



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Aug/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Aug/2013 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	87.491	2185.662	1) Gujrat	16.234	327.380
2) Hydro	9.763	429.660	2) Madhya Pradesh	20.853	582.336
3) Gas	7.522	308.870	3) Chattisgarh	10.530	251.420
Total MSGENCO	104.776	2924.192	4) Maharashtra	64.038	1758.473
B) 1) JSW JAIGAD	20.422	637.143	5) Goa	-5.588	-148.922
2) WPCL	7.788	199.340	6) TAPS 1&2 Injection	7.442	210.697
3) ADANI	29.080	712.910	7) RGPPL Injection	0.000	0.070
4) Other CPP / IPP	9.711	197.267	8) Pench (Excess)	-0.938	-14.066
5) Wind Generation	11.904	663.728	# Total Cent. Sector	112.571	2967.388
6) PENCH (MS)	0.938	14.066	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-21.249	-623.262
1) TPCL Thermal	16.517	463.836	G) Bilateral Power *		
2) TPCL Hydro	7.370	160.335	1) MSEDCL Bilateral	10.038	263.996
TOTAL TPCL	23.887	624.171	Include PX	0.049	-51.384
3) REL Thermal	11.974	343.355	2) MUMBAI Bilateral	19.567	543.570
D) STATE			Include PX	6.893	120.852
1) Thermal (A1+C1+C3)	115.982	2992.853	3) MUMBAI Schedule	19.567	546.812
2) Hydro (A2+B5+C2)	18.071	604.061	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.522	308.870	1) MSEDCL	275.941	7692.772
4) Wind (B4)	11.904	663.728	2) TPCL	37.650	1042.670
5) CPP (B1+B2+B3)	67.001	1062.830	3) REL	19.461	547.888
TOTAL STATE	220.480	5632.342	TOTAL STATE	333.052	9283.330

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3797	3703	3443
MSGENCO Hydro	1053	566	90
MSGENCO Gas	314	313	316
MSGENCO Total Generation	5164	4582	3849
Central Sector Receipt	4989	4543	4268
WIND	439	474	737
CPP / IPP	2762	2830	2706
Exchange with Mumbai	-1241	-993	-658
MSEDCL DEMAND MET	12153	11473	10945
Load Shedding	537	550	124
MSEDCL DEMAND	12690	12023	11069
TPCL GENERATION	1222	1224	578
R-INFRA GENERATION	522	523	391
TPCL+R-INFRA DEMAND	2985	2740	1627
STATE DEMAND MET	15138	14213	12572
STATE DEMAND	15675	14763	12696
Frequency (Hz)	50.07	50.10	49.91

