



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

State Load Dispatch Center, Airoli

Daily system Report

for

18/Aug/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 18/Aug/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	89.984	1550.570	1) Gujrat	5.691	81.538
2) Hydro	29.209	275.967	2) Madhya Pradesh	15.364	248.845
3) Gas	6.656	138.114	3) Chattisgarh	6.940	112.460
Total MSGENCO	125.849	1964.651	4) Maharashtra Net	92.293	1353.708
B) 1) JSW JAIGAD	20.533	320.358	(Incl. 765kV Solapur-Raichur)	-7.307	-150.484
2) WPCL	5.005	85.452	5) Goa	-6.312	-104.364
3) ADANI	42.523	771.947	6) TAPS 1&2 Injection	7.368	133.016
4) Other CPP / IPP	19.811	273.618	7) RGPPL Injection	0.000	0.000
5) Wind Generation	6.084	513.323	8) Pench (Excess)	-0.146	-4.607
6) PENCH (MS)	0.146	4.607	# Total Cent. Sector	121.198	1820.596
7) SOLAR	1.023	15.454	F) Other Exchanges		
C) 1) TPCL Thermal	15.105	265.630	1) With TPCL (Excess)	-21.230	-419.760
2) TPCL Hydro	4.711	74.472	G) Bilateral Power *		
TOTAL TPCL	19.816	340.102	1) MSEDCL Bilateral	52.022	431.295
3) REL Thermal	12.534	221.619	Include PX	23.141	48.797
D) STATE			2) MUMBAI Bilateral	27.024	394.876
1) Thermal (A1+C1+C3)	117.623	2037.819	Include PX	1.012	30.744
2) Hydro (A2+B6+C2)	34.066	355.046	3) MUMBAI Schedule	27.024	396.030
3) Gas (A3)	6.656	138.114	H) ENERGY CATERED (MUs)		
4) Wind (B5)	6.084	513.323	1) MSEDCL	320.942	5350.246
5) CPP/IPP (B1+B2+B3+B4)	87.872	1451.375	2) TPCL	34.109	620.136
6) SOLAR (B7)	1.023	15.454	3) REL	19.472	361.346
TOTAL STATE	253.324	4511.131	TOTAL STATE	374.523	6331.728

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3664	3806	3741
MSGENCO Hydro	1711	1616	691
MSGENCO Gas	277	272	279
MSGENCO Total Generation	5652	5694	4711
Central Sector Receipt	5831	5601	4616
WIND	133	225	341
CPP / IPP	3742	3725	3567
SOLAR	143	91	0
Exchange with Mumbai	-1159	-992	-578
MSEDCL DEMAND MET	14342	14344	12657
Load Shedding	616	457	26
MSEDCL DEMAND	14958	14801	12683
TPCL GENERATION	975	965	603
R-INFRA GENERATION	523	522	522
TPCL+R-INFRA DEMAND	2657	2479	1703
STATE DEMAND MET	16999	16823	14360
STATE DEMAND	17615	17280	14386
Frequency (Hz)	49.84	49.81	49.90

