



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

State Load Dispatch Center, Airoli

Daily system Report

for

31/Jul/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 31/Jul/2014 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	91.306	3184.347	1) Gujrat	0.130	-9.860
2) Hydro	8.960	180.996	2) Madhya Pradesh	8.464	430.413
3) Gas	9.398	295.263	3) Chattisgarh	6.340	217.020
Total MSGENCO	109.664	3660.606	4) Maharashtra Net	56.690	2287.883
B) 1) JSW JAIGAD	18.442	708.435	(Incl. 765kV Solapur-Raichur)	-2.612	-121.807
2) WPCL	4.314	111.436	5) Goa	-5.720	-197.894
3) ADANI	52.730	1318.452	6) TAPS 1&2 Injection	7.216	201.123
4) Other CPP / IPP	12.030	460.568	7) RGPPL Injection	0.000	0.000
5) Wind Generation	30.651	1082.049	8) Pench (Excess)	-0.039	-4.380
6) PENCH (MS)	0.039	4.447	# Total Cent. Sector	73.081	2924.305
7) SOLAR	0.547	22.271	F) Other Exchanges		
C) 1) TPCL Thermal	14.881	491.856	1) With TPCL (Excess)	-23.700	-781.426
2) TPCL Hydro	4.488	100.788	G) Bilateral Power *		
TOTAL TPCL	19.369	592.644	1) MSEDCL Bilateral	6.478	772.392
3) REL Thermal	12.331	361.451	Include PX	-11.380	67.332
D) STATE			2) MUMBAI Bilateral	21.725	748.125
1) Thermal (A1+C1+C3)	118.518	4037.654	Include PX	3.450	122.412
2) Hydro (A2+B6+C2)	13.487	286.231	3) MUMBAI Schedule	21.725	761.548
3) Gas (A3)	9.398	295.263	H) ENERGY CATERED (MUs)		
4) Wind (B5)	30.651	1082.049	1) MSEDCL	277.798	9511.143
5) CPP/IPP (B1+B2+B3+B4)	87.516	2598.891	2) TPCL	35.379	1094.026
6) SOLAR (B7)	0.547	22.271	3) REL	20.022	641.484
TOTAL STATE	260.117	8322.359	TOTAL STATE	333.199	11246.653

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	3833	3626	3842
MSGENCO Hydro	393	744	77
MSGENCO Gas	365	415	438
MSGENCO Total Generation	4591	4785	4357
Central Sector Receipt	3655	3602	2720
WIND	1272	1177	1330
CPP / IPP	3650	3898	2994
SOLAR	89	0	0
Exchange with Mumbai	-1295	-880	-641
MSEDCL DEMAND MET	11962	12597	10760
Load Shedding	53	54	51
MSEDCL DEMAND	12015	12651	10811
TPCL GENERATION	1033	1032	545
R-INFRA GENERATION	524	522	457
TPCL+R-INFRA DEMAND	2852	2434	1643
STATE DEMAND MET	14814	15031	12403
STATE DEMAND	14867	15085	12454
Frequency (Hz)	49.85	49.76	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.21 Hz at 12.54 Hrs	49.62 Hz at 19.16 Hrs	49.92	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 31/Jul/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	2.05	84.48	146	0	0
Unit 7	3.37	109.94	155	106	140
Total	5.42	194.42			140
Bhusawal					
Unit 2	0.00	47.15	0	0	0
Unit 3	0.00	64.54	0	0	0
Unit 4	7.72	204.19	355	280	340
Unit 5	7.68	232.86	360	290	338
Total	15.40	548.75			678
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	93.15	0	0	0
Unit 6	4.71	142.37	216	181	195
Unit 7	4.48	140.28	208	169	175
Total	9.19	375.80			370
Chandrapur					
Unit 1	2.88	75.26	125	95	120
Unit 2	3.04	93.75	143	97	130
Unit 3	3.68	87.28	169	142	160
Unit 4	3.88	122.76	184	155	180
Unit 5	7.39	292.03	325	287	300
Unit 6	8.66	263.51	385	350	380
Unit 7	0.00	0.00	0	0	0
Total	29.52	934.60			1270
Paras					
Unit 3	0.00	116.76	0	0	0
Unit 4	3.61	103.26	214	0	230
Total	3.61	220.02			230
Khaparkheda					
Unit 1	3.48	81.08	165	130	170
Unit 2	1.49	109.24	155	0	170
Unit 3	3.56	79.17	160	141	170
Unit 4	3.52	104.46	158	140	170
Unit 5	7.89	245.55	355	287	350
Total	19.93	619.49			1030
Nasik					
Unit 3	0.00	41.57	0	0	0
Unit 4	4.13	124.89	181	160	198
Unit 5	4.10	124.80	180	160	190
Total	8.22	291.27			388
Uran					
All Units	9.40	295.26	438	318	440
Total	9.40	295.26			440
PENCH (MS)					
Pench (MS)	0.04	4.45	21	0	
Total	0.04	4.45			
Koyna					
Stage 1-2	2.00	52.28	355	40	600
Stage 4	0.20	3.71	197	0	250
Stage 3	2.31	36.66	236	0	320
Kovna 12&4 Total	2.19	55.99			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	4.50	92.65			1170
Hydro					
KDPH	0.00	4.14	0	0	0
VTRNA	0.25	11.25	61	0	61
TILLARI	0.93	10.24	63	0	61
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.46	8.44	41	0	41
RNGR+BHTSA	0.05	2.50	3	2	0
BHANDARDRA	0.62	5.58	43	0	34
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.90	9.76	45	35	11
GHATGHAR	1.24	36.44	250	0	0
Total	4.46	88.34			208
Wind					
MalharPeth	1.26	32.11			
Vankuswadi	1.82	49.30			
ATIT	0.32	8.63			
Kale	0.97	24.18			
Satara	16.99	510.09			
Shirala	1.27	32.35			
K Mahankal	0.13	5.06			
Supa	0.26	8.95			
Vita	4.08	114.97			
Dondaicha	0.78	179.09			
Sakri	0.28	25.99			
Nandurbar	0.47	21.00			
Khandke	1.27	37.05			
Khaparale	0.75	33.26			
Total	30.65	1082.05			
CPP					
JSW JAIGAD	18.44	708.44	864	645	820
WARDHA	4.31	111.44	186	174	180
Adani	52.73	1318.45	2410	1720	2446
Other CPPs	12.03	449.88			510
Total	87.52	2588.20			3956
SOLAR					
Total	0.55	22.27			
Total	0.55	22.27			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.08	307.18	499	318	500
Trombay 6	3.32	66.19	155	0	500
Trombay 7A	0.49	74.76	117	0	0
Trombay 7B	0.00	43.73	0	0	0
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.49	100.79	347	72	447
Total	19.37	592.64			1447
REL					
1&2	12.33	361.45	525	457	500
Total	12.33	361.45			500
Cent Sect					
Share					3508
Total					3508
MS PG CL	Thermal	91.31	3184.35		4106
	Thml+Gas	100.70	3479.61		4546
	Hydro	8.96	181.00		1378
	Total	109.66	3660.61		5924
State Total		260.12	8322.36		15335

