



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

State Load Dispatch Center, Airoli

Daily system Report

for

26/Jul/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 26/Jul/2014 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	96.959	2708.549	1) Gujrat	-0.799	-12.163
2) Hydro	4.775	143.544	2) Madhya Pradesh	16.504	379.819
3) Gas	11.191	245.184	3) Chattisgarh	7.290	186.040
Total MSGENCO	112.925	3097.277	4) Maharashtra Net	69.135	1997.445
B) 1) JSW JAIGAD	19.853	615.130	(Incl. 765kV Solapur-Raichur)	-7.286	-101.127
2) WPCL	4.066	90.386	5) Goa	-7.203	-165.662
3) ADANI	55.110	1074.422	6) TAPS 1&2 Injection	4.217	170.947
4) Other CPP / IPP	8.416	405.592	7) RGPPL Injection	0.000	0.000
5) Wind Generation	29.857	901.728	8) Pench (Excess)	-0.293	-3.667
6) PENCH (MS)	0.293	3.734	# Total Cent. Sector	88.851	2552.759
7) SOLAR	0.857	19.622	F) Other Exchanges		
C) 1) TPCL Thermal	13.802	437.619	1) With TPCL (Excess)	-26.469	-652.807
2) TPCL Hydro	4.182	74.949	G) Bilateral Power *		
TOTAL TPCL	17.984	512.568	1) MSEDCL Bilateral	12.610	708.675
3) REL Thermal	12.180	301.776	Include PX	-4.919	88.919
D) STATE			2) MUMBAI Bilateral	24.968	636.713
1) Thermal (A1+C1+C3)	122.941	3447.944	Include PX	8.405	95.886
2) Hydro (A2+B6+C2)	9.250	222.227	3) MUMBAI Schedule	24.968	647.291
3) Gas (A3)	11.191	245.184	H) ENERGY CATERED (MUs)		
4) Wind (B5)	29.857	901.728	1) MSEDCL	293.759	8107.843
5) CPP/IPP (B1+B2+B3+B4)	87.445	2185.530	2) TPCL	35.107	925.923
6) SOLAR (B7)	0.857	19.622	3) REL	21.526	541.212
TOTAL STATE	261.541	7022.235	TOTAL STATE	350.392	9574.978

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4032	4045	4054
MSGENCO Hydro	193	493	119
MSGENCO Gas	418	441	562
MSGENCO Total Generation	4643	4979	4735
Central Sector Receipt	4672	4113	2905
WIND	1413	1274	985
CPP / IPP	3797	3949	3181
SOLAR	107	0	0
Exchange with Mumbai	-1264	-1165	-841
MSEDCL DEMAND MET	13378	13174	10965
Load Shedding	51	53	50
MSEDCL DEMAND	13429	13227	11015
TPCL GENERATION	982	888	513
R-INFRA GENERATION	523	522	456
TPCL+R-INFRA DEMAND	2769	2575	1810
STATE DEMAND MET	16147	15749	12775
STATE DEMAND	16198	15802	12825
Frequency (Hz)	49.81	49.81	49.81

