



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/Jul/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 28/Jul/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	95.651	2902.948	1) Gujrat	0.194	-12.825
2) Hydro	5.812	155.859	2) Madhya Pradesh	12.358	404.821
3) Gas	10.374	265.478	3) Chattisgarh	6.490	198.930
Total MSGENCO	111.837	3324.285	4) Maharashtra Net	61.849	2122.223
B) 1) JSW JAIGAD	18.529	652.574	(Incl. 765kV Solapur-Raichur)	-3.573	-108.900
2) WPCL	4.090	98.574	5) Goa	-6.970	-179.563
3) ADANI	47.370	1174.222	6) TAPS 1&2 Injection	4.593	181.685
4) Other CPP / IPP	11.359	426.606	7) RGPPL Injection	0.000	0.000
5) Wind Generation	38.808	976.604	8) Pench (Excess)	-0.179	-4.200
6) PENCH (MS)	0.179	4.267	# Total Cent. Sector	78.335	2711.071
7) SOLAR	0.443	20.735	F) Other Exchanges		
C) 1) TPCL Thermal	10.759	452.490	1) With TPCL (Excess)	-26.939	-705.569
2) TPCL Hydro	6.563	87.655	G) Bilateral Power *		
TOTAL TPCL	17.322	540.145	1) MSEDCL Bilateral	17.313	740.398
3) REL Thermal	11.897	326.208	Include PX	0.000	88.161
D) STATE			2) MUMBAI Bilateral	25.492	683.465
1) Thermal (A1+C1+C3)	118.307	3681.646	Include PX	7.185	110.347
2) Hydro (A2+B6+C2)	12.554	247.781	3) MUMBAI Schedule	25.685	695.893
3) Gas (A3)	10.374	265.478	H) ENERGY CATERED (MUs)		
4) Wind (B5)	38.808	976.604	1) MSEDCL	284.011	8683.369
5) CPP/IPP (B1+B2+B3+B4)	81.348	2351.976	2) TPCL	35.923	992.195
6) SOLAR (B7)	0.443	20.735	3) REL	20.236	579.711
TOTAL STATE	261.834	7544.220	TOTAL STATE	340.170	10255.275

