



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

State Load Dispatch Center, Airoli

Daily system Report

for

02/Aug/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 02/Aug/2014 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	79.368	164.136	1) Gujrat	3.232	4.424
2) Hydro	8.138	15.026	2) Madhya Pradesh	8.511	17.842
3) Gas	10.372	20.601	3) Chattisgarh	5.500	11.260
Total MSGENCO	97.878	199.763	4) Maharashtra Net	59.932	119.670
B) 1) JSW JAIGAD	18.884	36.549	(Incl. 765kV Solapur-Raichur)	-8.395	-11.494
2) WPCL	4.335	8.660	5) Goa	-5.821	-11.087
3) ADANI	54.457	105.887	6) TAPS 1&2 Injection	7.446	14.892
4) Other CPP / IPP	11.361	23.001	7) RGPPL Injection	0.000	0.000
5) Wind Generation	38.235	72.067	8) Pench (Excess)	-0.110	-0.252
6) PENCH (MS)	0.110	0.252	# Total Cent. Sector	78.690	156.749
7) SOLAR	0.899	1.739	F) Other Exchanges		
C) 1) TPCL Thermal	14.655	28.727	1) With TPCL (Excess)	-22.654	-47.828
2) TPCL Hydro	4.317	9.509	G) Bilateral Power *		
TOTAL TPCL	18.972	38.236	1) MSEDCL Bilateral	9.016	16.573
3) REL Thermal	12.159	24.326	Include PX	-9.096	-19.468
D) STATE			2) MUMBAI Bilateral	17.929	36.778
1) Thermal (A1+C1+C3)	106.182	217.189	Include PX	0.999	2.878
2) Hydro (A2+B6+C2)	12.565	24.787	3) MUMBAI Schedule	17.929	36.778
3) Gas (A3)	10.372	20.601	H) ENERGY CATERED (MUs)		
4) Wind (B5)	38.235	72.067	1) MSEDCL	282.195	556.839
5) CPP/IPP (B1+B2+B3+B4)	89.037	174.097	2) TPCL	33.167	69.170
6) SOLAR (B7)	0.899	1.739	3) REL	20.618	41.222
TOTAL STATE	257.290	510.480	TOTAL STATE	335.980	667.231

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	3339	3268	3266
MSGENCO Hydro	264	519	199
MSGENCO Gas	420	422	439
MSGENCO Total Generation	4023	4209	3904
Central Sector Receipt	4011	4300	2377
WIND	1672	1553	1334
CPP / IPP	3627	3424	3829
SOLAR	124	0	0
Exchange with Mumbai	-1219	-899	-700
MSEDCL DEMAND MET	12238	12613	10744
Load Shedding	52	55	50
MSEDCL DEMAND	12290	12668	10794
TPCL GENERATION	1030	1109	512
R-INFRA GENERATION	522	521	457
TPCL+R-INFRA DEMAND	2771	2529	1669
STATE DEMAND MET	15009	15142	12413
STATE DEMAND	15061	15197	12463
Frequency (Hz)	49.96	49.80	49.80

