



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/Aug/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 01/Aug/2014 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	84.768	84.768	1) Gujrat	1.192	1.192
2) Hydro	6.888	6.888	2) Madhya Pradesh	9.331	9.331
3) Gas	10.229	10.229	3) Chattisgarh	5.760	5.760
Total MSGENCO	101.885	101.885	4) Maharashtra Net	59.738	59.738
B) 1) JSW JAIGAD	17.665	17.665	(Incl. 765kV Solapur-Raichur)	-3.099	-3.099
2) WPCL	4.325	4.325	5) Goa	-5.266	-5.266
3) ADANI	51.430	51.430	6) TAPS 1&2 Injection	7.446	7.446
4) Other CPP / IPP	11.640	11.640	7) RGPPL Injection	0.000	0.000
5) Wind Generation	33.832	33.832	8) Pench (Excess)	-0.142	-0.142
6) PENCH (MS)	0.142	0.142	# Total Cent. Sector	78.059	78.059
7) SOLAR	0.840	0.840	F) Other Exchanges		
C) 1) TPCL Thermal	14.072	14.072	1) With TPCL (Excess)	-25.174	-25.174
2) TPCL Hydro	5.192	5.192	G) Bilateral Power *		
TOTAL TPCL	19.264	19.264	1) MSEDCL Bilateral	7.557	7.557
3) REL Thermal	12.167	12.167	Include PX	-10.372	-10.372
D) STATE			2) MUMBAI Bilateral	18.849	18.849
1) Thermal (A1+C1+C3)	111.007	111.007	Include PX	1.878	1.878
2) Hydro (A2+B6+C2)	12.222	12.222	3) MUMBAI Schedule	18.849	18.849
3) Gas (A3)	10.229	10.229	H) ENERGY CATERED (MUs)		
4) Wind (B5)	33.832	33.832	1) MSEDCL	274.644	274.644
5) CPP/IPP (B1+B2+B3+B4)	85.060	85.060	2) TPCL	36.003	36.003
6) SOLAR (B7)	0.840	0.840	3) REL	20.604	20.604
TOTAL STATE	253.190	253.190	TOTAL STATE	331.251	331.251

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3776	3231	3806
MSGENCO Hydro	460	295	238
MSGENCO Gas	424	433	430
MSGENCO Total Generation	4660	3959	4474
Central Sector Receipt	3568	3724	2904
WIND	1354	1650	903
CPP / IPP	3861	3786	3147
SOLAR	69	0	0
Exchange with Mumbai	-1222	-954	-661
MSEDCL DEMAND MET	12290	12186	10767
Load Shedding	50	53	50
MSEDCL DEMAND	12340	12239	10817
TPCL GENERATION	945	1073	508
R-INFRA GENERATION	525	524	457
TPCL+R-INFRA DEMAND	2692	2551	1626
STATE DEMAND MET	14982	14737	12393
STATE DEMAND	15032	14790	12443
Frequency (Hz)	49.85	49.78	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.13 Hz at 16.55 Hrs	49.35 Hz at 19.01 Hrs	49.87	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 01/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	3.15	3.15	140	123	145
Unit 7	3.25	3.25	150	125	150
Total	6.40	6.40			295
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.94	0.94	135	0	95
Unit 4	7.64	7.64	350	290	300
Unit 5	6.73	6.73	310	245	270
Total	15.31	15.31			665
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	3.88	3.88	233	0	192
Unit 7	2.03	2.03	211	0	195
Total	5.91	5.91			387
Chandrapur					
Unit 1	3.04	3.04	130	122	140
Unit 2	3.35	3.35	144	137	150
Unit 3	3.78	3.78	167	145	170
Unit 4	4.17	4.17	203	155	200
Unit 5	3.48	3.48	303	0	300
Unit 6	8.79	8.79	380	355	380
Unit 7	0.00	0.00	0	0	0
Total	26.61	26.61			1340
Paras					
Unit 3	1.70	1.70	150	0	0
Unit 4	4.75	4.75	218	155	180
Total	6.45	6.45			180
Khaparkheda					
Unit 1	2.78	2.78	155	90	170
Unit 2	0.00	0.00	0	0	0
Unit 3	3.15	3.15	156	98	170
Unit 4	3.04	3.04	157	107	170
Unit 5	6.84	6.84	350	180	350
Total	15.81	15.81			860
Nasik					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.15	4.15	180	168	198
Unit 5	4.13	4.13	186	162	190
Total	8.28	8.28			388
Uran					
All Units	10.23	10.23	437	416	440
Total	10.23	10.23			440
PENCH (MS)					
Pench (MS)	0.14	0.14	26	0	
Total	0.14	0.14			
Koyna					
Stage 1-2	1.34	1.34	210	35	520
Stage 4	0.05	0.05	49	0	250
Stage 3	1.53	1.53	202	0	320
Kovna 12&4 Total	1.38	1.38			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.92	2.92			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.16	0.16	61	0	61
TILLARI	0.98	0.98	62	0	63
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.40	0.40	41	0	41
RNGR+BHTSA	0.06	0.06	3	2	3
BHANDARDRA	0.81	0.81	42	12	34
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.91	0.91	45	35	17
GHATGHAR	0.64	0.64	178	0	0
Total	3.97	3.97			219
Wind					
MalharPeth	1.15	1.15			
Vankuswadi	2.25	2.25			
ATIT	0.35	0.35			
Kale	1.08	1.08			
Satara	18.34	18.34			
Shirala	1.42	1.42			
K Mahankal	0.13	0.13			
Supa	0.69	0.69			
Vita	3.84	3.84			
Dondaicha	1.89	1.89			
Sakri	0.48	0.48			
Nandurbar	0.52	0.52			
Khandke	0.31	0.31			
Khaparale	1.38	1.38			
Total	33.83	33.83			
CPP					
JSW JAIGAD	17.66	17.66	845	575	820
WARDHA	4.32	4.32	184	177	180
Adani	51.43	51.43	2410	1720	2446
Other CPPs	11.64	11.64			510
Total	85.06	85.06			3956
SOLAR					
Total	0.84	0.84			
Total	0.84	0.84			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.82	10.82	502	311	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.37	2.37	124	69	120
Trombay 7B	0.88	0.88	62	0	0
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.19	5.19	438	72	447
Total	19.26	19.26			1067
REL					
1&2	12.17	12.17	525	456	500
Total	12.17	12.17			500
Cent Sect					
Share					3699
Total					3699
MS PG CL	Thermal	84.77	84.77		4115
	Thml+Gas	95.00	95.00		4555
	Hydro	6.89	6.89		1309
	Total	101.88	101.88		5864
State Total		253.19	253.19		15086