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.45 Hz at 12.01 Hrs	49.69 Hz at 14.20 Hrs	50.04	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 30/Aug/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.78	65.02	135	101	120
Unit 6	2.48	81.22	135	80	130
Unit 7	0.00	20.33	0	0	0
Total	5.26	166.58			250
Bhusawal					
Unit 2	3.49	72.65	155	130	140
Unit 3	3.31	59.60	160	75	140
Unit 4	6.72	105.14	320	225	301
Unit 5	0.30	0.30	120	0	
Total	13.82	237.68			581
Parli					
Unit 3	0.00	0.00	0	0	
Unit 4	3.20	6.46	152	115	135
Unit 5	0.00	0.00	0	0	0
Unit 6	3.97	133.39	193	133	250
Unit 7	4.28	132.20	201	152	180
Total	11.44	272.05			565
Chandrapur					
Unit 1	3.28	60.25	148	128	140
Unit 2	0.00	53.59	0	0	0
Unit 3	2.94	61.58	152	64	140
Unit 4	3.38	44.13	174	109	150
Unit 5	0.00	0.00	0	0	0
Unit 6	7.33	142.26	375	225	280
Unit 7	7.62	183.78	391	242	250
Total	24.56	545.59			960
Paras					
Unit 3	4.12	115.36	202	153	200
Unit 4	4.46	113.11	235	132	200
Total	8.58	228.47			400
Khaparkheda					
Unit 1	2.16	23.41	135	70	100
Unit 2	3.08	79.62	160	110	120
Unit 3	3.96	92.39	195	131	160
Unit 4	2.50	95.50	169	0	180
Unit 5	0.00	149.44	0	0	0
Total	11.70	440.36			560
Nasik					
Unit 3	4.32	129.28	190	170	200
Unit 4	3.53	38.14	160	133	190
Unit 5	4.28	127.51	198	165	200
Total	12.13	294.93			590
Uran					
All Units	7.52	308.87	321	304	290
Total	7.52	308.87			290
PENCH (MS)					
Pench (MS)	0.94	14.07	47	27	
Total	0.94	14.07			
Koyna					
Stage 1-2	3.10	103.46	360	40	600
Stage 4	2.87	91.52	560	0	250
Stage 3	1.42	58.94	158	0	240
Kovna 12&4 Total	5.97	194.98			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	7.39	253.92			1090
Hydro					
KDPH	0.00	21.46	0	0	0
VTRNA	0.00	28.05	0	0	61
TILLARI	0.75	22.76	60	0	60
BHTGR/VEER	0.11	4.84	5	4	4
BHIRA T.R.	0.46	12.42	82	0	80
RNGR+BHTSA	0.40	12.71	17	16	0
BHANDARDRA	0.05	15.99	24	0	0
ELDARY	0.00	0.00	0	0	
SMLHY PTN	0.61	37.25	26	25	20
GHATGHAR	0.00	20.28	0	0	
Total	2.37	175.74			225
Wind					
MalharPeth	0.55	27.98			
Vankuswadi	1.08	48.61			
ATIT	0.10	6.53			
Kale	0.27	16.95			
Satara	2.77	183.19			
Shirala	0.27	15.21			
K Mahankal	0.04	9.90			
Supa	0.21	7.40			
Vita	1.50	75.48			
Dondaicha	3.21	169.86			
Sakri	0.53	26.60			
Nandurbar	0.31	15.92			
Khandke	0.57	30.46			
Khaparale	0.50	29.64			
Total	11.90	663.73			
CPP					
JSW JAIGAD	20.42	637.14	873	782	785
WARDHA	7.79	199.34	334	318	330
Adani	29.08	712.91	1230	1180	1234
Other CPPs	9.71	197.27			243
Total	67.00	1746.66			2592
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.97	302.16	503	317	500
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	5.54	161.67	254	185	250
TATA Hydro	7.37	160.34	471	72	447
Total	23.89	624.17			1197
REL					
1&2	11.97	343.36	523	391	500
Total	11.97	343.36			500
Cent Sect					
Share					4416
Total					4416

MS PG CL	Thermal	87.49	2185.66			3906
	Thml+Gas	95.01	2494.53			4196
	Hydro	9.76	429.66			1315
	Total	104.78	2924.19			5511
State Total		220.48	5632.34			14216