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 1 Hrs
MSGENCO Thermal	3980	3958	4061
MSGENCO Hydro	267	443	75
MSGENCO Gas	437	428	435
MSGENCO Total Generation	4684	4829	4571
Central Sector Receipt	3640	3847	2853
WIND	1649	1693	1590
CPP / IPP	4029	3069	2698
SOLAR	73	0	0
Exchange with Mumbai	-1436	-1152	-944
MSEDCL DEMAND MET	12639	12313	10768
Load Shedding	53	54	80
MSEDCL DEMAND	12692	12367	10848
TPCL GENERATION	923	1034	403
R-INFRA GENERATION	525	442	524
TPCL+R-INFRA DEMAND	2884	2628	1871
STATE DEMAND MET	15523	14941	12639
STATE DEMAND	15576	14995	12719
Frequency (Hz)	49.90	49.78	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.25 Hz at 12.54 Hrs	49.64 Hz at 19.17 Hrs	49.96	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 28/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	3.14	76.62	145	115	140
Unit 7	2.21	99.86	155	0	145
Total	5.36	176.48			285
Bhusawal					
Unit 2	0.00	47.15	0	0	0
Unit 3	3.29	64.08	150	115	140
Unit 4	0.00	188.12	0	0	0
Unit 5	7.35	211.23	335	265	330
Total	10.64	510.58			470
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.76	89.46	160	149	150
Unit 6	5.10	128.07	250	189	200
Unit 7	4.71	126.64	246	173	200
Total	13.56	344.17			550
Chandrapur					
Unit 1	3.07	66.50	138	119	125
Unit 2	2.84	84.40	145	90	130
Unit 3	3.60	76.53	159	140	150
Unit 4	3.93	111.40	180	155	160
Unit 5	9.50	266.84	450	358	375
Unit 6	7.55	238.65	366	253	280
Unit 7	0.00	0.00	0	0	0
Total	30.49	844.31			1220
Paras					
Unit 3	3.67	113.58	164	144	190
Unit 4	4.37	90.82	208	155	250
Total	8.04	204.40			440
Khaparkheda					
Unit 1	3.74	70.78	180	130	170
Unit 2	3.59	101.09	175	140	170
Unit 3	0.01	68.90	10	0	0
Unit 4	4.08	93.70	200	162	200
Unit 5	7.72	221.85	360	280	350
Total	19.14	556.31			890
Nasik					
Unit 3	0.00	41.57	0	0	0
Unit 4	4.24	112.63	192	165	198
Unit 5	4.18	112.49	189	167	190
Total	8.42	266.70			388
Uran					
All Units	10.37	265.48	440	428	440
Total	10.37	265.48			440
PENCH (MS)					
Pench (MS)	0.18	4.27	27	0	
Total	0.18	4.27			
Koyna					
Stage 1-2	1.14	46.48	130	40	600
Stage 4	0.00	3.36	0	0	250
Stage 3	1.66	30.84	166	0	320
Kovna 12&4 Total	1.14	49.84			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.80	80.67			1170
Hydro					
KDPH	0.00	4.14	0	0	0
VTRNA	0.32	9.94	61	0	0
TILLARI	0.18	8.17	61	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.46	6.98	42	0	40
RNGR+BHTSA	0.03	2.45	2	1	0
BHANDARDRA	0.11	3.29	34	0	20
ELDARY	0.00	0.00	0	0	10
SMLHY PTN	0.77	7.28	40	29	0
GHATGHAR	1.15	32.92	250	0	0
Total	3.02	75.19			130
Wind					
MalharPeth	1.27	28.29			
Vankuswadi	1.59	43.84			
ATIT	0.34	7.55			
Kale	0.93	21.10			
Satara	19.65	452.36			
Shirala	1.30	28.17			
K Mahankal	0.11	4.56			
Supa	0.17	8.06			
Vita	3.98	101.70			
Dondaicha	5.06	173.55			
Sakri	1.01	24.74			
Nandurbar	0.78	19.37			
Khandke	1.23	33.17			
Khaparale	1.38	30.14			
Total	38.81	976.60			
CPP					
JSW JAIGAD	18.53	652.57	908	636	825
WARDHA	4.09	98.57	174	166	170
Adani	47.37	1174.22	2410	1460	2446
Other CPPs	11.36	415.91			435
Total	81.35	2341.28			3876
SOLAR					
Total	0.44	20.74			
Total	0.44	20.74			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	283.74	0	0	0
Trombay 6	6.86	54.67	481	0	500
Trombay 7A	2.42	71.80	115	68	120
Trombay 7B	1.47	42.28	66	52	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	6.56	87.66	471	72	447
Total	17.32	540.14			1127
REL					
1&2	11.90	326.21	525	440	500
Total	11.90	326.21			500
Cent Sect					
Share					4623
Total					4623
MS PG CL	Thermal	95.65	2902.95		4243
	Thml+Gas	106.02	3168.43		4683
	Hydro	5.81	155.86		1300
	Total	111.84	3324.28		5983
State Total		261.83	7544.22		16109

