



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Aug/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Aug/2013 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	79.269	1025.045	1) Gujrat	9.544	140.352
2) Hydro	16.817	228.385	2) Madhya Pradesh	18.060	291.492
3) Gas	6.847	160.319	3) Chattisgarh	7.120	126.520
Total MSGENCO	102.933	1413.749	4) Maharashtra	48.932	879.557
B) 1) JSW JAIGAD	22.063	354.078	5) Goa	-4.179	-71.476
2) WPCL	6.708	90.753	6) TAPS 1&2 Injection	7.461	99.007
3) ADANI	20.440	345.750	7) RGPPL Injection	0.000	0.070
4) Other CPP / IPP	4.938	63.156	8) Pench (Excess)	-0.314	-6.437
5) Wind Generation	16.677	320.236	# Total Cent. Sector	86.624	1459.085
6) PENCH (MS)	0.314	6.437	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-22.668	-311.976
1) TPCL Thermal	9.367	225.858	G) Bilateral Power *		
2) TPCL Hydro	3.542	74.901	1) MSEDCL Bilateral	10.520	116.233
TOTAL TPCL	12.909	300.759	Include PX	-0.024	-45.492
3) REL Thermal	9.751	168.392	2) MUMBAI Bilateral	15.020	260.960
D) STATE			Include PX	2.724	53.395
1) Thermal (A1+C1+C3)	98.387	1419.295	3) MUMBAI Schedule	15.020	264.048
2) Hydro (A2+B5+C2)	20.673	309.723	H) ENERGY CATERED (MUs)		
3) Gas (A3)	6.847	160.319	1) MSEDCL	238.029	3741.268
4) Wind (B4)	16.677	320.236	2) TPCL	29.617	510.803
5) CPP (B1+B2+B3)	54.149	528.427	3) REL	15.709	270.150
TOTAL STATE	196.733	2738.000	TOTAL STATE	283.355	4522.221

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 8 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3426	3263	3320
MSGENCO Hydro	718	1997	241
MSGENCO Gas	248	303	270
MSGENCO Total Generation	4392	5563	3831
Central Sector Receipt	4395	2968	3850
WIND	571	838	606
CPP / IPP	2400	2123	2357
Exchange with Mumbai	-921	-1112	-699
MSEDCL DEMAND MET	10848	10400	9962
Load Shedding	51	79	51
MSEDCL DEMAND	10899	10479	10013
TPCL GENERATION	433	661	430
R-INFRA GENERATION	391	391	414
TPCL+R-INFRA DEMAND	1745	2164	1543
STATE DEMAND MET	12593	12564	11505
STATE DEMAND	12644	12643	11556
Frequency (Hz)	50.48	50.01	50.44

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.67 Hz at 08.01 Hrs	49.64 Hz at 22.05 Hrs	50.25	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