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/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	3362	85	313	3760	647	2818	3744	4527	-589	-714	11081	97	11178	1903	13081	49.96
2	3397	85	313	3795	662	2797	3713	4354	-561	-710	10941	103	11044	1716	12760	49.99
3	3443	90	316	3849	737	2706	3713	4268	-560	-658	10945	124	11069	1627	12696	49.91
4	3477	85	318	3880	595	2603	3713	4493	-545	-622	10992	147	11139	1590	12729	50.04
5	3475	95	319	3889	545	2670	3713	4731	-552	-616	11259	167	11426	1588	13014	50.06
6	3465	231	320	4016	492	2793	3726	4663	-523	-545	11459	356	11815	1697	13512	49.99
7	3516	434	319	4269	425	2785	3777	4532	-573	-552	11502	835	12337	1838	14175	50.00
8	3638	730	321	4689	335	2810	3815	4603	-609	-627	11850	849	12699	2017	14716	50.11
9	3713	863	320	4896	416	2804	4108	4639	-702	-700	12097	776	12873	2324	15197	50.06
10	3743	772	316	4831	455	2804	4534	5080	-956	-962	12255	502	12757	2677	15434	50.10
11	3846	872	310	5028	446	2763	4814	5165	-1182	-1187	12255	432	12687	2915	15602	50.05
12	3797	1053	314	5164	439	2762	4860	4989	-1225	-1241	12153	537	12690	2985	15675	50.07
13	3695	472	309	4476	382	2798	4806	5112	-1172	-1227	11578	692	12270	2969	15239	50.04
14	3689	332	310	4331	417	2816	4696	5152	-1078	-1118	11634	606	12240	2841	15081	50.01
15	3731	346	304	4381	404	2865	4745	5129	-1057	-1157	11649	465	12114	2872	14986	49.94
16	3715	390	307	4412	425	2858	4780	5456	-1072	-1156	12022	351	12373	2868	15241	49.92
17	3666	256	306	4228	520	2846	4631	4992	-974	-1139	11483	357	11840	2881	14721	50.02
18	3653	153	308	4114	557	2837	3898	3939	-782	-1229	10261	530	10791	2799	13590	50.14
19	3728	212	305	4245	522	2784	4212	4176	-873	-1023	10751	353	11104	2715	13819	50.07
20	3703	566	313	4582	474	2830	4328	4543	-959	-993	11473	550	12023	2740	14763	50.10
21	3778	625	315	4718	470	2812	4259	4523	-890	-868	11692	384	12076	2612	14688	50.01
22	3751	416	313	4480	478	2800	4139	4494	-753	-743	11546	226	11772	2478	14250	50.01
23	3805	388	315	4508	512	2822	4145	4422	-720	-725	11574	134	11708	2316	14024	50.17
24	3705	212	318	4235	549	2818	4145	4592	-663	-737	11492	110	11602	2142	13744	50.29
MUs	87.49	9.76	7.52	104.78	11.90	67.00	101.01	112.57	-19.57	-21.25	275.94	9.68	285.63	57.11	342.74	50.04

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 30/Aug/2013

Position as on 6.30 Hrs of 31/Aug/2013

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	
Parli Unit 5	210	14/02/2013	22.45		Continued.	Water Shortage	
Koyna Unit 11	80	04/06/2013	13.25		Continued.	Rotar Fault.	
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	
Cent_Sect NTPC(V-7)	500	08/08/2013	00.00		Continued.	AOH.	
Koradi Unit 7	210	09/08/2013	07.22		Continued.	Annual Overhaul	
Cent_Sect Sipat U-1	660	15/08/2013	02.00		Continued.	Annual Overhaul	
Koyna ST-IV 2	250	23/08/2013	08.35		Continued.	Spherical Valve Problem.	04/09/2013
Khaparkheda Unit 5	500	26/08/2013	21.37		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.	
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	30/08/2013	19.10	ESP Problem.	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Tata Trombay 6	500	19/07/2013	23.54		Continued.	Economic shut down.	
Uran Unit 8	108	01/08/2013	17.13		Continued.	Gas Shortage.	
CPP WPCL U-2	135	06/08/2013	09.45		Continued.	Flame Failure	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Withdrawn	
Uran Unit 6	108	26/08/2013	12.14		Continued.	Gas Shortage	
Cent_Sect TARAPUR-3	540	28/08/2013	09.08		Continued.	Reactor Problem.	
CPP Adani U-3	660	28/08/2013	23.07		Continued.	Turbine Vibration Very High	
CPP VIPL	300	29/08/2013	00.31		Continued.	Boiler Tube Leakage	
Cent_Sect Sipat-4	500	29/08/2013	11.56		Continued.	Boiler Tube Leakage.	
Chandrapur Unit 2	210	29/08/2013	17.34		Continued.	I D Fan Problem.	
Bhusawal Unit 3	210	29/08/2013	23.41	30/08/2013	00.25	Drum Level High.	
Khaparkheda Unit 4	210	30/08/2013	17.10		Continued.	Boiler Tube Leakage.	
Bhusawal Unit 5	500	30/08/2013	19.17	30/08/2013	20.40	Drum Level Low.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Aug/2013

