



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

State Load Dispatch Center, Airoli

Daily system Report

for

03/Aug/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 03/Aug/2014 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	78.563	242.699	1) Gujrat	4.097	8.521
2) Hydro	6.230	21.256	2) Madhya Pradesh	10.561	28.403
3) Gas	10.438	31.039	3) Chattisgarh	5.390	16.650
Total MSGENCO	95.231	294.994	4) Maharashtra Net	54.281	173.951
B) 1) JSW JAIGAD	18.796	55.345	(Incl. 765kV Solapur-Raichur)	-13.217	-24.711
2) WPCL	4.425	13.085	5) Goa	-5.435	-16.522
3) ADANI	56.383	162.270	6) TAPS 1&2 Injection	7.447	22.339
4) Other CPP / IPP	12.294	35.295	7) RGPPL Injection	0.000	0.000
5) Wind Generation	40.789	112.856	8) Pench (Excess)	-0.170	-0.422
6) PENCH (MS)	0.170	0.422	# Total Cent. Sector	76.171	232.920
7) SOLAR	0.843	2.582	F) Other Exchanges		
C) 1) TPCL Thermal	13.237	41.964	1) With TPCL (Excess)	-19.285	-67.113
2) TPCL Hydro	2.051	11.560	G) Bilateral Power *		
TOTAL TPCL	15.288	53.524	1) MSEDCL Bilateral	6.234	22.807
3) REL Thermal	11.773	36.099	Include PX	-9.096	-28.564
D) STATE			2) MUMBAI Bilateral	14.495	51.273
1) Thermal (A1+C1+C3)	103.573	320.762	Include PX	1.009	3.886
2) Hydro (A2+B6+C2)	8.451	33.238	3) MUMBAI Schedule	14.495	51.273
3) Gas (A3)	10.438	31.039	H) ENERGY CATERED (MUs)		
4) Wind (B5)	40.789	112.856	1) MSEDCL	285.817	842.656
5) CPP/IPP (B1+B2+B3+B4)	91.898	265.995	2) TPCL	27.239	96.409
6) SOLAR (B7)	0.843	2.582	3) REL	19.107	60.329
TOTAL STATE	255.992	766.472	TOTAL STATE	332.163	999.394

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 9 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3341	3261	3124
MSGENCO Hydro	186	511	185
MSGENCO Gas	434	436	440
MSGENCO Total Generation	3961	4208	3749
Central Sector Receipt	3758	3522	2653
WIND	1995	1440	1471
CPP / IPP	3955	3945	3817
SOLAR	76	0	0
Exchange with Mumbai	-764	-761	-585
MSEDCL DEMAND MET	12981	12394	11105
Load Shedding	52	53	51
MSEDCL DEMAND	13033	12447	11156
TPCL GENERATION	582	889	542
R-INFRA GENERATION	522	523	456
TPCL+R-INFRA DEMAND	1868	2173	1583
STATE DEMAND MET	14849	14567	12688
STATE DEMAND	14901	14620	12739
Frequency (Hz)	49.97	49.93	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 13:02 Hrs	49.79 Hz at 00:06 Hrs	49.97	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 03/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	3.09	9.42	150	98	140
Unit 7	3.20	9.76	150	115	150
Total	6.29	19.18			290
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	0.94	0	0	0
Unit 4	6.82	22.16	335	190	293
Unit 5	5.88	19.76	340	125	284
Total	12.70	42.86			577
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	2.88	8.79	125	113	140
Unit 2	2.92	9.32	127	111	150
Unit 3	2.92	9.85	135	101	170
Unit 4	3.46	11.03	164	124	200
Unit 5	0.00	3.48	0	0	0
Unit 6	7.96	24.83	380	255	400
Unit 7	3.70	4.87	215	110	250
Total	23.84	72.16			1310
Paras					
Unit 3	3.73	9.17	168	143	152
Unit 4	4.45	13.81	209	152	230
Total	8.18	22.98			382
Khaparkheda					
Unit 1	3.66	10.16	165	125	170
Unit 2	0.00	0.00	0	0	0
Unit 3	3.78	10.68	164	150	170
Unit 4	3.77	10.55	167	152	170
Unit 5	8.05	23.30	373	260	350
Total	19.26	54.69			860
Nasik					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.13	12.44	182	167	198
Unit 5	4.18	12.48	186	166	190
Total	8.30	24.92			388
Uran					
All Units	10.44	31.04	446	425	440
Total	10.44	31.04			440
PENCH (MS)					
Pench (MS)	0.17	0.42	40	0	0
Total	0.17	0.42			0
Koyna					
Stage 1-2	1.50	5.02	285	40	520
Stage 4	0.00	0.05	0	0	250
Stage 3	0.55	3.67	80	0	320
Kovna 12&4 Total	1.50	5.07			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.06	8.74			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.26	0.42	61	0	0
TILLARI	0.98	2.73	62	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.36	1.14	41	0	40
RNGR+BHTSA	0.06	0.18	3	2	3
BHANDARDRA	0.68	2.39	29	28	36
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.90	2.70	44	35	10
GHATGHAR	0.94	2.96	250	0	0
Total	4.18	12.51			149
Wind					
MalharPeth	1.31	3.77			
Vankuswadi	2.24	6.77			
ATIT	0.35	1.06			
Kale	1.02	3.14			
Satara	19.75	57.09			
Shirala	1.32	4.09			
K Mahankal	0.12	0.39			
Supa	0.45	1.49			
Vita	4.25	12.26			
Dondaicha	4.86	10.76			
Sakri	1.06	2.49			
Nandurbar	1.06	2.43			
Khandke	1.80	3.80			
Khaparale	1.20	3.34			
Total	40.79	112.86			
CPP					
JSW JAIGAD	18.80	55.34	913	672	825
WARDHA	4.42	13.08	187	176	180
Adani	56.38	162.27	2488	2050	2446
Other CPPs	12.29	35.30			515
Total	91.90	266.00			3966
SOLAR					
Total	0.84	2.58			
Total	0.84	2.58			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.32	30.94	501	314	0
Trombay 6	0.00	0.00	0	0	500
Trombay 7A	2.44	7.19	115	90	120
Trombay 7B	1.48	3.83	66	58	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	2.05	11.56	227	72	447
Total	15.29	53.52			1127
REL					
1&2	11.77	36.10	524	454	500
Total	11.77	36.10			500
Cent Sect					
Share					3717
Total					3717
MS PG CL	Thermal	78.56	242.70		3807
	Thml+Gas	89.00	273.74		4247
	Hydro	6.23	21.26		1239
	Total	95.23	294.99		5486
State Total		255.99	766.47		14796