Shift Engineer

Shift Incharge

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 15/Aug/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.21	18.09	145	120	150
Unit 6	3.08	41.11	144	106	140
Unit 7	0.00	20.33	0	0	0
Total	6.29	79.54			290
Bhusawal					
Unit 2	2.84	30.76	130	105	130
Unit 3	2.74	37.25	135	10	130
Unit 4	3.23	62.54	170	115	160
Unit 5	0.00	0.00	0	0	0
Total	8.82	130.55			420
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	4.50	67.81	193	172	189
Unit 7	4.32	64.63	205	123	190
Total	8.83	132.44			379
Chandrapur					
Unit 1	2.86	36.36	134	97	120
Unit 2	2.95	22.25	134	109	120
Unit 3	2.98	37.75	146	112	130
Unit 4	2.49	6.00	165	0	130
Unit 5	0.00	0.00	0	0	0
Unit 6	7.69	53.16	375	265	370
Unit 7	7.84	92.04	365	299	375
Total	26.83	247.56			1245
Paras					
Unit 3	3.86	54.89	187	121	200
Unit 4	0.00	48.98	0	0	0
Total	3.86	103.88			200
Khaparkheda					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.82	35.60	175	110	170
Unit 3	4.19	53.37	177	173	180
Unit 4	0.00	40.88	0	0	0
Unit 5	7.05	72.45	343	230	350
Total	15.06	202.29			700
Nasik					
Unit 3	4.14	63.86	175	170	200
Unit 4	1.37	1.49	68	40	60
Unit 5	4.07	63.44	176	161	200
Total	9.59	128.79			460
Uran					
All Units	6.85	160.32	316	240	300
Total	6.85	160.32			300
PENCH (MS)					
Pench (MS)	0.31	6.44	20	10	
Total	0.31	6.44			
Koyna					
Stage 1-2	3.74	49.26	545	40	600
Stage 4	4.34	46.61	815	0	250
Stage 3	2.06	30.66	240	0	240
Kovna 12&4 Total	8.08	95.86			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	10.14	126.53			1090
Hydro					
KDPH	0.90	13.72	38	37	36
VTRNA	1.45	16.99	61	60	60
TILLARI	0.74	11.86	60	0	60
BHTGR/VEER	0.18	2.92	8	7	7
BHIRA T.R.	0.46	6.42	82	0	80
RNGR+BHTSA	0.43	6.45	18	17	15
BHANDARDRA	0.67	9.86	28	27	28
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.40	19.80	51	50	0
GHATGHAR	0.45	13.84	125	0	0
Total	6.68	101.86			286
Wind					
MalharPeth	0.80	14.26			
Vankuswadi	1.33	24.19			
ATIT	0.14	3.75			
Kale	0.39	9.24			
Satara	5.38	89.00			
Shirala	0.43	7.76			
K Mahankal	0.06	8.76			
Supa	0.21	4.04			
Vita	2.02	38.93			
Dondaicha	3.13	71.01			
Sakri	0.71	11.98			
Nandurbar	0.23	6.60			
Khandke	0.95	15.86			
Khaparale	0.90	14.87			
Total	16.68	320.24			
CPP					
JSW JAIGAD	22.06	354.08	937	891	913
WARDHA	6.71	90.75	332	214	325
Adani	20.44	345.75	860	840	1234
Other CPPs	4.94	63.16			255
Total	54.15	853.74			2727
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	4.09	144.45	319	0	0
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	0.00	0.00	0	0	0
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	5.28	81.41	251	184	250
TATA Hydro	3.54	74.90	287	72	447
Total	12.91	300.76			697
REL					
1&2	9.75	168.39	525	390	500
Total	9.75	168.39			500
Cent Sect					
Share					3643
Total					3643

MS PG CL	Thermal	79.27	1025.04			3694
	Thml+Gas	86.12	1185.36			3994
	Hydro	16.82	228.38			1376
	Total	102.93	1413.75			5370
State Total		196.73	2738.00			12937

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/Aug/2013

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	3229	671	269	4169	858	2207	3317	3821	-696	-882	10192	77	10269	1839	12108	50.17
2	3277	279	271	3827	745	2256	3147	3914	-623	-725	10034	51	10085	1682	11767	50.24
3	3300	246	272	3818	695	2347	3123	3802	-601	-705	9974	51	10025	1598	11623	50.34
4	3320	241	270	3831	606	2357	3115	3850	-603	-699	9962	51	10013	1543	11556	50.44
5	3328	246	268	3842	562	2360	3092	4480	-605	-722	10533	51	10584	1544	12128	50.33
6	3307	1015	271	4593	565	2362	3092	4424	-605	-786	11178	51	11229	1608	12837	50.13
7	3386	1133	247	4766	557	2376	3094	4342	-606	-864	11193	51	11244	1687	12931	50.27
8	3426	718	248	4392	571	2400	3109	4395	-628	-921	10848	51	10899	1745	12644	50.48
9	3410	465	240	4115	658	2430	3162	3840	-655	-994	10060	51	10111	1863	11974	50.50
10	3359	460	242	4061	743	2437	3196	3919	-674	-1040	10131	51	10182	1985	12167	50.48
11	3305	432	242	3979	629	2367	3253	3881	-709	-1144	9723	51	9774	2067	11841	50.37
12	3332	388	310	4030	641	2400	3254	3804	-710	-1163	9722	52	9774	2077	11851	50.39
13	3376	392	312	4080	553	2349	3043	3629	-662	-1098	9523	103	9626	2060	11686	50.26
14	3373	382	312	4067	681	2246	2782	3532	-662	-1023	9513	51	9564	1985	11549	50.32
15	3298	384	314	3996	599	2213	2781	3592	-643	-979	9431	51	9482	1944	11426	50.21
16	3275	382	316	3973	666	2193	2780	3572	-624	-954	9460	51	9511	1919	11430	50.33
17	3167	354	315	3836	715	2098	2778	3207	-616	-926	8940	51	8991	1893	10884	50.38
18	3290	283	310	3883	859	2101	2631	2700	-614	-930	8623	51	8674	1897	10571	50.19
19	3311	330	301	3942	832	2087	2800	3098	-611	-966	9004	51	9055	1934	10989	49.97
20	3251	1356	305	4912	729	2061	2999	3608	-561	-968	10362	79	10441	2148	12589	49.93
21	3263	1997	303	5563	838	2123	2868	2968	-561	-1112	10400	79	10479	2164	12643	50.01
22	3267	1814	301	5382	895	2129	2288	2477	-561	-1091	9802	79	9881	2172	12053	50.00
23	3245	1578	303	5126	804	2129	2319	2815	-579	-1030	9855	51	9906	2048	11954	50.04
24	3174	1091	305	4570	676	2121	2449	2954	-610	-946	9386	51	9437	1926	11363	50.11
MUs	79.27	16.64	6.85	102.75	16.68	54.15	70.47	86.62	-15.02	-22.67	237.85	1.39	239.24	45.33	284.56	50.25