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/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	3762	359	424	4545	1034	3305	0	3304	3026	-562	-854	11056	79	11135	1844	12979	49.95
2	3798	284	424	4506	975	3201	0	3157	3171	-529	-735	11118	50	11168	1693	12861	49.98
3	3806	238	430	4474	903	3147	0	3172	2904	-529	-661	10767	50	10817	1626	12443	49.97
4	3741	229	426	4396	1035	3013	0	3087	3090	-529	-622	10912	50	10962	1591	12553	49.93
5	3686	209	427	4322	1144	3184	0	3214	3114	-529	-650	11114	50	11164	1609	12773	49.92
6	3734	209	430	4373	1231	3487	0	3364	3215	-529	-782	11536	53	11589	1726	13315	49.87
7	3828	248	422	4498	1255	3728	4	3434	3474	-570	-771	12213	56	12269	1916	14185	49.92
8	3859	245	424	4528	1230	3793	30	3446	3532	-649	-780	12359	56	12415	2066	14481	49.88
9	3840	311	422	4573	1297	3761	57	3702	3503	-728	-997	12213	53	12266	2319	14585	49.78
10	3776	460	424	4660	1354	3861	69	3720	3568	-867	-1222	12290	50	12340	2692	15032	49.85
11	3613	340	425	4378	1424	3898	76	3725	3601	-1080	-1340	12037	50	12087	2897	14984	49.82
12	3559	311	427	4297	1624	3867	95	3629	3507	-1126	-1391	11999	55	12054	2948	15002	49.81
13	3335	199	425	3959	1582	3841	101	3554	3322	-1114	-1393	11412	108	11520	2940	14460	49.89
14	3402	178	416	3996	1623	3790	121	3206	3072	-1047	-1396	11206	58	11264	2836	14100	49.93
15	3346	184	420	3950	1593	3452	104	3286	3247	-1022	-1322	11024	53	11077	2835	13912	49.75
16	3347	189	423	3959	1695	3371	87	3497	3275	-1014	-1300	11087	53	11140	2829	13969	49.86
17	3306	455	429	4190	1654	3250	61	3349	3100	-1009	-1360	10895	53	10948	2794	13742	49.93
18	3332	313	428	4073	1743	3159	29	3161	2936	-981	-1389	10551	58	10609	2772	13381	50.00
19	3365	245	425	4035	1725	3089	6	3468	2970	-971	-1296	10542	58	10600	2673	13273	49.77
20	3247	453	423	4123	1666	3360	0	3646	3667	-756	-1057	11785	58	11843	2673	14516	49.63
21	3231	295	433	3959	1650	3786	0	3586	3724	-698	-954	12186	53	12239	2551	14790	49.78
22	3240	270	431	3941	1602	3901	0	3254	2954	-710	-996	11402	53	11455	2399	13854	49.91
23	3279	347	437	4063	1412	3902	0	3045	3086	-673	-1006	11457	53	11510	2241	13751	49.88
24	3336	317	434	4087	1381	3914	0	2911	3004	-625	-900	11486	53	11539	2135	13674	49.88
MUs	84.77	6.89	10.23	101.88	33.83	85.06	0.84	80.92	78.06	-18.85	-25.17	274.65	1.36	276.01	56.60	332.62	49.87

