



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Aug/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 19/Aug/2013 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	64.423	1331.066	1) Gujrat	7.707	166.402
2) Hydro	13.574	285.797	2) Madhya Pradesh	21.869	376.726
3) Gas	11.250	202.981	3) Chattisgarh	8.680	159.590
Total MSGENCO	89.247	1819.844	4) Maharashtra	61.363	1119.676
B) 1) JSW JAIGAD	23.201	444.767	5) Goa	-4.879	-92.017
2) WPCL	5.694	118.154	6) TAPS 1&2 Injection	7.423	128.730
3) ADANI	27.980	446.100	7) RGPPL Injection	0.000	0.070
4) Other CPP / IPP	7.995	89.149	8) Pench (Excess)	-0.380	-7.940
5) Wind Generation	28.658	398.258	# Total Cent. Sector	101.783	1851.237
6) PENCH (MS)	0.380	7.940	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-22.209	-399.731
1) TPCL Thermal	16.011	284.339	G) Bilateral Power *		
2) TPCL Hydro	5.662	92.892	1) MSEDCL Bilateral	11.205	156.899
TOTAL TPCL	21.673	377.231	Include PX	0.000	-47.888
3) REL Thermal	11.518	212.248	2) MUMBAI Bilateral	18.879	332.832
D) STATE			Include PX	5.062	71.081
1) Thermal (A1+C1+C3)	91.952	1827.653	3) MUMBAI Schedule	18.879	335.919
2) Hydro (A2+B5+C2)	19.616	386.629	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.250	202.981	1) MSEDCL	262.729	4775.718
4) Wind (B4)	28.658	398.258	2) TPCL	36.548	647.257
5) CPP (B1+B2+B3)	64.870	680.050	3) REL	18.829	341.728
TOTAL STATE	216.346	3495.571	TOTAL STATE	318.106	5764.703

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	2754	2625	2780
MSGENCO Hydro	449	712	320
MSGENCO Gas	471	467	468
MSGENCO Total Generation	3674	3804	3568
Central Sector Receipt	4730	4488	3557
WIND	1278	1213	1098
CPP / IPP	2952	2856	2594
Exchange with Mumbai	-1189	-893	-561
MSEDCL DEMAND MET	11462	11485	10267
Load Shedding	155	184	51
MSEDCL DEMAND	11617	11669	10318
TPCL GENERATION	1209	1105	580
R-INFRA GENERATION	525	522	399
TPCL+R-INFRA DEMAND	2923	2520	1540
STATE DEMAND MET	14385	14005	11807
STATE DEMAND	14540	14189	11858
Frequency (Hz)	50.03	50.06	50.35

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.52 Hz at 03.04 Hrs	49.64 Hz at 14.11 Hrs	50.09	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 19/Aug/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.20	31.53	155	115	150
Unit 6	3.37	48.96	153	121	130
Unit 7	0.00	20.33	0	0	0
Total	6.57	100.83			280
Bhusawal					
Unit 2	2.95	42.16	152	110	130
Unit 3	2.94	47.95	145	85	120
Unit 4	0.00	71.32	0	0	0
Unit 5	0.00	0.00	0	0	0
Total	5.89	161.43			250
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	3.72	85.93	176	100	155
Unit 7	4.35	83.34	217	148	195
Total	8.07	169.27			350
Chandrapur					
Unit 1	1.34	43.52	63	35	60
Unit 2	1.37	29.83	73	36	60
Unit 3	0.00	41.10	0	0	0
Unit 4	1.94	14.92	99	68	80
Unit 5	0.00	0.00	0	0	0
Unit 6	4.57	76.85	242	150	225
Unit 7	5.50	116.02	285	201	250
Total	14.73	322.25			675
Paras					
Unit 3	3.53	70.44	158	125	140
Unit 4	4.06	65.64	197	135	180
Total	7.58	136.08			320
Khaparkheda					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.52	49.33	135	80	132
Unit 3	0.57	66.36	131	0	0
Unit 4	3.68	56.69	178	125	168
Unit 5	5.77	104.39	330	180	230
Total	12.53	276.77			530
Nasik					
Unit 3	4.36	81.08	200	170	200
Unit 4	0.66	3.49	134	0	150
Unit 5	4.03	79.86	177	155	200
Total	9.06	164.43			550
Uran					
All Units	11.25	202.98	477	460	465
Total	11.25	202.98			465
PENCH (MS)					
Pench (MS)	0.38	7.94	25	11	0
Total	0.38	7.94			0
Koyna					
Stage 1-2	4.10	64.05	365	35	600
Stage 4	1.01	56.87	208	0	250
Stage 3	2.04	39.04	160	0	240
Kovna 12&4 Total	5.12	120.92			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	7.16	159.96			1090
Hydro					
KDPH	0.92	17.37	39	38	36
VTRNA	1.13	21.43	61	0	60
TILLARI	0.78	14.93	60	0	60
BHTGR/VEER	0.17	3.63	7	7	8
BHIRA T.R.	0.30	7.82	80	0	80
RNGR+BHTSA	0.29	7.92	12	12	10
BHANDARDRA	0.96	12.90	40	40	41
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.14	24.04	48	47	0
GHATGHAR	0.73	15.80	125	0	0
Total	6.41	125.84			295
Wind					
MalharPeth	1.14	17.51			
Vankuswadi	2.03	30.27			
ATIT	0.21	4.38			
Kale	0.64	11.19			
Satara	7.73	112.52			
Shirala	0.60	9.54			
K Mahankal	0.08	9.04			
Supa	0.50	4.97			
Vita	2.49	47.70			
Dondaicha	8.84	90.34			
Sakri	1.18	15.08			
Nandurbar	0.78	8.35			
Khandke	1.31	19.44			
Khaparale	1.13	17.92			
Total	28.66	398.26			
CPP					
JSW JAIGAD	23.20	444.77	994	907	899
WARDHA	5.69	118.15	321	0	320
Adani	27.98	446.10	1230	990	1234
Other CPPs	8.00	89.15			245
Total	64.87	1098.17			2698
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.56	182.51	505	319	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	5.46	101.82	252	187	250
TATA Hydro	5.66	92.89	453	72	447
Total	21.67	377.23			1197
REL					
1&2	11.52	212.25	525	394	500
Total	11.52	212.25			500
Cent Sect					
Share					4375
Total					4375