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 31/Jul/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	3819	109	420	4348	961	3895	0	2725	2871	-642	-715	11360	80	11440	1915	13355	49.87
2	3799	97	432	4328	991	3851	0	2507	2342	-658	-519	10993	51	11044	1767	12811	49.99
3	3742	77	430	4249	1208	3716	0	2390	2457	-637	-545	11085	51	11136	1683	12819	50.00
4	3789	87	431	4307	1366	3149	0	2376	2686	-596	-642	10866	51	10917	1644	12561	50.00
5	3842	77	438	4357	1330	2994	0	2379	2720	-599	-641	10760	51	10811	1643	12454	50.00
6	3893	103	434	4430	1391	3237	0	2773	2961	-624	-718	11301	51	11352	1737	13089	49.93
7	3931	308	385	4624	1321	3659	4	2962	3277	-667	-815	12070	53	12123	1921	14044	49.91
8	3906	349	318	4573	1356	3749	15	3053	3453	-811	-851	12295	53	12348	2090	14438	49.93
9	3946	486	320	4752	1272	3843	28	3397	3446	-1025	-1072	12269	54	12323	2366	14689	49.98
10	3988	483	320	4791	1257	3828	40	3824	3436	-1116	-1241	12111	54	12165	2636	14801	49.82
11	3959	367	321	4647	1285	3636	74	3801	3647	-1268	-1298	11991	53	12044	2821	14865	49.86
12	3833	393	365	4591	1272	3650	89	3617	3655	-1264	-1295	11962	53	12015	2852	14867	49.85
13	3867	378	396	4641	1382	3690	82	3244	3210	-1251	-1322	11683	108	11791	2838	14629	49.95
14	3890	295	406	4591	1358	3620	77	3027	2827	-1179	-1311	11162	57	11219	2704	13923	49.94
15	3926	242	386	4554	1460	3467	46	3037	2773	-1162	-1242	11058	56	11114	2714	13828	49.81
16	3894	223	389	4506	1440	3462	35	3227	3079	-1151	-1214	11308	54	11362	2679	14041	49.93
17	3864	228	370	4462	1423	3477	40	3158	3165	-1104	-1256	11311	54	11365	2652	14017	49.99
18	3615	359	370	4344	1414	3471	15	2889	2905	-1058	-1262	10887	56	10943	2619	13562	49.98
19	3628	730	384	4742	1299	3590	2	3068	3025	-1040	-1202	11459	58	11517	2574	14091	49.98
20	3652	705	408	4765	1283	3889	0	3605	3526	-918	-981	12503	54	12557	2526	15083	49.92
21	3626	744	415	4785	1177	3898	0	3541	3602	-852	-880	12597	54	12651	2434	15085	49.76
22	3641	871	414	4926	1109	3937	0	2732	2808	-851	-911	11869	54	11923	2337	14260	49.87
23	3576	865	422	4863	1185	3918	0	2521	2476	-660	-928	11514	54	11568	2202	13770	49.95
24	3680	384	424	4488	1111	3890	0	2931	2734	-593	-839	11384	54	11438	2046	13484	49.96
MUs	91.31	8.96	9.40	109.66	30.65	87.52	0.55	72.78	73.08	-21.72	-23.70	277.80	1.37	279.17	55.40	334.57	49.92