Position as on 6.30 Hrs of 31/Aug/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Nasik-Navsari -II	30/08/2013	09.10	30/08/2013	18.08	Q.M.Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur(PGCIL)-I	29/08/2013	16.24	30/08/2013	07.36	Over Voltage.
Solapur-Solapur(PGCIL)	29/08/2013	17.54	30/08/2013	06.46	Over Voltage.
Kolhapur - Mapusa - I	29/08/2013	19.10	30/08/2013	09.55	Over Voltage.
Kolhapur - Mapusa - I	30/08/2013	16.36		Continued.	Over Voltage.
Voltage Level : 500KV			Outage Type TRIPPED		
765KV Wardha-Senoi-II (PGCIL)	20/08/2013	20:30		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Koradi-Satpur	20/08/2013	02:43		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	30/08/2013	17.02		Continued.	Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC POLE - II	22/08/2013	11.12		Continued.	Annual Maintenance Work. upto 28.08.13.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 500 MVA ICT-I @ Deepnagar	07/06/2013	17.03	30/08/2013	15.56	ICT charged through Tie Bay due to higher Tan Delta Values of HV side R Phase Bus-II CT
400 KV GT V at Khaparkheda	21/08/2013	17.34		Continued.	Hot Spot B Ph. 89T Isolator.
Akola - Bhusawal	30/08/2013	09.24	30/08/2013	18.28	Y Phase PG Isolator Cissor of Aux. Bus Isolator.
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.
Temghar-Colourchem	30/08/2013	08.20	30/08/2013	11.35	Hot Spot Attending Work.
Nasik-Raymond	30/08/2013	10.24		Continued.	Relay Work.
Padgha - Nalasopara	30/08/2013	11.15	30/08/2013	16.56	Replacement of R Ph. Jumper Between Take off Gantry & Wave Trap.
Jambhul - Anandnagar	30/08/2013	11.57	30/08/2013	19.59	Replacement of Faulty Dist.Relay.
Dhule - Malegaon	30/08/2013	14.25	30/08/2013	16.22	Replacement of Flash Insulator
Karad - Sadawaghapur - I	30/08/2013	17.25	30/08/2013	17.26	First Time Charged & Load Taken @ 1947 Hrs.
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
Dabhol - New Koyna - I	24/08/2013	02.16		Continued.	Over Voltage.
Deepnagar-Aurangabad-I	28/08/2013	21.43		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.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Aug/2013

Position as on 6.30 Hrs of 31/Aug/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Vasai - Bhoisor (PGCIL)	30/08/2013	11.20	30/08/2013	17.20	For Outage on Padgha-Nalasopara.
Alephata-Kathapur	30/08/2013	12.25	30/08/2013	19.30	To Control Line Loading.
BBLSR-Chalisgaon	30/08/2013	14.23	30/08/2013	16.44	Hand Tripped Chalisgaon End.
Nalasopara-Boisar PGCIL 220 KV	30/08/2013	17.19	30/08/2013	17.20	For Outage on Padgha-Nalasopara.
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
Karad - Kolhapur - II	08/08/2013	02.08		Continued.	Over Voltage
Bhusawal- Aurangabad	14/08/2013	08.29	30/08/2013	18.53	R phase Grading capacitor Burst
Karad - Kolhapur - I	30/08/2013	17.02	31/08/2013	06.27	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
Talandge - Sawantwadi - II.	19/08/2013	16:26		Continued.	D/P.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 31/Aug/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	120
Unit 7	210	115
	620	235
Bhusawal		
Unit 2	210	130
Unit 3	210	130
Unit 4	500	300
Unit 5	500	0
	1420	560
Parli		
Unit 3	210	0
Unit 4	210	140
Unit 5	210	0
Unit 6	250	175
Unit 7	250	200
	1130	515
Chandrapur		
Unit 1	210	130
Unit 2	210	0
Unit 3	210	120
Unit 4	210	140
Unit 5	500	0
Unit 6	500	320
Unit 7	500	350
	2340	1060
Paras		
Unit 3	250	191
Unit 4	250	205
	500	396
Khaparkheda		
Unit 1	210	140
Unit 2	210	130
Unit 3	210	160
Unit 4	210	0
Unit 5	500	0
	1340	430
Nasik		
Unit 3	210	200
Unit 4	210	190
Unit 5	210	200
	630	590
Uran		
All Units	852	290
	852	290
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	0
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	11
GHATGHAR	250	0
	611	232
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	780
WARDHA	405	330
Adani	1320	1234
Other CPPs	300	369
	3225	2713
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	4889
	3455	4889