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.22 Hz at 17:52 Hrs	49.45 Hz at 19:29 Hrs	49.88	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 26/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	3.31	69.93	147	115	135
Unit 7	3.54	94.05	178	125	140
Total	6.85	163.98			275
Bhusawal					
Unit 2	0.00	47.15	0	0	0
Unit 3	3.50	57.52	160	130	150
Unit 4	0.00	188.12	0	0	0
Unit 5	7.82	196.09	340	300	340
Total	11.32	488.89			490
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.80	81.90	169	152	160
Unit 6	5.13	117.62	253	174	200
Unit 7	4.47	116.95	202	165	180
Total	13.41	316.47			540
Chandrapur					
Unit 1	3.04	60.38	132	121	140
Unit 2	3.36	78.57	146	128	160
Unit 3	3.32	69.13	151	121	170
Unit 4	3.28	103.36	150	124	210
Unit 5	9.44	248.16	422	360	450
Unit 6	8.18	223.53	370	290	400
Unit 7	0.00	0.00	0	0	0
Total	30.60	783.13			1530
Paras					
Unit 3	3.88	106.30	182	140	180
Unit 4	4.60	81.98	204	180	230
Total	8.48	188.28			410
Khaparkheda					
Unit 1	3.66	63.30	180	135	160
Unit 2	3.71	93.97	180	125	160
Unit 3	0.00	68.89	0	0	0
Unit 4	4.04	85.31	186	159	170
Unit 5	6.21	206.50	310	210	350
Total	17.63	517.97			840
Nasik					
Unit 3	0.00	41.57	0	0	0
Unit 4	4.36	104.16	197	170	198
Unit 5	4.32	104.10	190	172	190
Total	8.67	249.82			388
Uran					
All Units	11.19	245.18	567	418	575
Total	11.19	245.18			575
PENCH (MS)					
Pench (MS)	0.29	3.73	27	0	0
Total	0.29	3.73			0
Koyna					
Stage 1-2	1.69	43.34	240	40	600
Stage 4	0.00	3.04	0	0	250
Stage 3	1.00	27.82	204	0	320
Kovna 12&4 Total	1.69	46.38			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.69	74.20			1170
Hydro					
KDPH	0.00	4.14	0	0	0
VTRNA	0.00	9.62	0	0	0
TILLARI	0.36	8.00	61	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.32	6.02	41	0	40
RNGR+BHTSA	0.03	2.40	2	1	0
BHANDARDRA	0.20	3.01	34	0	10
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.73	5.78	37	28	20
GHATGHAR	0.45	30.39	125	0	0
Total	2.08	69.35			130
Wind					
MalharPeth	0.86	25.75			
Vankuswadi	1.18	40.50			
ATIT	0.22	6.78			
Kale	0.60	19.29			
Satara	14.55	414.26			
Shirala	0.72	25.70			
K Mahankal	0.08	4.34			
Supa	0.31	7.62			
Vita	3.02	94.11			
Dondaicha	3.87	164.45			
Sakri	0.92	22.89			
Nandurbar	0.76	17.78			
Khandke	1.43	30.61			
Khaparale	1.33	27.66			
Total	29.86	901.73			
CPP					
JSW JAIGAD	19.85	615.13	909	677	825
WARDHA	4.07	90.39	178	155	180
Adani	55.11	1074.42	2420	1750	2446
Other CPPs	8.42	394.90			245
Total	87.44	2174.84			3696
SOLAR					
Total	0.86	19.62			
Total	0.86	19.62			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.50	283.74	502	215	500
Trombay 6	0.00	47.81	0	0	0
Trombay 7A	1.97	66.79	125	56	120
Trombay 7B	1.33	39.29	69	45	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.18	74.95	369	0	447
Total	17.98	512.57			1127
REL					
1&2	12.18	301.78	525	455	500
Total	12.18	301.78			500
Cent Sect					
Share					4485
Total					4485
MS PG CL	Thermal	96.96	2708.55		4473
	Thml+Gas	108.15	2953.73		5048
	Hydro	4.78	143.54		1300
	Total	112.92	3097.28		6348
State Total		261.54	7022.24		16156

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 26/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	3958	70	564	4592	1065	3071	0	4000	3739	-684	-1039	11455	79	11534	2124	13658	49.89
2	3973	104	563	4640	1042	3181	0	3664	3556	-662	-1011	11435	50	11485	1966	13451	49.93
3	4020	149	563	4732	1029	3167	0	3337	3074	-585	-930	11072	50	11122	1872	12994	49.85
4	4054	119	562	4735	985	3181	0	3350	2905	-573	-841	10965	50	11015	1810	12825	49.81
5	4001	75	567	4643	949	3395	0	3359	3325	-569	-800	11512	50	11562	1810	13372	49.95
6	3996	75	535	4606	941	3540	0	3875	3331	-662	-838	11580	51	11631	1846	13477	49.88
7	3947	156	494	4597	957	3573	6	4215	4055	-795	-737	12454	53	12507	1945	14452	49.82
8	3962	154	431	4547	979	3569	27	4484	4325	-946	-728	12746	53	12799	1996	14795	49.84
9	4015	197	429	4641	1103	3802	72	4591	4352	-1148	-888	13109	52	13161	2162	15323	49.80
10	4092	233	428	4753	1221	3771	94	4788	4244	-1319	-1218	12892	51	12943	2508	15451	49.86
11	4032	193	418	4643	1413	3797	107	4741	4672	-1553	-1264	13378	51	13429	2769	16198	49.81
12	4130	236	418	4784	1352	3737	116	4317	4019	-1570	-1351	12657	52	12709	2814	15523	49.84
13	4216	158	418	4792	1486	3828	93	3726	3843	-1424	-1369	12673	105	12778	2810	15588	49.94
14	4166	233	423	4822	1459	3801	87	3562	3442	-1355	-1306	12305	55	12360	2709	15069	49.86
15	4102	186	420	4708	1609	3797	95	4134	3450	-1299	-1327	12332	54	12386	2713	15099	49.83
16	4026	119	434	4579	1482	3738	62	4387	3656	-1246	-1298	12219	53	12272	2685	14957	49.97
17	4034	87	436	4557	1491	3708	57	4061	3964	-1190	-1257	12520	53	12573	2638	15211	50.01
18	4001	82	440	4523	1476	3714	36	3826	3192	-1165	-1256	11685	54	11739	2600	14339	50.04
19	3968	136	444	4548	1382	3558	5	4280	3706	-1153	-1222	12000	54	12054	2542	14596	49.90
20	3990	360	440	4790	1213	3727	0	4396	4126	-1013	-1118	12762	54	12816	2593	15409	49.67
21	4045	493	441	4979	1274	3949	0	4343	4113	-1074	-1165	13174	53	13227	2575	15802	49.81
22	4055	453	445	4953	1273	3948	0	4111	3496	-1125	-1189	12505	53	12558	2496	15054	49.94
23	4038	374	447	4859	1281	3976	0	3739	3163	-948	-1154	12149	53	12202	2360	14562	49.89
24	4138	333	431	4902	1395	3917	0	3553	3103	-912	-1163	12180	53	12233	2290	14523	50.03
MUs	96.96	4.78	11.19	112.92	29.86	87.44	0.86	96.84	88.85	-24.97	-26.47	293.76	1.34	295.10	56.63	351.73	49.88

