



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Jul/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 29/Jul/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	95.559	2998.507	1) Gujrat	2.343	-10.482
2) Hydro	6.897	162.756	2) Madhya Pradesh	8.866	413.687
3) Gas	10.349	275.827	3) Chattisgarh	5.830	204.760
Total MSGENCO	112.805	3437.090	4) Maharashtra Net	52.471	2174.694
B) 1) JSW JAIGAD	18.961	671.535	(Incl. 765kV Solapur-Raichur)	-6.807	-115.707
2) WPCL	4.227	102.801	5) Goa	-6.416	-185.979
3) ADANI	45.510	1219.732	6) TAPS 1&2 Injection	5.445	187.130
4) Other CPP / IPP	10.912	437.518	7) RGPPL Injection	0.000	0.000
5) Wind Generation	41.955	1018.559	8) Pench (Excess)	0.000	-4.200
6) PENCH (MS)	0.000	4.267	# Total Cent. Sector	68.539	2779.610
7) SOLAR	0.442	21.177	F) Other Exchanges		
C) 1) TPCL Thermal	10.648	463.138	1) With TPCL (Excess)	-26.376	-731.945
2) TPCL Hydro	4.228	91.883	G) Bilateral Power *		
TOTAL TPCL	14.876	555.021	1) MSEDCL Bilateral	12.985	753.382
3) REL Thermal	10.836	337.044	Include PX	-4.121	84.040
D) STATE			2) MUMBAI Bilateral	19.340	702.805
1) Thermal (A1+C1+C3)	117.043	3798.689	Include PX	2.227	112.574
2) Hydro (A2+B6+C2)	11.125	258.906	3) MUMBAI Schedule	20.335	716.228
3) Gas (A3)	10.349	275.827	H) ENERGY CATERED (MUs)		
4) Wind (B5)	41.955	1018.559	1) MSEDCL	276.975	8960.344
5) CPP/IPP (B1+B2+B3+B4)	79.610	2431.586	2) TPCL	31.704	1023.899
6) SOLAR (B7)	0.442	21.177	3) REL	20.387	600.098
TOTAL STATE	260.524	7804.744	TOTAL STATE	329.066	10584.341