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/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	4061	75	435	4571	1590	2698	0	2747	2853	-662	-944	10768	80	10848	1871	12719	49.99
2	4009	70	433	4512	1617	3324	0	2880	2591	-634	-880	11164	52	11216	1745	12961	50.01
3	4016	70	430	4516	1730	3109	0	2747	2543	-549	-843	11055	52	11107	1667	12774	50.00
4	4007	70	432	4509	1773	3174	0	2656	2552	-572	-829	11179	52	11231	1626	12857	49.97
5	4017	90	430	4537	1635	2900	0	2798	2868	-574	-752	11188	52	11240	1649	12889	50.00
6	4028	75	432	4535	1504	3099	0	3262	3351	-747	-785	11704	53	11757	1735	13492	50.01
7	4088	121	429	4638	1534	3509	3	3569	3724	-841	-889	12526	55	12581	1878	14459	49.98
8	4175	298	434	4907	1460	3703	11	3681	3695	-990	-1028	12768	55	12823	2044	14867	50.02
9	4123	321	440	4884	1543	3813	26	3943	3771	-1095	-1226	12811	54	12865	2333	15198	49.98
10	4009	303	436	4748	1396	3993	53	4071	3645	-1298	-1324	12511	53	12564	2663	15227	49.88
11	3980	267	437	4684	1649	4029	73	3650	3640	-1467	-1436	12639	53	12692	2884	15576	49.90
12	3996	286	438	4720	1755	3963	44	3637	3105	-1519	-1432	12155	54	12209	2936	15145	50.04
13	4038	145	430	4613	1548	3874	52	3561	3005	-1463	-1428	11664	109	11773	2862	14635	50.05
14	4058	151	434	4643	1495	3695	52	3509	3336	-1393	-1282	11939	57	11996	2762	14758	49.98
15	4046	174	428	4648	1501	3623	48	3821	3256	-1415	-1257	11819	54	11873	2778	14651	49.88
16	3902	225	429	4556	1654	3364	37	4030	3730	-1434	-1321	12020	54	12074	2769	14843	49.86
17	3874	270	434	4578	1798	3126	26	3852	3410	-1491	-1294	11644	54	11698	2717	14415	49.95
18	3829	241	434	4504	1819	3060	13	3567	3254	-1374	-1256	11404	55	11459	2695	14154	49.99
19	3820	255	433	4508	1833	3113	5	3608	3417	-1321	-1210	11693	54	11747	2618	14365	49.91
20	3958	443	428	4829	1693	3069	0	3874	3847	-1088	-1152	12313	54	12367	2628	14995	49.78
21	3937	542	430	4909	1540	3235	0	3924	3669	-1047	-1118	12262	54	12316	2547	14863	49.94
22	3907	537	430	4874	1566	3279	0	3480	3322	-1054	-1113	11955	54	12009	2385	14394	49.96
23	3919	428	430	4777	1583	3287	0	3160	2801	-865	-1101	11374	54	11428	2285	13713	49.94
24	3854	355	428	4637	1592	3309	0	3050	2950	-791	-1039	11456	54	11510	2081	13591	50.00
MUs	95.65	5.81	10.37	111.84	38.81	81.35	0.44	83.08	78.34	-25.68	-26.94	284.01	1.37	285.38	56.16	341.54	49.96

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 28/Jul/2014

Position as on 6.30 Hrs of 29/Jul/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	
Tata Trombay 6	500	12/07/2014	22.13	28/07/2014	04.08	Economic shut down	
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	
Khaparkheda Unit 3	210	20/07/2014	10.30	28/07/2014	22.10	flame failure	
Bhusawal Unit 4	500	23/07/2014	00.03	29/07/2014	01.51	Boiler Tube Leakage.	
CPP VIPL U-1	300	23/07/2014	00.05		Continued.	Bunker Coal Feed Problem.	
Tata Trombay 5	500	27/07/2014	00.00		Continued.	Boiler Tube Leakage.	
Koradi Unit 7	210	28/07/2014	09.25	28/07/2014	11.17	Flame Failure	
Koradi Unit 7	210	28/07/2014	15.09	28/07/2014	18.39	High Furnace pressure	
Khaparkheda Unit 3	210	28/07/2014	22.26	29/07/2014	00.41	Tripped while changing over the Aux.power supply	
Bhusawal Unit 3	210	29/07/2014	03.47		Continued.	Boiler Tube Leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Jul/2014