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.2 Hz at 17.54 Hrs	49.63 Hz at 08.34 Hrs	49.89	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 02/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	3.19	6.34	145	105	140
Unit 7	3.31	6.56	155	120	140
Total	6.49	12.89			280
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	0.94	0	0	0
Unit 4	7.70	15.34	340	270	340
Unit 5	7.15	13.88	330	270	300
Total	14.84	30.16			640
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	5.92	131	95	140
Unit 2	3.05	6.40	145	107	150
Unit 3	3.14	6.92	165	91	170
Unit 4	3.40	7.57	171	95	200
Unit 5	0.00	3.48	0	0	0
Unit 6	8.08	16.87	385	280	400
Unit 7	1.16	1.16	135	0	0
Total	21.71	48.32			1060
Paras					
Unit 3	3.75	5.44	174	138	170
Unit 4	4.61	9.36	215	161	250
Total	8.36	14.80			420
Khaparkheda					
Unit 1	3.72	6.50	165	140	170
Unit 2	0.00	0.00	0	0	0
Unit 3	3.75	6.90	167	140	170
Unit 4	3.74	6.78	158	153	170
Unit 5	8.41	15.25	380	298	350
Total	19.62	35.43			860
Nasik					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.17	8.32	182	167	198
Unit 5	4.18	8.30	188	168	190
Total	8.34	16.62			388
Uran					
All Units	10.37	20.60	442	420	440
Total	10.37	20.60			440
PENCH (MS)					
Pench (MS)	0.11	0.25	27	0	
Total	0.11	0.25			
Koyna					
Stage 1-2	2.18	3.52	270	35	520
Stage 4	0.00	0.05	0	0	250
Stage 3	1.58	3.12	238	0	320
Kovna 12&4 Total	2.18	3.57			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.77	6.69			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.16	0	0	61
TILLARI	0.76	1.75	62	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.37	0.78	41	0	40
RNGR+BHTSA	0.06	0.12	3	2	3
BHANDARDRA	0.90	1.71	38	37	34
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.90	1.80	44	35	17
GHATGHAR	1.37	2.02	250	0	0
Total	4.37	8.34			215
Wind					
MalharPeth	1.31	2.46			
Vankuswadi	2.28	4.53			
ATIT	0.35	0.71			
Kale	1.04	2.12			
Satara	19.00	37.34			
Shirala	1.34	2.77			
K Mahankal	0.13	0.26			
Supa	0.35	1.04			
Vita	4.17	8.01			
Dondaicha	4.01	5.90			
Sakri	0.95	1.43			
Nandurbar	0.85	1.37			
Khandke	1.69	2.00			
Khaparale	0.76	2.14			
Total	38.24	72.07			
CPP					
JSW JAIGAD	18.88	36.55	849	723	825
WARDHA	4.34	8.66	187	166	180
Adani	54.46	105.89	2410	1940	2446
Other CPPs	11.36	23.00			515
Total	89.04	174.10			3966
SOLAR					
Total	0.90	1.74			
Total	0.90	1.74			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.80	21.62	503	311	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.39	4.76	114	74	120
Trombay 7B	1.47	2.35	66	53	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.32	9.51	451	72	387
Total	18.97	38.24			1067
REL					
1&2	12.16	24.33	525	456	500
Total	12.16	24.33			500
Cent Sect					
Share					3698
Total					3698
MS PG CL	Thermal	79.37	164.14		3648
	Thml+Gas	89.74	184.74		4088
	Hydro	8.14	15.03		1305
	Total	97.88	199.76		5393
State Total		257.29	510.48		14624

