



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

State Load Dispatch Center, Airoli

Daily system Report

for

16/Aug/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 16/Aug/2013 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	87.740	1113.123	1) Gujrat	5.553	145.905
2) Hydro	13.408	241.793	2) Madhya Pradesh	21.316	312.808
3) Gas	9.019	169.338	3) Chattisgarh	7.560	134.080
Total MSGENCO	110.167	1524.254	4) Maharashtra	50.721	930.278
B) 1) JSW JAIGAD	22.273	376.351	5) Goa	-5.965	-77.441
2) WPCL	7.399	98.152	6) TAPS 1&2 Injection	7.446	106.453
3) ADANI	23.010	368.760	7) RGPPL Injection	0.000	0.070
4) Other CPP / IPP	4.722	67.878	8) Pench (Excess)	-0.383	-6.820
5) Wind Generation	15.456	335.692	# Total Cent. Sector	86.248	1545.333
6) PENCH (MS)	0.383	6.820	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-22.735	-334.711
1) TPCL Thermal	15.224	241.082	G) Bilateral Power *		
2) TPCL Hydro	5.150	80.051	1) MSEDCL Bilateral	7.392	123.625
TOTAL TPCL	20.374	321.133	Include PX	-2.396	-47.888
3) REL Thermal	11.347	179.739	2) MUMBAI Bilateral	18.419	279.380
D) STATE			Include PX	5.225	58.620
1) Thermal (A1+C1+C3)	114.311	1533.944	3) MUMBAI Schedule	18.419	282.467
2) Hydro (A2+B5+C2)	18.941	328.664	H) ENERGY CATERED (MUs)		
3) Gas (A3)	9.019	169.338	1) MSEDCL	246.923	3988.529
4) Wind (B4)	15.456	335.692	2) TPCL	35.845	546.648
5) CPP (B1+B2+B3)	57.404	565.391	3) REL	18.608	288.758
TOTAL STATE	215.131	2933.029	TOTAL STATE	301.376	4823.935

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	3663	3829	3552
MSGENCO Hydro	882	1021	174
MSGENCO Gas	310	467	295
MSGENCO Total Generation	4855	5317	4021
Central Sector Receipt	4339	3651	3259
WIND	667	637	477
CPP / IPP	2416	2596	2130
Exchange with Mumbai	-1182	-996	-644
MSEDCL DEMAND MET	11111	11222	9260
Load Shedding	429	253	7
MSEDCL DEMAND	11540	11475	9267
TPCL GENERATION	953	1096	577
R-INFRA GENERATION	489	524	392
TPCL+R-INFRA DEMAND	2624	2616	1613
STATE DEMAND MET	13735	13838	10873
STATE DEMAND	14164	14091	10880
Frequency (Hz)	50.12	49.93	50.21

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.53 Hz at 13.02 Hrs	49.68 Hz at 14.07 Hrs	50.12	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 16/Aug/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.38	21.47	158	24	145
Unit 6	2.94	44.05	155	0	135
Unit 7	0.00	20.33	0	0	0
Total	6.32	85.85			280
Bhusawal					
Unit 2	2.40	33.16	130	0	130
Unit 3	2.72	39.96	140	90	130
Unit 4	2.93	65.47	135	110	140
Unit 5	0.00	0.00	0	0	
Total	8.04	138.60			400
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	4.73	72.54	215	185	185
Unit 7	4.84	69.47	246	173	194
Total	9.57	142.02			379
Chandrapur					
Unit 1	2.50	38.86	128	84	120
Unit 2	2.56	24.81	123	86	120
Unit 3	2.20	39.95	132	56	130
Unit 4	2.74	9.07	154	84	150
Unit 5	0.00	0.00	0	0	0
Unit 6	7.28	60.44	360	250	350
Unit 7	6.72	98.75	343	210	350
Total	24.00	271.89			1220
Paras					
Unit 3	4.17	59.06	196	149	200
Unit 4	3.84	52.83	197	18	200
Total	8.01	111.89			400
Khaparkheda					
Unit 1	0.00	0.00	0	0	0
Unit 2	4.02	39.61	180	150	170
Unit 3	4.34	57.71	197	174	180
Unit 4	3.86	44.75	203	20	180
Unit 5	9.71	82.16	450	340	350
Total	21.93	224.22			880
Nasik					
Unit 3	4.33	68.19	200	170	200
Unit 4	1.34	2.83	84	0	70
Unit 5	4.20	67.64	199	168	200
Total	9.87	138.66			470
Uran					
All Units	9.02	169.34	478	292	300
Total	9.02	169.34			300
PENCH (MS)					
Pench (MS)	0.38	6.82	20	10	
Total	0.38	6.82			
Koyna					
Stage 1-2	3.10	52.36	510	35	600
Stage 4	2.87	49.48	554	0	250
Stage 3	1.55	32.21	160	0	240
Kovna 12&4 Total	5.97	101.84			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	7.52	134.04			1090
Hydro					
KDPH	0.91	14.63	39	38	36
VTRNA	1.10	18.09	61	0	61
TILLARI	0.76	12.63	60	0	60
BHTGR/VEER	0.18	3.10	8	7	7
BHIRA T.R.	0.39	6.81	81	0	80
RNGR+BHTSA	0.46	6.91	20	19	15
BHANDARDRA	0.56	10.42	28	14	28
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.04	20.84	44	43	3
GHATGHAR	0.48	14.32	125	0	0
Total	5.89	107.75			290
Wind					
MalharPeth	0.71	14.97			
Vankuswadi	1.21	25.40			
ATIT	0.12	3.87			
Kale	0.42	9.66			
Satara	4.84	93.83			
Shirala	0.38	8.14			
K Mahankal	0.07	8.83			
Supa	0.14	4.18			
Vita	1.92	40.85			
Dondaicha	3.37	74.38			
Sakri	0.66	12.64			
Nandurbar	0.25	6.85			
Khandke	0.79	16.65			
Khaparale	0.58	15.45			
Total	15.46	335.69			
CPP					
JSW JAIGAD	22.27	376.35	994	869	900
WARDHA	7.40	98.15	340	274	335
Adani	23.01	368.76	1220	850	1234
Other CPPs	4.72	67.88			0
Total	57.40	911.14			2469
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.00	154.45	501	318	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	5.22	86.63	254	186	250
TATA Hydro	5.15	80.05	384	72	447
Total	20.37	321.13			1197
REL					
1&2	11.35	179.74	525	390	500
Total	11.35	179.74			500
Cent Sect					
Share					3830
Total					3830