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.09 Hz at 07:03 Hrs	49.52 Hz at 09:15 Hrs	49.83	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 18/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	0.00	42.39	0	0	0
Unit 7	3.99	54.99	175	155	180
Total	3.99	97.38			180
Bhusawal					
Unit 2	2.95	21.95	130	115	107
Unit 3	2.96	46.28	130	115	116
Unit 4	0.00	39.45	0	0	0
Unit 5	10.22	141.75	470	370	376
Total	16.13	249.43			599
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	2.82	52.82	121	111	135
Unit 2	3.29	58.47	147	126	150
Unit 3	3.85	52.85	172	138	175
Unit 4	1.42	66.15	186	0	195
Unit 5	9.64	124.36	425	370	450
Unit 6	3.91	119.36	360	0	0
Unit 7	8.63	117.66	381	339	400
Total	33.56	591.67			1505
Paras					
Unit 3	0.00	36.95	0	0	0
Unit 4	5.53	87.73	244	220	230
Total	5.53	124.68			230
Khaparkheda					
Unit 1	0.00	38.76	0	0	0
Unit 2	3.37	41.07	150	125	170
Unit 3	3.73	68.89	184	142	170
Unit 4	3.68	67.78	168	143	170
Unit 5	7.28	97.46	343	260	350
Total	18.06	313.96			860
Nasik					
Unit 3	4.12	17.77	185	140	190
Unit 4	4.22	73.49	183	155	200
Unit 5	4.37	76.28	189	174	190
Total	12.71	167.54			580
Uran					
All Units	6.66	138.11	290	269	285
Total	6.66	138.11			285
PENCH (MS)					
Pench (MS)	0.15	4.61	27	0	0
Total	0.15	4.61			0
Koyna					
Stage 1-2	7.22	71.62	505	35	600
Stage 4	14.71	88.56	760	294	250
Stage 3	4.80	45.38	320	80	320
Kovna 12&4 Total	21.93	160.18			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	26.73	205.56			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.49	6.06	61	0	61
TILLARI	0.64	12.60	62	0	60
BHTGR/VEER	0.02	1.94	1	0	8
BHIRA T.R.	0.22	6.61	80	0	40
RNGR+BHTSA	0.00	0.85	0	0	0
BHANDARDRA	0.50	9.18	27	14	20
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.61	16.90	33	22	15
GHATGHAR	0.00	16.28	0	0	0
Total	2.48	70.41			204
Wind					
MalharPeth	0.21	16.08			
Vankuswadi	0.27	27.41			
ATIT	0.04	4.00			
Kale	0.11	11.41			
Satara	2.10	244.06			
Shirala	0.11	15.59			
K Mahankal	0.01	1.53			
Supa	0.14	4.56			
Vita	0.33	51.87			
Dondaicha	1.82	72.08			
Sakri	0.49	15.51			
Nandurbar	0.27	13.40			
Khandke	0.07	18.80			
Khaparale	0.13	17.00			
Total	6.08	513.32			
CPP					
JSW JAIGAD	20.53	320.36	905	825	825
WARDHA	5.00	85.45	218	193	214
Adani	42.52	771.95	1864	1672	1851
Other CPPs	19.81	253.58			745
Total	87.87	1431.33			3635
SOLAR					
Total	1.02	14.68			
Total	1.02	14.68			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.72	193.12	502	355	0
Trombay 6	0.00	0.00	0	0	250
Trombay 7A	2.02	45.78	95	59	120
Trombay 7B	1.36	26.72	61	47	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.71	74.47	376	0	447
Total	19.82	340.10			877
REL					
1&2	12.53	221.62	524	519	500
Total	12.53	221.62			500
Cent Sect					
Share					5843
Total					5843
MS PG CL	Thermal	89.98	1550.57		3954
	Thml+Gas	96.64	1688.68		4239
	Hydro	29.21	275.97		1374
	Total	125.85	1964.65		5613
State Total		253.32	4511.13		16468

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 18/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	3712	964	276	4952	568	3535	0	4704	4944	-827	-884	13115	70	13185	2006	15191	49.84
2	3684	789	280	4753	459	3529	0	4644	4776	-827	-751	12766	30	12796	1869	14665	49.91
3	3718	847	279	4844	364	3528	0	4436	4693	-827	-611	12818	30	12848	1757	14605	49.90
4	3741	691	279	4711	341	3567	0	4376	4616	-852	-578	12657	26	12683	1703	14386	49.90
5	3699	575	270	4544	435	3591	0	4367	4683	-858	-555	12698	27	12725	1683	14408	49.88
6	3704	788	270	4762	330	3570	0	4640	5050	-895	-623	13089	95	13184	1749	14933	49.84
7	3732	1131	279	5142	232	3584	4	4951	5303	-932	-640	13635	411	14046	1806	15852	49.90
8	3745	1253	279	5277	194	3658	24	5106	5190	-954	-756	13612	821	14433	1948	16381	49.93
9	3593	1470	280	5343	175	3673	60	5299	5604	-1008	-943	13939	737	14676	2207	16883	49.76
10	3574	1775	282	5631	188	3692	97	5611	5875	-1090	-1074	14435	448	14883	2461	17344	49.71
11	3615	1794	278	5687	149	3702	150	5769	5777	-1486	-1159	14313	455	14768	2658	17426	49.82
12	3664	1711	277	5652	133	3742	143	5728	5831	-1528	-1159	14342	616	14958	2657	17615	49.84
13	3765	1623	271	5659	126	3694	126	5283	5417	-1523	-1117	13905	772	14677	2652	17329	49.83
14	3756	1632	270	5658	125	3713	119	4826	5405	-1457	-1070	13950	705	14655	2562	17217	49.90
15	3725	1612	269	5606	138	3754	110	5105	5278	-1420	-1057	13829	575	14404	2519	16923	49.86
16	3806	1616	272	5694	225	3725	91	5215	5601	-1374	-992	14344	457	14801	2479	17280	49.81
17	3786	1332	272	5390	315	3748	79	5099	5288	-1354	-951	13869	460	14329	2431	16760	49.83
18	3766	1049	271	5086	315	3605	18	4361	4367	-1338	-903	12488	622	13110	2375	15485	49.91
19	3785	676	273	4734	323	3647	2	4193	4425	-1326	-908	12227	469	12696	2332	15028	49.87
20	3788	988	273	5049	277	3723	0	4608	4558	-941	-892	12742	589	13331	2438	15769	49.71
21	3847	941	289	5077	197	3781	0	4756	5000	-955	-876	13199	418	13617	2430	16047	49.70
22	3898	1300	287	5485	169	3736	0	4432	4525	-1122	-949	12966	192	13158	2372	15530	49.75
23	3953	1381	290	5624	156	3714	0	4472	4516	-1122	-954	13056	127	13183	2296	15479	49.68
24	3928	1271	290	5489	150	3661	0	4386	4476	-1006	-828	12948	114	13062	2190	15252	49.91
MUs	89.98	29.21	6.66	125.85	6.08	87.87	1.02	116.37	121.20	-27.02	-21.23	320.94	9.27	330.21	53.58	383.79	49.83