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 03/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	3280	234	446	3960	1661	3765	0	2802	2708	-463	-759	11335	79	11414	1848	13262	49.89
2	3263	229	440	3932	1584	3735	0	2527	2585	-439	-718	11118	51	11169	1715	12884	49.92
3	3164	228	438	3830	1558	3761	0	2472	2662	-404	-640	11171	51	11222	1639	12861	49.94
4	3124	185	440	3749	1471	3817	0	2565	2653	-480	-585	11105	51	11156	1583	12739	49.97
5	3172	148	441	3761	1504	3705	0	2605	2887	-446	-577	11280	51	11331	1575	12906	49.92
6	3251	157	438	3846	1575	3816	0	3025	3248	-567	-600	11895	52	11947	1645	13592	49.95
7	3288	148	434	3870	1657	3865	5	3557	3466	-612	-609	12270	53	12323	1676	13999	49.97
8	3348	160	435	3943	1675	3876	27	3717	3800	-620	-684	12637	53	12690	1752	14442	49.94
9	3341	186	434	3961	1995	3955	76	3663	3758	-652	-764	12981	52	13033	1868	14901	49.97
10	3352	214	430	3996	2003	3974	84	3580	3358	-766	-796	12619	51	12670	2012	14682	49.94
11	3434	226	430	4090	2032	3951	100	3474	3427	-818	-882	12718	51	12769	2125	14894	49.96
12	3342	218	428	3988	1999	4059	125	3178	3275	-811	-924	12522	52	12574	2154	14728	50.03
13	3413	189	427	4029	2010	3959	111	2994	2875	-699	-928	12056	105	12161	2155	14316	50.04
14	3435	193	425	4053	1934	3979	107	2868	2703	-711	-921	11855	54	11909	2087	13996	50.06
15	3456	277	430	4163	1885	3869	71	2869	2986	-685	-953	12021	54	12075	2038	14113	49.93
16	3270	294	437	4001	1723	3679	83	2917	3070	-660	-954	11602	53	11655	1979	13634	50.04
17	3241	397	433	4071	1657	3563	26	3098	3295	-569	-939	11673	53	11726	1959	13685	49.98
18	3271	183	433	3887	1662	3446	23	3002	3010	-559	-960	11068	53	11121	1984	13105	50.02
19	3264	296	434	3994	1572	3440	5	3268	3465	-579	-991	11485	53	11538	2018	13556	49.98
20	3240	631	436	4307	1476	3574	0	3637	3904	-644	-938	12363	53	12416	2118	14534	49.91
21	3261	511	436	4208	1440	3945	0	3577	3522	-596	-761	12394	53	12447	2173	14620	49.93
22	3119	520	437	4076	1579	4042	0	3246	3281	-591	-865	12146	53	12199	2176	14375	50.01
23	3155	211	439	3805	1544	4074	0	3183	3280	-582	-830	11900	53	11953	2095	14048	49.97
24	3079	195	437	3711	1593	4049	0	2933	2953	-542	-707	11603	53	11656	1972	13628	50.01
MUs	78.56	6.23	10.44	95.23	40.79	91.90	0.84	74.76	76.17	-14.50	-19.28	285.82	1.34	287.15	46.35	333.50	49.97