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/2013

Position as on 6.30 Hrs of 16/Aug/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 4	210	28/11/2012	02.37		Continued.	water shortage.	
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Parli Unit 5	210	14/02/2013	22.45		Continued.	Water Shortage	
Chandrapur Unit 5	500	14/07/2013	00.01		Continued.	Annual Overhaul	
Tata Trombay 7B	60	27/07/2013	12.57		Continued.	Annual Overhaul	
Tata Trombay 7A	120	27/07/2013	13.55		Continued.	Annual Overhaul	
Koradi Unit 7	210	09/08/2013	07.22		Continued.	Annual Overhaul	
FORCED OUTAGE							
Dabhol 3B	230	28/05/2013	21.58		Continued.	Gas shortage.	
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Koyna Unit 11	80	04/06/2013	13.25		Continued.	Rotar Fault.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 3X	290	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	
Bhusawal Unit 5	500	03/07/2013	23.40		Continued.	ESP Problem.	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
CPP VIPL	300	17/07/2013	12.03		Continued.	Turbine Problem	
Tata Trombay 6	500	19/07/2013	23.54		Continued.	Economic shut down.	
Khaparkheda Unit 1	210	30/07/2013	04.41		Continued.	Main Steam Temp.Low	
Uran Unit 8	108	01/08/2013	17.13		Continued.	Gas Shortage.	
CPP Adani U-3	660	05/08/2013	20.54		Continued.	PA Fan Problem	
CPP WPCL U-2	135	06/08/2013	09.45		Continued.	Flame Failure	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Withdrawn	
Paras Unit 4	250	14/08/2013	03.28	16/08/2013	00.37	Boiler Tube Leakage	
Khaparkheda Unit 4	210	14/08/2013	06.38	16/08/2013	00.44	Boiler Tube Leakage	
Uran Unit 6	108	14/08/2013	08.22		Continued.	Gas Shortage	
CPP WPCL U-3	135	14/08/2013	19.45	15/08/2013	01.17	Gen.protection	
Tata Trombay 5	500	14/08/2013	22.24	15/08/2013	09.53	CC Pump Suction Mainifold Drain Line leakage	
CPP INDIABULLS	270	15/08/2013	12.45		Continued.	Generator Electrical Prot Operated.	
Bhusawal Unit 3	210	15/08/2013	16.04	15/08/2013	17.17	Low Vaccum.	
CPP WPCL U-4	135	15/08/2013	16.30	15/08/2013	19.52	Low Furnace Pressure.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 15/Aug/2013

Position as on 6.30 Hrs of 16/Aug/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Chandrapur Unit 4	210	15/08/2013	18.44	15/08/2013	23.49	Turbine Tripped.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Aug/2013