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 18/Aug/2014

Position as on 6.30 Hrs of 19/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
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	
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	18/08/2014	19.39	Gas Shortage.	
CPP Adani U-4	660	09/08/2014	01.08		Continued.	Coal Shortage.	
Khaparkheda Unit 1	210	15/08/2014	00.10		Continued.	Coal Shoratge.	
Koradi Unit 6	210	15/08/2014	11.57		Continued.	ID Fan B vibration high	
Chandrapur Unit 6	500	15/08/2014	18.43	18/08/2014	10.29	boiler tube leakage	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 18/Aug/2014

Position as on 6.30 Hrs of 19/Aug/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Chandrapur Unit 4	210	18/08/2014	07.44		Continued.	Boiler Tube Leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 18/Aug/2014

Position as on 6.30 Hrs of 19/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	17/08/2014	16.39	18/08/2014	09.18	Over Voltage.
Dhule-Sar'Sarovar - I	18/08/2014	00.01		Continued.	Over Voltage(RFC 18.10Hrs.)
Kolhapur - Mapusa - I	18/08/2014	16.41	19/08/2014	06.33	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.
Babaleshwar - Bhusawal	18/08/2014	12.43	18/08/2014	20.09	Repairing work of Aux.Bus
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132KV 200 MVA ICT-I @ Amravati	18/08/2014	08.59	18/08/2014	13.48	Oil Leakage
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220KV 500MVA ICT-II at Lonikand-II	18/08/2014	09.38	18/08/2014	18.52	Heavy Oil Leakage
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Padghe - Nashik - II	18/08/2014	14.05	18/08/2014	16.12	Red Hot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - II	17/08/2014	13.06	18/08/2014	07.25	Over Voltage.
Bhusawal- Aurangabad	17/08/2014	17.10	18/08/2014	07.19	Over Voltage.
Karad-Jaigad I	17/08/2014	20.18	18/08/2014	08.53	Over Voltage.
Karad-Jaigad I	18/08/2014	16.07		Continued.	Over Voltage
Bhusawal- Aurangabad	18/08/2014	22.58		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Theur - Magarpatta	13/08/2014	05.27		Continued.	To Control Loading on Theur-Lonikand.
Apta-Uran-III	18/08/2014	00.16	18/08/2014	11.00	Red hot T point,R-Ph conductor and C.C.connecting.
Voltage Level : 500KV			Outage Type TRIPPED		
HVDC Pole-I	18/08/2014	16.42	18/08/2014	20.24	Tripped
Voltage Level : 400KV			Outage Type TRIPPED		
New Koyna - Dabhol - I	13/08/2014	13.01		Continued.	Over Voltage.
Parli - Lamboti	18/08/2014	13.44	18/08/2014	20.44	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.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 18/Aug/2014

Position as on 6.30 Hrs of 19/Aug/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/100 KV,200MVA ICT - I at Padgha	18/07/2014	02.37		Continued.	Diff.Prot
Mahape-Tifil	17/08/2014	14.48	18/08/2014	00.10	B-Ph LA Burst at Tifil.Bus Dead.
Pophali - Nerle	18/08/2014	10.00	19/08/2014	03.10	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 19/Aug/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	150
	620	150
Bhusawal		
Unit 2	210	124
Unit 3	210	135
Unit 4	500	0
Unit 5	500	396
	1420	655
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	130
Unit 2	210	150
Unit 3	210	160
Unit 4	210	0
Unit 5	500	425
Unit 6	500	360
Unit 7	500	350
	2340	1575
Paras		
Unit 3	250	0
Unit 4	250	225
	500	225
Khaparkheda		
Unit 1	210	0
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
Unit 5	500	300
	1340	810
Nasik		
Unit 3	210	190
Unit 4	210	200
Unit 5	210	190
	630	580
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	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	61
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	18
ELDARY	23	0
SMLHY PTN	12	20
GHATGHAR	250	
	611	239
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	820
WARDHA	405	210
Adani	2640	1851
Other CPPs	300	745
	4545	3626
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	250
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	6206
	3455	6206

	21940	17043
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