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4047	3973	3996
MSGENCO Hydro	372	735	104
MSGENCO Gas	432	430	429
MSGENCO Total Generation	4851	5138	4529
Central Sector Receipt	3186	3240	2136
WIND	1652	1767	1657
CPP / IPP	4077	3278	3078
SOLAR	47	0	0
Exchange with Mumbai	-1308	-1170	-792
MSEDCL DEMAND MET	12505	12253	10608
Load Shedding	52	54	52
MSEDCL DEMAND	12557	12307	10660
TPCL GENERATION	656	810	408
R-INFRA GENERATION	448	470	442
TPCL+R-INFRA DEMAND	2412	2450	1642
STATE DEMAND MET	14917	14703	12250
STATE DEMAND	14969	14757	12302
Frequency (Hz)	49.89	49.83	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.32 Hz at 17.53 Hrs	49.67 Hz at 22.04 Hrs	49.97	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 29/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	3.45	80.07	155	130	155
Unit 7	3.48	103.34	155	130	155
Total	6.93	183.41			310
Bhusawal					
Unit 2	0.00	47.15	0	0	0
Unit 3	0.46	64.54	135	0	0
Unit 4	1.32	189.44	170	0	82
Unit 5	6.89	218.12	330	255	283
Total	8.67	519.25			365
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.69	93.15	160	140	155
Unit 6	4.92	132.99	215	182	185
Unit 7	4.61	131.25	201	181	185
Total	13.22	357.39			525
Chandrapur					
Unit 1	2.85	69.35	129	108	140
Unit 2	3.29	87.69	150	123	150
Unit 3	3.45	79.98	161	121	180
Unit 4	3.78	115.17	178	140	210
Unit 5	9.02	275.85	420	360	450
Unit 6	7.71	246.35	355	270	380
Unit 7	0.00	0.00	0	0	0
Total	30.09	874.40			1510
Paras					
Unit 3	3.18	116.76	154	0	152
Unit 4	4.36	95.18	208	140	230
Total	7.54	211.95			382
Khaparkheda					
Unit 1	3.40	74.18	155	125	170
Unit 2	3.37	104.46	160	125	170
Unit 3	3.15	72.05	159	12	150
Unit 4	3.75	97.44	164	150	170
Unit 5	7.17	229.02	334	260	350
Total	20.84	577.15			1010
Nasik					
Unit 3	0.00	41.57	0	0	0
Unit 4	4.16	116.79	179	165	198
Unit 5	4.10	116.59	174	163	190
Total	8.26	274.96			388
Uran					
All Units	10.35	275.83	435	426	440
Total	10.35	275.83			440
PENCH (MS)					
Pench (MS)	0.00	4.27	0	0	
Total	0.00	4.27			
Koyna					
Stage 1-2	1.52	48.00	330	40	600
Stage 4	0.00	3.36	0	0	250
Stage 3	1.80	32.64	240	0	320
Kovna 12&4 Total	1.52	51.36			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.32	84.00			1170
Hydro					
KDPH	0.00	4.14	0	0	0
VTRNA	0.53	10.48	61	0	61
TILLARI	0.38	8.56	61	0	61
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.50	7.48	41	0	41
RNGR+BHTSA	0.00	2.45	0	0	5
BHANDARDRA	0.85	4.15	36	35	10
ELDARY	0.00	0.00	0	0	
SMLHY PTN	0.77	8.05	40	29	30
GHATGHAR	0.53	33.46	185	0	
Total	3.57	78.76			208
Wind					
MalharPeth	1.50	29.80			
Vankuswadi	1.93	45.77			
ATIT	0.41	7.96			
Kale	1.16	22.26			
Satara	22.84	475.21			
Shirala	1.56	29.73			
K Mahankal	0.21	4.77			
Supa	0.50	8.56			
Vita	5.20	106.89			
Dondaicha	2.31	175.86			
Sakri	0.57	25.31			
Nandurbar	0.78	20.15			
Khandke	1.68	34.85			
Khaparale	1.31	31.46			
Total	41.96	1018.56			
CPP					
JSW JAIGAD	18.96	671.54	903	751	820
WARDHA	4.23	102.80	182	171	180
Adani	45.51	1219.73	2420	1700	2446
Other CPPs	10.91	426.82			510
Total	79.61	2420.89			3956
SOLAR					
Total	0.44	21.18			
Total	0.44	21.18			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	2.26	285.99	338	0	0
Trombay 6	4.51	59.18	343	153	500
Trombay 7A	2.44	74.23	125	69	120
Trombay 7B	1.44	43.73	69	23	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.23	91.88	384	72	447
Total	14.88	555.02			1127
REL					
1&2	10.84	337.04	520	441	500
Total	10.84	337.04			500
Cent Sect					
Share					3605
Total					3605
MS PG CL	Thermal	95.56	2998.51		4490
	Thml+Gas	105.91	3274.33		4930
	Hydro	6.90	162.76		1378
	Total	112.80	3437.09		6308
State Total		260.52	7804.74		15496

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/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	3894	108	430	4432	1641	3212	0	2961	2723	-615	-999	11009	80	11089	1895	12984	49.97
2	3900	109	429	4438	1639	3206	0	2874	2560	-527	-906	10937	52	10989	1770	12759	50.00
3	4034	104	430	4568	1694	3098	0	2531	2237	-472	-857	10740	52	10792	1707	12499	50.04
4	3996	104	429	4529	1657	3078	0	2522	2136	-513	-792	10608	52	10660	1642	12302	49.99
5	3887	124	431	4442	1665	3099	0	2510	2679	-508	-780	11105	52	11157	1630	12787	49.83
6	3904	201	429	4534	1617	3242	0	3036	3059	-531	-858	11594	52	11646	1716	13362	49.94
7	3931	265	429	4625	1584	3427	5	3271	3329	-531	-925	12045	53	12098	1786	13884	49.98
8	4011	470	432	4913	1546	3565	17	3299	3490	-553	-1025	12506	53	12559	1887	14446	49.93
9	4078	493	435	5006	1665	3886	37	3437	3175	-774	-1162	12607	53	12660	2115	14775	49.98
10	4047	372	432	4851	1652	4077	47	3528	3186	-960	-1308	12505	52	12557	2412	14969	49.89
11	4009	286	430	4725	1754	3701	50	3378	3106	-1188	-1353	11983	52	12035	2582	14617	49.91
12	4050	266	426	4742	1799	3465	67	3222	2942	-1236	-1309	11706	53	11759	2611	14370	50.02
13	4061	181	432	4674	1829	3277	62	3059	2925	-1243	-1330	11437	107	11544	2603	14147	50.02
14	4077	147	427	4651	1837	3290	31	2887	2747	-1159	-1329	11227	55	11282	2484	13766	50.05
15	4068	147	430	4645	1979	3257	44	3016	2593	-1131	-1254	11264	54	11318	2429	13747	50.02
16	3999	147	430	4576	2020	3088	45	3175	2656	-1115	-1210	11175	54	11229	2380	13609	50.05
17	4081	157	435	4673	1965	3154	20	2883	2878	-1092	-1235	11455	54	11509	2362	13871	50.02
18	4084	171	434	4689	2031	3094	11	2967	2408	-1078	-1257	10976	54	11030	2385	13415	50.10
19	4013	310	435	4758	1894	3120	6	3294	3320	-1075	-1226	11872	54	11926	2374	14300	50.01
20	3973	735	430	5138	1767	3278	0	2921	3240	-905	-1170	12253	54	12307	2450	14757	49.83
21	3979	752	433	5164	1741	3488	0	2880	2672	-863	-1092	11973	54	12027	2430	14457	49.91
22	3942	559	434	4935	1704	3341	0	2929	2943	-901	-1058	11865	54	11919	2253	14172	49.95
23	3818	405	435	4658	1670	3070	0	2719	2922	-714	-1017	11303	54	11357	2156	13513	49.91
24	3723	284	432	4439	1605	3097	0	2567	2613	-652	-924	10830	54	10884	2029	12913	50.00
MUs	95.56	6.90	10.35	112.80	41.96	79.61	0.44	71.87	68.54	-20.33	-26.38	276.98	1.36	278.33	52.09	330.42	49.97