Position as on 6.30 Hrs of 16/Aug/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Akola - Aurangabad- II	14/08/2013	19.42	15/08/2013	19.01	Reconnecting line Reactor at A'Bad
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dabhol - NewKoyna - II	23/07/2013	12.35		Continued.	Over Voltage.
Parli (PG)-Bhadravati I	24/07/2013	22.07		Continued.	Over Voltage.
765 KV Seoni-Wardha-II	02/08/2013	12.55	15/08/2013	19.56	Over Voltage
Kolhapur-Mapusa-II	13/08/2013	12.43		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	14/08/2013	10.09		Continued.	Over Voltage
Parly(PG)- Solapur(PG) - I	14/08/2013	16.33		Continued.	Over Voltage
Solapur - Solapur (PG)	14/08/2013	16.44	15/08/2013	08.57	Over Voltage
Dhule - S'Sarovar- II	14/08/2013	16.54		Continued.	Over Voltage
Solapur-Solapur(PGCIL)	15/08/2013	16.31	16/08/2013	06.53	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Bhadravati - IV	19/07/2013	15.56		Continued.	Over Voltage.
Koradi-Satpur	07/08/2013	23.48		Continued.	Over Voltage.
Padgha-Tarapur - II	15/08/2013	03.03	15/08/2013	09.18	Over Voltage
Karad - Solapur (PGCIL)	15/08/2013	03.05	16/08/2013	06.04	Over Voltage
Akola - Aurangabad - I	15/08/2013	16.41	15/08/2013	19.27	Over Voltage.
Akola - Wardha - II	15/08/2013	16.41	15/08/2013	19.21	Over Voltage.
765 KV Wardha - Seoni - I	15/08/2013	16.42		Continued.	Over Voltage.
765 KV Seoni-Wardha-II	15/08/2013	21.15		Continued.	Over Voltage.
Akola - Wardha - I	15/08/2013	21.16		Continued.	Over Voltage.
Akola - Aurangabad- II	16/08/2013	00.10		Continued.	Over Voltage.
Padgha-Tarapur - II	16/08/2013	00.10	16/08/2013	06.53	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 500 MVA ICT-I @ Deepnagar	07/06/2013	17.03		Continued.	ICT charged through Tie Bay due to higher Tan Delta Values of HV side R Phase Bus-II CT
400/220 KV 600 MVA ICT-II @ Kalwa	15/08/2013	09.21	15/08/2013	19.42	Replacement of Terttary P T.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Main CB of 220/100kV 200 MVA ICTIII @ Padgha	22/05/2013	10.46		Continued.	Repl.of A and B bus isolator.ICT on TBC.
220/132KV 150MVA ICT @ Boisor	08/08/2013	22.06		Continued.	Oil Filtration.
Babhaleshwar-Nasik-II	12/08/2013	18.55	15/08/2013	12.29	Breaker O/H Work(Taken on TBC)
220/33 KV 100 MVA ICT-IV @ Versova	15/08/2013	02.31	15/08/2013	04.15	Annual Maint.work
Jejury - Lonand	15/08/2013	09.35	15/08/2013	14.20	Half Yearly Maint. Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
Dabhol - Nagothane - I	31/07/2013	14.53		Continued.	Over Voltage
Karad-New Koyna II	14/08/2013	17.09		Continued.	Over Voltage
Karad-Jaigad I	14/08/2013	22.28		Continued.	Over Voltage

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Aug/2013

Position as on 6.30 Hrs of 16/Aug/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - I	15/08/2013	00.07		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	24/07/2013	19.26		Continued.	To Avoid Overloading by Taking Line in Grid,Handtripped @ Chikhali End Only.
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Diff.prot.operated Declared Faulty
Koradi-Khaparkheda II	07/08/2013	17.12		Continued.	Over Voltage.
Karad - Kolhapur - II	08/08/2013	02.08		Continued.	Over Voltage
Koradi - II - Indiabull	12/08/2013	07.23	15/08/2013	19.18	Y Phase CVT Burst
Bhusawal- Aurangabad	14/08/2013	08.29		Continued.	R phase Grading capacitor Burst
Akola - Indiabull (Nandgaonpeth)	15/08/2013	16.34	16/08/2013	06.42	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
220/132KV 200MVA ICT-III at BBLSR	11/08/2013	20.20		Continued.	R-Ph LV Side Bushing Burst.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Aug/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	145
Unit 6	210	135
Unit 7	210	0
	620	280
Bhusawal		
Unit 2	210	130
Unit 3	210	130
Unit 4	500	140
Unit 5	500	
	1420	400
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	185
Unit 7	250	194
	1130	379
Chandrapur		
Unit 1	210	120
Unit 2	210	120
Unit 3	210	130
Unit 4	210	150
Unit 5	500	0
Unit 6	500	350
Unit 7	500	350
	2340	1220
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	0
Unit 2	210	170
Unit 3	210	180
Unit 4	210	180
Unit 5	500	350
	1340	880
Nasik		
Unit 3	210	200
Unit 4	210	70
Unit 5	210	200
	630	470
Uran		
All Units	852	300
	852	300
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	36
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	7
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	28
ELDARY	23	0
SMLHY PTN	12	3
GHATGHAR	250	0
	611	290
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	900
WARDHA	405	335
Adani	1320	1234
Other CPPs	300	0
	3225	2469
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	0
Trombay 7B	60	0
Trombay 8	250	250
TATA Hydro	444	447
	2024	1197
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3830
	3455	3830