MS PG CL	Thermal	87.74	1113.12			4029
	Thml+Gas	96.76	1282.46			4329
	Hydro	13.41	241.79			1380
	Total	110.17	1524.25			5709
State Total		215.13	2933.03			13705

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/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	3445	395	298	4138	650	2147	2406	3111	-604	-783	9274	54	9328	1751	11079	50.17
2	3552	174	295	4021	477	2130	2333	3259	-483	-644	9260	7	9267	1613	10880	50.21
3	3606	174	292	4072	387	2108	2343	3393	-456	-576	9398	6	9404	1543	10947	50.33
4	3686	174	302	4162	517	2107	2396	3259	-461	-534	9526	6	9532	1502	11034	50.35
5	3638	174	302	4114	581	2100	2444	3487	-459	-525	9768	15	9783	1493	11276	50.21
6	3628	523	303	4454	675	2147	2700	3104	-538	-643	9757	86	9843	1611	11454	50.00
7	3478	517	310	4305	761	2189	3056	3621	-617	-813	10082	219	10301	1780	12081	50.22
8	3582	462	305	4349	708	2198	3315	4174	-636	-984	10464	438	10902	1954	12856	50.19
9	3552	727	305	4584	593	2208	3355	4156	-677	-1121	10432	540	10972	2267	13239	50.15
10	3663	882	310	4855	667	2416	3585	4339	-859	-1182	11111	429	11540	2624	14164	50.12
11	3663	684	305	4652	533	2548	3755	3990	-1047	-1242	10491	372	10863	2837	13700	50.13
12	3726	648	306	4680	519	2507	3794	4237	-1089	-1253	10701	454	11155	2876	14031	50.12
13	3753	381	326	4460	522	2633	3719	3964	-1013	-1246	10350	542	10892	2877	13769	50.11
14	3750	318	362	4430	708	2645	3630	3713	-922	-1209	10304	371	10675	2708	13383	50.19
15	3744	297	468	4509	841	2573	3645	3460	-937	-1114	10286	269	10555	2686	13241	49.89
16	3796	302	464	4562	885	2478	3661	3657	-955	-1075	10524	157	10681	2690	13371	50.02
17	3786	300	464	4550	984	2342	3644	3519	-929	-1129	10283	145	10428	2689	13117	50.10
18	3750	286	467	4503	726	2375	3621	3246	-906	-1286	9581	177	9758	2668	12426	50.09
19	3694	306	468	4468	836	2338	3753	4095	-895	-1100	10657	153	10810	2590	13400	50.05
20	3829	1021	467	5317	637	2596	3591	3651	-929	-996	11222	253	11475	2616	14091	49.93
21	3848	806	473	5127	599	2758	3388	3674	-870	-893	11282	215	11497	2500	13997	50.12
22	3674	991	472	5137	605	2764	2713	3075	-787	-768	10830	140	10970	2354	13324	50.02
23	3574	1338	477	5389	512	2634	2562	2809	-721	-733	10628	78	10706	2192	12898	50.01
24	3323	1528	478	5329	533	2463	2785	3253	-628	-886	10710	71	10781	2035	12816	50.16
MUs	87.74	13.41	9.02	110.17	15.46	57.40	76.19	86.25	-18.42	-22.74	246.92	5.20	252.12	54.46	306.57	50.12