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 01/Aug/2014

Position as on 6.30 Hrs of 02/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	
Chandrapur Unit 7	500	19/06/2014	06.00		Continued.	A/OH.	
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.	
Bhusawal Unit 3	210	29/07/2014	03.47	01/08/2014	02.58	Boiler Tube Leakage	
Paras Unit 3	250	29/07/2014	22.13	01/08/2014	11.18	Boiler Tube Leakage.	
Parli Unit 5	210	30/07/2014	00.02		Continued.	Water Shortage.	
Tata Trombay 7B	60	30/07/2014	00.44	01/08/2014	10.58	Boiler Certification.	
Khaparkheda Unit 2	210	31/07/2014	11.26		Continued.	Poor Coal Quality.	
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.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 01/Aug/2014

Position as on 6.30 Hrs of 02/Aug/2014

Name of Generating Unit	Capacity	Tripped Date	Trippe d Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
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 01/Aug/2014

Position as on 6.30 Hrs of 02/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 FORCED OUTAGE		
Chakan-Talegaon(PG)	01/08/2014	15.48	01/08/2014	17.36	Taken on TBC @ Chakan, Attending Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dabhol-Nagothane-II	29/07/2014	00.05		Continued.	Over Voltage
Kolhapur - Mapusa - I	30/07/2014	16.25		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	31/07/2014	16.17	01/08/2014	09.27	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.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	26/07/2014	03.00		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Tillary-Amona	02/08/2014	05.40	02/08/2014	07.10	Tripped.
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.
400/220 KV,315 MVA ICT-I at Parli	31/07/2014	08.22	01/08/2014	13.01	Retrofitting of old Electromechanical NDR BY Numerical NDR.
Lonikand- Koyna Stage IV	01/08/2014	11.05		Continued.	Retrofitting Work of Distance Main-2 Prot. Relay.
400 KV Main Bus-I @ Akola	01/08/2014	15.55		Continued.	For Connecting 400KV Extended Bus of APTCL & Testing of Bus Bar.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Padgha-Jambhul II	01/08/2014	10.24	01/08/2014	12.35	Attending Hot Spot on B Phase 245KV CT.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	28/07/2014	14.42		Continued.	Over Voltage
Karad-Jaigad I	28/07/2014	17.01		Continued.	Over Voltage
Bhusawal- Aurangabad	29/07/2014	14.42		Continued.	Over Voltage.
Karad - Newkoyna - I	31/07/2014	02.55	01/08/2014	09.29	Over Voltage.
Karad - Kolhapur - I	31/07/2014	16.07	01/08/2014	09.12	Over Voltage.
Padgha - Nagothane - I	01/08/2014	00.43	01/08/2014	09.27	Over Voltage.
Karad - Kolhapur - II	01/08/2014	16.37		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
Voltage Level : 400KV			Outage Type TRIPPED		
Lonikand- Koyna Stage IV	30/07/2014	15.21		Continued.	Distance Prot.
Warora- Tirora -II	31/07/2014	16.30	01/08/2014	19.58	On PDR.
Karad - Kolhapur - II	01/08/2014	02.48	01/08/2014	08.35	Over Voltage.
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-

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 01/Aug/2014

Position as on 6.30 Hrs of 02/Aug/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Nanded - Ghatodi	12/06/2014	17.40		Continued.	Ghatodi Collapsed(Line taken in service Bypassing Ghatodi LILO at 18.58/13-6-2014)
					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.
Halkarni -Tillary	02/08/2014	05.40	02/08/2014	06.29	Backup Protection.
Karad Mudsingi-II	02/08/2014	06.01	02/08/2014	06.29	Distance Protection..

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 02/Aug/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	140
	620	280
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	340
Unit 5	500	300
	1420	640
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	140
Unit 2	210	150
Unit 3	210	170
Unit 4	210	200
Unit 5	500	0
Unit 6	500	400
Unit 7	500	0
	2340	1060
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	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	3
BHANDARDRA	45	34
ELDARY	23	0
SMLHY PTN	12	17
GHATGHAR	250	0
	611	215
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	825
WARDHA	405	180
Adani	2640	2446
Other CPPs	300	515
	4545	3966
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	387
	2024	1067
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3698
	3455	3698

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