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 26/Jul/2014

Position as on 6.30 Hrs of 27/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	
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		Continued.	flame failure	
CPP VIPL U-2	300	20/07/2014	23.02	26/07/2014	17.16	coal feeder problem	
Cent_Sect Tarapur 1	160	21/07/2014	22.30	26/07/2014	14.05	Maint.work.	
CPP Adani U-3	660	22/07/2014	04.44	26/07/2014	00.44	Generator Protection.	
Bhusawal Unit 4	500	23/07/2014	00.03		Continued.	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.	
CPP IPL U-2	270	27/07/2014	03.07	27/07/2014	06.40	Generator Prot.operated	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 26/Jul/2014

Position as on 6.30 Hrs of 27/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.
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		Continued.	Over Voltage.
Kolhapur - Mapusa - II	25/07/2014	16.48	26/07/2014	11.18	Over Voltage.
Kolhapur - Mapusa - I	26/07/2014	17.24		Continued.	over voltage
Karad-Lonikand	26/07/2014	23.48	27/07/2014	6.49	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.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Jaigad I	25/07/2014	16.37	26/07/2014	08.58	Over Voltage.
Karad - Kolhapur - I	25/07/2014	17.09	26/07/2014	8.38	Over Voltage.
Bhusawal- Aurangabad	25/07/2014	17.47	26/07/2014	10.35	Over Voltage.
Lonikand- Koyna Stage IV	25/07/2014	22.07	26/07/2014	07.13	Over Voltage.
Karad - Kolhapur - I	26/07/2014	17.05		Continued.	over voltage
Karad-Jaigad I	26/07/2014	17.08		Continued.	over voltage
Bhusawal- Aurangabad	26/07/2014	18.55		Continued.	over voltage
Lonikand-Stage4	27/07/2014	02.02	27/07/2014	07.40	over voltage
Lonikand- Koyna Stage IV	27/07/2014	17.39		Continued.	Over Voltage
Karad - Lonikand	27/07/2014	23.59		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
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.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 27/Jul/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	160
Unit 7	210	165
	620	325
Bhusawal		
Unit 2	210	0
Unit 3	210	138
Unit 4	500	0
Unit 5	500	297
	1420	435
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	163
Unit 6	250	250
Unit 7	250	220
	1130	633
Chandrapur		
Unit 1	210	140
Unit 2	210	150
Unit 3	210	170
Unit 4	210	210
Unit 5	500	450
Unit 6	500	400
Unit 7	500	0
	2340	1520
Paras		
Unit 3	250	190
Unit 4	250	250
	500	440
Khaparkheda		
Unit 1	210	144
Unit 2	210	144
Unit 3	210	0
Unit 4	210	153
Unit 5	500	330
	1340	771
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	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
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	18
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	131
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	2361
Other CPPs	300	245
	4545	3611
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4849
	3455	4849

	21940	15840
--	--------------	--------------