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 16/Aug/2013

Position as on 6.30 Hrs of 17/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	16/08/2013	12.02	Gas Shortage	
CPP INDIABULLS	270	15/08/2013	12.45	16/08/2013	12.01	Generator Electrical Prot Operated.	
Nasik Unit 4	210	16/08/2013	20.40		Continued.	H P T Leakage.	
Koradi Unit 6	210	16/08/2013	21.07		Continued.	E T L.	
Bhusawal Unit 2	210	16/08/2013	22.48	17/08/2013	01.10	Flame Failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Aug/2013

Position as on 6.30 Hrs of 17/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 - Navasari - II	16/08/2013	11.00		Continued.	For Conversion of Existing C & R Pannel in to Automation System Based on Bay Control Units.
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	16/08/2013	12.26	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
Dhule - S'Sarovar- II	14/08/2013	16.54	16/08/2013	10.09	Over Voltage
Solapur-Solapur(PGCIL)	15/08/2013	16.31	16/08/2013	06.53	Over Voltage.
Solapur - Solapur (PG)	16/08/2013	18.14	17/08/2013	06.24	Over Voltage.
Parli (PG)-Bhadravati I	16/08/2013	22.26		Continued.	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.
Karad - Solapur (PGCIL)	15/08/2013	03.05	16/08/2013	06.04	Over Voltage
765 KV Wardha - Seoni - I	15/08/2013	16.42	16/08/2013	22.06	Over Voltage.
765 KV Seoni-Wardha-II	15/08/2013	21.15		Continued.	Over Voltage.
Akola - Wardha - I	15/08/2013	21.16	16/08/2013	07.13	Over Voltage.
Akola - Aurangabad- II	16/08/2013	00.10	16/08/2013	07.24	Over Voltage.
Padgha-Tarapur - II	16/08/2013	00.10	16/08/2013	06.53	Over Voltage.
Padgha-Bhoisor (PGCIL)	16/08/2013	15.42	16/08/2013	16.06	Tripped.
Padgha-Tarapur - II	17/08/2013	01.33	17/08/2013	06.10	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	16/08/2013	09.54	16/08/2013	14.40	Replacement of Tertiary P T.
400/220KV,500 MVA ICT-III At A'bad.	16/08/2013	12.01	16/08/2013	16.45	Q.M.
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.
220/100KV 200MVA ICT-I at Taloja	16/08/2013	11.05	16/08/2013	15.45	Replacement of R Ph. C T & Attending Hot Spot.
Bableshtar - Alephata	16/08/2013	16.58	16/08/2013	20.15	Taken on TBC@ Bbl End Due to Main Bkr.Problem Hot Spot.
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	16/08/2013	10.48	Over Voltage
Karad-Jaigad I	14/08/2013	22.28	16/08/2013	09.38	Over Voltage

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 16/Aug/2013

Position as on 6.30 Hrs of 17/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	16/08/2013	09.01	Over Voltage
Deepnagar-Aurangabad-I	16/08/2013	13.14		Continued.	Over Voltage.
Karad - Kolhapur - I	16/08/2013	16.42		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
Akola - Indiabull (Nandgaonpeth)	15/08/2013	16.34	16/08/2013	06.42	Over Voltage.
Lonikand- Koyna Stage IV	16/08/2013	08.31	16/08/2013	09.12	Distance Protection.
Karad-Jaigad I	17/08/2013	03.11		Continued.	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 17/Aug/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	160
Unit 6	210	0
Unit 7	210	0
	620	160
Bhusawal		
Unit 2	210	130
Unit 3	210	130
Unit 4	500	140
Unit 5	500	
	1420	400
Parli		
Unit 3	210	
Unit 4	210	
Unit 5	210	0
Unit 6	250	180
Unit 7	250	190
	1130	370
Chandrapur		
Unit 1	210	100
Unit 2	210	100
Unit 3	210	100
Unit 4	210	80
Unit 5	500	0
Unit 6	500	350
Unit 7	500	350
	2340	1080
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	0
Unit 2	210	180
Unit 3	210	200
Unit 4	210	200
Unit 5	500	450
	1340	1030
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	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	10
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	20
ELDARY	23	
SMLHY PTN	12	16
GHATGHAR	250	
	611	293
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	320
Adani	1320	1234
Other CPPs	300	245
	3225	2699
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	4319
	3455	4319