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 03/Aug/2014

Position as on 6.30 Hrs of 04/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
Nasik Unit 3	210	10/07/2014	14.10		Continued.	A/OH.	
Koyna Unit 6	75	31/07/2014	07.35		Continued.	Annual Overhaul.	
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.	I D Fan Bearing Temperature High.	
CPP IPL U-1	270	26/06/2014	05.46		Continued.	Coal Shortage.	
Parli Unit 4	210	29/06/2014	10.19		Continued.	Coal Shortage	
Bhusawal Unit 2	210	18/07/2014	23.46		Continued.	Coal Shortage.	
CPP JSW (J) U2	300	20/07/2014	00.00		Continued.	No Buyer	
CPP VIPL U-1	300	23/07/2014	00.05		Continued.	Bunker Coal Feed Problem.	
Uran Unit 8	108	26/07/2014	07.30		Continued.	Gas Shortage.	
Parli Unit 5	210	30/07/2014	00.02		Continued.	Water Shortage.	
Khaparkheda Unit 2	210	31/07/2014	11.26		Continued.	Poor Coal Quality.	
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.	
Chandrapur Unit 5	500	01/08/2014	11.48		Continued.	Boiler Tube Leakage.	
Bhusawal Unit 3	210	01/08/2014	12:12		Continued.	Boiler tube leakage	
Parli Unit 6	250	01/08/2014	19.08		Continued.	Water Shortage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Aug/2014

Position as on 6.30 Hrs of 04/Aug/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kolhapur-Solapur (PG) II	24/07/2014	09.22		Continued.	To attend Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dabhol-Nagothane-II	29/07/2014	00.05		Continued.	Over Voltage
Kolhapur - Mapusa - I	01/08/2014	16.25		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	01/08/2014	17.46		Continued.	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.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220KV Main Bus 5 at Trombay(T)	03/08/2014	09.00	03/08/2014	16.00	Capex Job.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Jaigad I	28/07/2014	17.01		Continued.	Over Voltage
Bhusawal- Aurangabad	29/07/2014	14.42		Continued.	Over Voltage.
Karad - Kolhapur - I	02/08/2014	16.55		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	02/08/2014	21.47	03/08/2014	07.49	Over Voltage.
Lonikand- Koyna Stage IV	03/08/2014	23.25		Continued.	Over Voltage.
Karad - Lonikand	04/08/2014	00.03		Continued.	Over Voltage.
Padgha - Nagothane - I	04/08/2014	00.30		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - I	28/04/2014	01.14		Continued.	To Control O/L of 220KV Paras-Chikhli
Dahanu - Ghodbandar - I	28/07/2014	15.59		Continued.	H/T due to Tilting of Tower at Loc.No.147
Murud-Tuljapur	31/07/2014	08.14		Continued.	In view of Parli ICT under outage.
Usmanabad-Parli	31/07/2014	12.57		Continued.	To control ICT loading at Parli.
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.
220/100 KV,200MVA ICT - I at Padgha	18/07/2014	02.37		Continued.	Diff.Prot
Gangapur-Valve	23/07/2014	03.16		Continued.	Dist.Prot.Tower Collapse.
Karad Mudsingi-II	04/08/2014	06.37	04/08/2014	6:54	Dist.Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Chinchwad-Baja Auto	03/08/2014	02.45	03/08/2014	02.55	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 04/Aug/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	100
Unit 7	210	140
	620	240
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	470
Unit 5	500	395
	1420	865
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	125
Unit 2	210	130
Unit 3	210	140
Unit 4	210	150
Unit 5	500	0
Unit 6	500	320
Unit 7	500	135
	2340	1000
Paras		
Unit 3	250	170
Unit 4	250	250
	500	420
Khaparkheda		
Unit 1	210	170
Unit 2	210	0
Unit 3	210	170
Unit 4	210	170
Unit 5	500	350
	1340	860
Nasik		
Unit 3	210	0
Unit 4	210	198
Unit 5	210	190
	630	388
Uran		
All Units	852	440
	852	440
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	320
	1920	1090
Hydro		
KDPH	40	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	28
ELDARY	23	0
SMLHY PTN	12	22
GHATGHAR	250	0
	611	150
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	824
WARDHA	405	190
Adani	2640	2446
Other CPPs	300	510
	4545	3970
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1127
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3946
	3455	3946

	21940	14996
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