Position as on 6.30 Hrs of 29/Jul/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.
Parly(PG) - Wardha (PG) - I	28/07/2014	10.18	28/07/2014	14.53	Red Hot
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Talangade-Chikodi	28/07/2014	11.39	28/07/2014	18.20	Repl.of Old panel at chikodi
Voltage Level : 400KV			Outage Type HAND TRIPPED		
765 KV Seoni-Wardha-II	23/07/2014	01.38		Continued.	Over Voltage,
Dhule-Sar'Sarovar - II	23/07/2014	22.02	28/07/2014	09.45	Over Voltage.
Kolhapur - Mapusa - I	26/07/2014	17.24		Continued.	over voltage
Dhule-Sar'Sarovar - I	28/07/2014	17.12		Continued.	Over Voltage
Dabhol-Nagothane-II	29/07/2014	00.05		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
765KV Aurangabad PG-Wardha PG-I	16/07/2014	03.52		Continued.	Over Voltage.
Dabhol-Nagothane - II	26/07/2014	03.00		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.
400/220 KV,500MVA ICT-II at Deepnagar.	28/07/2014	13.56	28/07/2014	20.40	Retro fitting of NDR relay
400/220/33 KV 315 MVA ICT - I @ Akola	28/07/2014	15.17	28/07/2014	18.29	To rectify fire detector false CTR alarm
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	26/07/2014	17.05	28/07/2014	08.54	over voltage
Karad-Jaigad I	26/07/2014	17.08	28/07/2014	09.01	over voltage
Bhusawal- Aurangabad	26/07/2014	18.55	28/07/2014	09.37	over voltage
Lonikand- Koyna Stage IV	27/07/2014	17.39	28/07/2014	07.54	Over Voltage
Karad - Lonikand	27/07/2014	23.59	28/07/2014	06.38	Over Voltage
Dabhol - Nagothane - I	28/07/2014	03.09	28/07/2014	08.36	Over Voltage
Padgha - Nagothane - I	28/07/2014	03.13	28/07/2014	06.52	Over Voltage
Bhusawal- Aurangabad	28/07/2014	14.42		Continued.	Over Voltage
Karad-Jaigad I	28/07/2014	17.01		Continued.	Over Voltage
Karad - Kolhapur - I	28/07/2014	17.07		Continued.	Over Voltage
Lonikand- Koyna Stage IV	28/07/2014	21.51		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
Dahanu-Ghodbandar-II	28/07/2014	16.01		Continued.	H/T due to Tilting of Tower at Loc.No.147
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 315 MVA ICT @ Akola	28/07/2014	20.16	29/07/2014	03.36	Tripped on NDR
Deepnagar-Tapitatanda	29/07/2014	03.03		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 28/Jul/2014

Position as on 6.30 Hrs of 29/Jul/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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.
Dahanu - Ghodbandar - I	28/07/2014	08.47	28/07/2014	10.57	Distance protection
220/132KV 100 MVA ICT II at Amalner	28/07/2014	21.24		Continued.	Y phase C.T Burst

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 29/Jul/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	155
Unit 7	210	155
	620	310
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	82
Unit 5	500	283
	1420	365
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	155
Unit 6	250	185
Unit 7	250	185
	1130	525
Chandrapur		
Unit 1	210	140
Unit 2	210	150
Unit 3	210	180
Unit 4	210	210
Unit 5	500	450
Unit 6	500	380
Unit 7	500	0
	2340	1510
Paras		
Unit 3	250	152
Unit 4	250	230
	500	382
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	150
Unit 4	210	170
Unit 5	500	350
	1340	1010
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	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	0
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	61
BHTGR/VEER	21	0
BHIRA T.R.	80	41
RNGR+BHTSA	20	5
BHANDARDRA	45	10
ELDARY	23	
SMLHY PTN	12	30
GHATGHAR	250	
	611	208
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	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	3605
	3455	3605