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 02/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	3320	334	442	4096	1342	3810	0	2515	2718	-468	-763	11203	76	11279	1854	13133	49.93
2	3259	274	437	3970	1251	3740	0	2521	2762	-492	-742	10981	50	11031	1721	12752	49.81
3	3266	199	439	3904	1334	3829	0	2546	2377	-462	-700	10744	50	10794	1669	12463	49.80
4	3317	119	439	3875	1492	3781	0	2604	2605	-440	-645	11108	50	11158	1617	12775	49.91
5	3314	109	440	3863	1482	3752	0	2636	2468	-507	-649	10916	50	10966	1623	12589	49.85
6	3295	258	439	3992	1510	3801	0	2839	3121	-507	-724	11700	54	11754	1701	13455	49.79
7	3309	224	439	3972	1567	3786	5	3301	3365	-515	-726	11980	57	12037	1837	13874	49.93
8	3329	194	430	3953	1566	3893	31	3528	3515	-637	-762	12223	57	12280	2010	14290	49.98
9	3303	238	430	3971	1764	3910	60	3677	3607	-705	-884	12439	54	12493	2233	14726	49.82
10	3340	436	428	4204	1799	3962	104	3660	3431	-800	-1064	12436	50	12486	2547	15033	49.81
11	3288	306	426	4020	1595	3882	115	3654	3625	-1081	-1179	12058	50	12108	2768	14876	49.85
12	3339	264	420	4023	1672	3627	124	3623	4011	-1082	-1219	12238	52	12290	2771	15061	49.96
13	3337	477	439	4253	1764	3627	109	3383	3588	-1059	-1263	12078	104	12182	2767	14949	50.01
14	3368	372	429	4169	1863	3746	80	3180	3020	-972	-1227	11651	54	11705	2610	14315	49.97
15	3358	204	433	3995	1770	3681	103	3320	3275	-940	-1156	11668	53	11721	2583	14304	49.82
16	3342	204	437	3983	1908	3442	79	3538	3453	-913	-1136	11729	51	11780	2514	14294	49.84
17	3292	304	435	4031	1821	3363	61	3150	3511	-887	-1110	11677	51	11728	2483	14211	49.93
18	3228	419	429	4076	1702	3490	24	2804	3128	-884	-1218	11202	53	11255	2479	13734	50.02
19	3276	240	422	3938	1652	3509	4	3646	3487	-911	-1206	11410	54	11464	2476	13940	49.94
20	3268	519	422	4209	1553	3424	0	3827	4300	-747	-899	12613	55	12668	2529	15197	49.80
21	3318	758	424	4500	1452	3526	0	3817	3859	-738	-808	12538	52	12590	2463	15053	49.76
22	3320	879	424	4623	1499	3714	0	3158	3328	-789	-865	12299	51	12350	2346	14696	49.92
23	3329	461	430	4220	1447	3841	0	3195	2976	-758	-897	11587	51	11638	2166	13804	49.89
24	3253	346	439	4038	1430	3901	0	3123	3160	-635	-812	11717	51	11768	2018	13786	49.91
MUs	79.37	8.14	10.37	97.88	38.24	89.04	0.90	77.24	78.69	-17.93	-22.65	282.20	1.33	283.52	53.78	337.31	49.89

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 02/Aug/2014

Position as on 6.30 Hrs of 03/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	02/08/2014	11.47	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.	
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 02/Aug/2014

Position as on 6.30 Hrs of 03/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.
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.
Lonikand- Koyna Stage IV	01/08/2014	11.05	02/08/2014	15.13	Retrofitting Work of Distance Main-2 Prot. Relay.
400 KV Main Bus-I @ Akola	01/08/2014	15.55	02/08/2014	18.21	For Connecting 400KV Extended Bus of APTCL & Testing of Bus Bar.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Koradi-Khaperkheda	02/08/2014	08.20	02/08/2014	16.51	String work of Koradi-Wardha PG Ckt.
Khaperkheda-Purti	02/08/2014	08.22	02/08/2014	16.41	String work of Koradi-Wardha PG Ckt.
Pedambe-Newkoyna	02/08/2014	10.10	02/08/2014	14.03	Damage conductor work.
220/132 KV,200 MVA ICT-I at Ahamadnagar	02/08/2014	10.14	02/08/2014	14.28	R.M.Work
Bhandara - Sunflag - II	02/08/2014	10.52	02/08/2014	15.50	Testing of CT and PT.
Aurangabad - Bhenda	02/08/2014	11.14	02/08/2014	14.04	Half yearly maint.work.
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 - II	01/08/2014	16.37	02/08/2014	08.28	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.
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

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 02/Aug/2014

Position as on 6.30 Hrs of 03/Aug/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Aurangabad-Jalna-II	02/07/2014	14.33		Continued.	taken in service Bypassing Ghatodi LILO at 18.58/13-6-2014)
					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..
Babaleshwar - Nagar - II	02/08/2014	21.24	02/08/2014	21.57	Dist Prot,BBLSR end only.
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 03/Aug/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	150
	620	290
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	293
Unit 5	500	284
	1420	577
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	250
	2340	1310
Paras		
Unit 3	250	152
Unit 4	250	230
	500	382
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	0
	53	0
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	3
BHANDARDRA	45	36
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	149
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	0
Trombay 6	500	500
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	3717
	3455	3717