MS PG CL	Thermal	64.42	1331.07			2955
	Thml+Gas	75.67	1534.05			3420
	Hydro	13.57	285.80			1385
	Total	89.25	1819.84			4805
State Total		216.35	3495.57			13575

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/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	2854	644	466	3964	639	2878	3404	3501	-727	-807	10186	80	10266	1786	12052	50.04
2	2822	529	466	3817	797	2802	3282	3581	-654	-667	10341	51	10392	1648	12040	50.10
3	2783	339	466	3588	1048	2715	3233	3606	-630	-593	10375	51	10426	1569	11995	50.27
4	2780	320	468	3568	1098	2594	3217	3557	-631	-561	10267	51	10318	1540	11858	50.35
5	2695	274	468	3437	1186	2502	3202	3896	-631	-552	10481	60	10541	1531	12072	50.26
6	2663	469	464	3596	1115	2489	3806	4257	-655	-660	10820	127	10947	1641	12588	50.03
7	2717	629	476	3822	1098	2528	3970	4514	-642	-730	11248	211	11459	1810	13269	50.11
8	2726	344	477	3547	1091	2778	4005	4512	-670	-677	11268	299	11567	1991	13558	50.26
9	2850	566	476	3892	1195	2885	4053	4208	-715	-801	11396	253	11649	2301	13950	50.10
10	2771	905	477	4153	1080	2914	4279	4589	-931	-1065	11688	184	11872	2634	14506	49.97
11	2752	759	476	3987	1219	2904	4483	4614	-1132	-1201	11536	122	11658	2876	14534	50.03
12	2754	449	471	3674	1278	2952	4421	4730	-1180	-1189	11462	155	11617	2923	14540	50.03
13	2770	383	466	3619	1217	2763	4181	4730	-929	-1218	11126	252	11378	2920	14298	50.03
14	2773	581	469	3823	1311	2568	4066	4399	-762	-1141	10975	191	11166	2766	13932	50.11
15	2524	824	476	3824	1359	2467	4082	4341	-767	-1096	10910	147	11057	2787	13844	49.98
16	2598	641	464	3703	1463	2574	4108	4547	-779	-1160	11144	103	11247	2802	14049	50.12
17	2558	539	463	3560	1592	2622	4082	4310	-752	-1229	10872	104	10976	2763	13739	50.05
18	2511	414	460	3385	1264	2584	3767	4013	-787	-1196	10067	151	10218	2692	12910	50.04
19	2571	591	466	3628	1379	2381	4060	4295	-814	-1051	10649	139	10788	2602	13390	50.00
20	2590	981	468	4039	1090	2597	4319	4508	-893	-1015	11244	225	11469	2644	14113	49.93
21	2625	712	467	3804	1213	2856	4188	4488	-903	-893	11485	184	11669	2520	14189	50.06
22	2595	373	467	3435	1330	2846	4165	4498	-797	-827	11298	117	11415	2365	13780	50.13
23	2548	577	467	3592	1301	2837	3791	4305	-769	-911	11141	70	11211	2202	13413	50.04
24	2604	731	466	3801	1295	2834	3525	3784	-728	-969	10761	67	10828	2087	12915	50.07
MUs	64.43	13.57	11.25	89.26	28.66	64.87	93.69	101.78	-18.88	-22.21	262.74	3.39	266.13	55.40	321.53	50.09

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 19/Aug/2013

Position as on 6.30 Hrs of 20/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	
Cent_Sect Sipat U-1	660	15/08/2013	02.00		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	20/08/2013	05:53	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	
Nasik Unit 4	210	16/08/2013	20.40	19/08/2013	05.34	H P T Leakage.	
Chandrapur Unit 3	210	17/08/2013	21:13		Continued.	Poor Bunker Level & PCR.	
Bhusawal Unit 4	500	18/08/2013	12:34		Continued.	Hooper problem	
Khaparkheda Unit 3	210	19/08/2013	04.30		Continued.	Boiler Tube Leakage	
Nasik Unit 4	210	19/08/2013	13:47		Continued.	Generator Prot. Operated.	
CPP WPCL U-1	135	19/08/2013	15:16		Continued.	220 KV Warora - Wardha Power Ckt II. "B" P.T. Burst.	
CPP WPCL U-4	135	19/08/2013	18:20		Continued.	220 KV Warora - Wardha Power Ckt II. "B" P.T. Burst.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 19/Aug/2013

