Problem	
Nasik Unit 3	210	12/08/2014	15.25	15/08/2014	07.20	Water wall T/L	
Khaparkheda Unit 1	210	15/08/2014	00.10		Continued.	Coal Shoratge.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 15/Aug/2014

Position as on 6.30 Hrs of 16/Aug/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Koradi Unit 6	210	15/08/2014	11.57		Continued.	ID Fan B vibration high	
Chandrapur Unit 6	500	15/08/2014	18.43		Continued.	boiler tube leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Aug/2014

Position as on 6.30 Hrs of 16/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 - II	14/08/2014	18.03		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	14/08/2014	19.46	15/08/2014	07.16	Breaker Accumulator Oil Leakage.
Dhule-Sar'Sarovar - I	15/08/2014	16.49		Continued.	over voltage
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC POLE I -CHDPR	11/08/2014	13.09	15/08/2014	18.28	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 600 MVA ICT - IV @ Padgha	15/08/2014	20.03	16/08/2014	00.36	maintance work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Main Bus Section - II @ Pedambe	15/08/2014	08.40	15/08/2014	20.00	Replacement work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - II	14/08/2014	18.09	15/08/2014	06.37	Over Voltage.
Bhusawal- Aurangabad	14/08/2014	20.41	15/08/2014	06.23	Over Voltage.
Karad-Jaigad I	14/08/2014	21.53		Continued.	Over Voltage.
Karad - Kolhapur - II	15/08/2014	16.17		Continued.	over voltage
Bhusawal- Aurangabad	15/08/2014	16.38		Continued.	over voltage
Lonikand- Koyna Stage IV	15/08/2014	22.52		Continued.	over voltage
Padgha - Nagothane - I	16/08/2014	2.13		Continued.	over voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Theur - Magarpatta	13/08/2014	05.27		Continued.	To Control Loading on Theur-Lonikand.
Voltage Level : 400KV			Outage Type TRIPPED		
New Koyna - Dabhol - I	13/08/2014	13.01		Continued.	Over Voltage.
Jejuri-Koyna STG-IV	15/08/2014	00.37	15/08/2014	19.57	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 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
Pusad-Nanded	15/08/2014	09.05	15/08/2014	13.06	diatance protection
Voltage Level : 132KV			Outage Type TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Aug/2014

Position as on 6.30 Hrs of 16/Aug/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Akot - Anjangaon	15/08/2014	00.09	15/08/2014	00.20	Diatance protection
Chinchwad-Rahatri	15/08/2014	23.57	16/08/2014	06.42	R ph CT Brust

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Aug/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	165
	620	165
Bhusawal		
Unit 2	210	125
Unit 3	210	135
Unit 4	500	0
Unit 5	500	440
	1420	700
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	150
Unit 3	210	160
Unit 4	210	185
Unit 5	500	400
Unit 6	500	0
Unit 7	500	380
	2340	1410
Paras		
Unit 3	250	0
Unit 4	250	250
	500	250
Khaparkheda		
Unit 1	210	0
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
Unit 5	500	350
	1340	860
Nasik		
Unit 3	210	190
Unit 4	210	200
Unit 5	210	190
	630	580
Uran		
All Units	852	285
	852	285
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	63
BHTGR/VEER	21	4
BHIRA T.R.	80	41
RNGR+BHTSA	20	2
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	26
GHATGHAR	250	0
	611	197
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	788
WARDHA	405	210
Adani	2640	1823
Other CPPs	300	778
	4545	3599
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	4980
	3455	4980

	21940	15823
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