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 31/Jul/2014

Position as on 6.30 Hrs of 01/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.	
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		Continued.	Boiler Tube Leakage.	
Tata Trombay 7A	120	29/07/2014	23.58	31/07/2014	10.57	Boiler Certification.	
Parli Unit 5	210	30/07/2014	00.02		Continued.	Water Shortage.	
Tata Trombay 7B	60	30/07/2014	00.44		Continued.	Boiler Certification.	
Koradi Unit 6	210	30/07/2014	19.00	31/07/2014	08.26	Id Fan Problem.	
Uran Unit 7	108	31/07/2014	06.50	31/07/2014	08.02	Hydrolic System Problem.	
Uran Unit B0	120	31/07/2014	06.50	31/07/2014	12.38	Hydrolic System Problem.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 31/Jul/2014

Position as on 6.30 Hrs of 01/Aug/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Khaparkheda Unit 2	210	31/07/2014	11.26		Continued.	Poor Coal Quality.	
Tata Trombay 7A	120	31/07/2014	12:10	31/07/2014	19:16	Further inspection and testing	
Paras Unit 4	250	31/07/2014	16.59	31/07/2014	22.44	Genrator Prot.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 31/Jul/2014

Position as on 6.30 Hrs of 01/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 : 220KV			Outage Type PLANNED OUTAGE		
Talegaon PG-Talegaon AMBI Ckt I	31/07/2014	09.30	31/07/2014	15.20	RPEL OF Relay.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	28/07/2014	17.12	31/07/2014	09.33	Over Voltage
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		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	26/07/2014	03.00		Continued.	Over Voltage.
765 KV Aurangabad PG - Wardha PG - II	29/07/2014	12.41	31/07/2014	22.06	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.
400/220 KV,315 MVA ICT-I at Parli	31/07/2014	08.22		Continued.	Retrofitting of old Electromechanical NDR BY Numerical NDR.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Jejuri - Parvati	31/07/2014	09.33	31/07/2014	17.01	Replacement Of 220kv Bus Isolator.
Bus Section I at Parvati	31/07/2014	09.33	31/07/2014	17.01	Replacement Of 220kv Bus Isolator.
Lonand-Phaltan MIDC I	31/07/2014	09.58	31/07/2014	14.30	Q.M.Work.
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 - Kolhapur - I	30/07/2014	16.10	31/07/2014	08.56	Over Voltage.
Karad - Newkoyna - I	31/07/2014	02.55		Continued.	Over Voltage.
Karad - Kolhapur - I	31/07/2014	16.07		Continued.	Over Voltage.
Padgha - Nagothane - I	01/08/2014	00.43		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.
Karad-Kolhapur-II	31/07/2014	02.50	31/07/2014	08.50	Over Voltage.
400/220 KV 315 MVA ICT - II @ Parli	31/07/2014	12.47	31/07/2014	12.59	On Indication Only HV side.
Karad - Kolhapur - II	01/08/2014	02.48		Continued.	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-Ghatodi Collapsed(Line taken in service Bypassing Ghatodi LILO at

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 31/Jul/2014

Position as on 6.30 Hrs of 01/Aug/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					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.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/Aug/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	145
Unit 7	210	150
	620	295
Bhusawal		
Unit 2	210	0
Unit 3	210	95
Unit 4	500	300
Unit 5	500	270
	1420	665
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	192
Unit 7	250	195
	1130	387
Chandrapur		
Unit 1	210	140
Unit 2	210	150
Unit 3	210	170
Unit 4	210	200
Unit 5	500	300
Unit 6	500	380
Unit 7	500	0
	2340	1340
Paras		
Unit 3	250	0
Unit 4	250	180
	500	180
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	63
BHTGR/VEER	21	0
BHIRA T.R.	80	41
RNGR+BHTSA	20	3
BHANDARDRA	45	34
ELDARY	23	0
SMLHY PTN	12	17
GHATGHAR	250	0
	611	219
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	820
WARDHA	405	180
Adani	2640	2446
Other CPPs	300	510
	4545	3956
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	0
Trombay 8	250	0
TATA Hydro	444	447
	2024	1067
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3699
	3455	3699