Position as on 6.30 Hrs of 20/Aug/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
CPP WPCL U-3	135	19/08/2013	19:11		Continued.	220 KV Warora - Wardha Power Ckt II. "B" P.T. Burst.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Aug/2013

Position as on 6.30 Hrs of 20/Aug/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Solapur - Solapur (PG)	17/08/2013	17:00	19/08/2013	06.46	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	17/08/2013	17:45		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dabhol - NewKoyna - II	23/07/2013	12.35		Continued.	Over Voltage.
Kolhapur-Mapusa-II	13/08/2013	12.43		Continued.	Over Voltage
Parli (PG)-Bhadravati I	16/08/2013	22.26		Continued.	Over Voltage.
Parly(PG)- Solapur(PG) - I	18/08/2013	16.43		Continued.	Over Voltage
Dhule - S'Sarovar- II	19/08/2013	01.02	19/08/2013	09:48	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	19/08/2013	09:20	Over Voltage.
765 KV Seoni-Wardha-II	15/08/2013	21.15		Continued.	Over Voltage.
Solapur - Solapur (PG)	19/08/2013	17:38		Continued.	Over Voltage.
Koradi-Satpur	20/08/2013	02:43		Continued.	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
Lonikand- Koyna Stage IV	17/08/2013	09:43	19/08/2013	15:04	Replacement of Faulty Twin String at Loc 194 of R Phase.
Chandrapur II - Dhariwal Ckt - I Bay.	19/08/2013	13:48	19/08/2013	14:23	New Bay Charged.
Tie Breaker @ Akola	19/08/2013	15:36	19/08/2013	18:22	Attend Air Leakage of CB at Akola.
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.
Babaleshwar - Ranjangaon	18/08/2013	08.27	19/08/2013	15:00	REPL of faulty Insulator.
Kandalgaon - ONGC	19/08/2013	09:15	19/08/2013	18:25	CT Repl. at ONGC S/S.
Apta-Uran-II	19/08/2013	10:00	19/08/2013	19:15	Earthwire Repl. work at LOC. no.6 to 9.
Gadchandur-Virur-II	19/08/2013	11:42	19/08/2013	18:40	Disc Insulator Work. Hot Spot attending work.
Kalwa - Salshet - III	19/08/2013	13:27	19/08/2013	14:58	Taken on TBC at Kalwa for attending Hot Spot at CB.
Talandge - Sawantwadi - II.	19/08/2013	16:34	19/08/2013	16:50	New Line charged from Talandge end.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Badnera - Akola - I	19/08/2013	09:04	19/08/2013	21:45	Replacement of Faulty Disc Insulator at various locations.
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
Deepnagar-Aurangabad-I	16/08/2013	13.14		Continued.	Over Voltage.
Karad - Kolhapur - I	18/08/2013	16.35	19/08/2013	09:09	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Aug/2013

Position as on 6.30 Hrs of 20/Aug/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - I	19/08/2013	17:13		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
Bhusawal- Aurangabad	14/08/2013	08.29		Continued.	R phase Grading capacitor Burst
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.
Wardha Power - Warora-I	19/08/2013	12:24	19/08/2013	12:58	General Trip. Directional Earth fault.
Wardha - Wardha Power-II	19/08/2013	12:24		Continued.	B-Ph line PT Burst. General Trip. B-Ph Trip.
220/33 KV 100 MVA T/F @ Shivajinagar (Sakri)	19/08/2013	13:30	19/08/2013	14:10	Relay Operated.
Talandge - Sawantwadi - II.	19/08/2013	16:26		Continued.	D/P.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 20/Aug/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	145
Unit 6	210	145
Unit 7	210	0
	620	290
Bhusawal		
Unit 2	210	130
Unit 3	210	120
Unit 4	500	250
Unit 5	500	0
	1420	500
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	220
Unit 7	250	250
	1130	470
Chandrapur		
Unit 1	210	75
Unit 2	210	80
Unit 3	210	0
Unit 4	210	140
Unit 5	500	0
Unit 6	500	180
Unit 7	500	150
	2340	625
Paras		
Unit 3	250	180
Unit 4	250	180
	500	360
Khaparkheda		
Unit 1	210	0
Unit 2	210	160
Unit 3	210	0
Unit 4	210	200
Unit 5	500	350
	1340	710
Nasik		
Unit 3	210	200
Unit 4	210	0
Unit 5	210	200
	630	400
Uran		
All Units	852	465
	852	465
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	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	8
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	41
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	295
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	897
WARDHA	405	330
Adani	1320	1234
Other CPPs	300	215
	3225	2676
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	4477
	3455	4477

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