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 29/Jul/2014

Position as on 6.30 Hrs of 30/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	
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	29/07/2014	15.20	Boiler Tube Leakage.	
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	
Bhusawal Unit 4	500	29/07/2014	18.29	30/07/2014	00.04	Drum Level High.	
Paras Unit 3	250	29/07/2014	22.13		Continued.	Boiler Tube Leakage.	
Tata Trombay 7A	120	29/07/2014	23.58		Continued.	Boiler Certification.	
Tata Trombay 7B	60	30/07/2014	00.44		Continued.	Boiler Certification.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Jul/2014

Position as on 6.30 Hrs of 30/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,
Kolhapur - Mapusa - I	26/07/2014	17.24	29/07/2014	09.58	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
Kolhapur-Mapusa-II	29/07/2014	17.54		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.
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
Karad - Kolhapur - I	28/07/2014	17.07	29/07/2014	09.14	Over Voltage
Lonikand- Koyna Stage IV	28/07/2014	21.51	29/07/2014	07.19	Over Voltage
Bhusawal- Aurangabad	29/07/2014	14.42		Continued.	Over Voltage.
Karad - Kolhapur - I	29/07/2014	16.16		Continued.	Over Voltage.
Karad-Jaigad I	29/07/2014	17.01		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	29/07/2014	21.10		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	29/07/2014	19.19	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	29/07/2014	07.19	Over Voltage
Warora- Tirora -II	29/07/2014	16.30	29/07/2014	19.07	On PDR.
Deepnagar-Tapitatanda	29/07/2014	23.59		Continued.	Over Voltage.
Lonikand - Chakan	30/07/2014	01.30		Continued.	Distance Protection.
Aurangabad - Taptithanda	30/07/2014	03.41		Continued.	Over Voltage.
Karad-Kolhapur-II	30/07/2014	04.02		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 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

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Jul/2014

Position as on 6.30 Hrs of 30/Jul/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.	tower 220KV Nanded-Ghatodi & 220KV Pusad-Ghatodi Collapsed(Line 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.
220/132KV 100 MVA ICT II at Amalner	28/07/2014	21.24		Continued.	Y phase C.T Burst
Voltage Level : 132KV			Outage Type TRIPPED		
Niwali-Ujni	29/07/2014	21.44	29/07/2014	22.34	Distance Protection Operated Z-I Y Ph,E/F.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Jul/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	120
Unit 7	210	125
	620	245
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	297
Unit 5	500	285
	1420	582
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	180
Unit 7	250	180
	1130	360
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	0
Unit 4	250	172
	500	172
Khaparkheda		
Unit 1	210	153
Unit 2	210	153
Unit 3	210	153
Unit 4	210	153
Unit 5	500	330
	1340	942
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	0
BHANDARDRA	45	23
ELDARY	23	
SMLHY PTN	12	20
GHATGHAR	250	
	611	206
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	500
Trombay 7A	120	0
Trombay 7B	60	0
Trombay 8	250	0
TATA Hydro	444	447
	2024	1447
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4285
	3455	4285