



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Jul/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Jul/2014 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	94.534	3093.041	1) Gujrat	0.492	-9.990
2) Hydro	9.280	172.036	2) Madhya Pradesh	8.262	421.949
3) Gas	10.038	285.865	3) Chattisgarh	5.920	210.680
Total MSGENCO	113.852	3550.942	4) Maharashtra Net	56.499	2231.193
B) 1) JSW JAIGAD	18.458	689.993	(Incl. 765kV Solapur-Raichur)	-3.488	-119.195
2) WPCL	4.321	107.122	5) Goa	-6.195	-192.174
3) ADANI	45.990	1265.722	6) TAPS 1&2 Injection	6.777	193.907
4) Other CPP / IPP	11.020	448.538	7) RGPPL Injection	0.000	0.000
5) Wind Generation	32.839	1051.398	8) Pench (Excess)	-0.141	-4.341
6) PENCH (MS)	0.141	4.408	# Total Cent. Sector	71.614	2851.224
7) SOLAR	0.547	21.724	F) Other Exchanges		
C) 1) TPCL Thermal	13.837	476.975	1) With TPCL (Excess)	-25.781	-757.726
2) TPCL Hydro	4.417	96.300	G) Bilateral Power *		
TOTAL TPCL	18.254	573.275	1) MSEDCL Bilateral	12.532	765.914
3) REL Thermal	12.076	349.120	Include PX	-5.328	78.712
D) STATE			2) MUMBAI Bilateral	23.595	726.400
1) Thermal (A1+C1+C3)	120.447	3919.136	Include PX	6.388	118.963
2) Hydro (A2+B6+C2)	13.838	272.744	3) MUMBAI Schedule	23.595	739.823
3) Gas (A3)	10.038	285.865	H) ENERGY CATERED (MUs)		
4) Wind (B5)	32.839	1051.398	1) MSEDCL	273.001	9233.345
5) CPP/IPP (B1+B2+B3+B4)	79.789	2511.375	2) TPCL	34.748	1058.647
6) SOLAR (B7)	0.547	21.724	3) REL	21.364	621.462
TOTAL STATE	257.498	8062.242	TOTAL STATE	329.113	10913.454

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	3977	3895	3758
MSGENCO Hydro	747	670	110
MSGENCO Gas	426	409	434
MSGENCO Total Generation	5150	4974	4302
Central Sector Receipt	3399	3858	2025
WIND	1345	1176	1554
CPP / IPP	3239	3743	3012
SOLAR	68	0	0
Exchange with Mumbai	-1298	-1087	-629
MSEDCL DEMAND MET	11903	12690	10264
Load Shedding	53	55	53
MSEDCL DEMAND	11956	12745	10317
TPCL GENERATION	1015	1050	536
R-INFRA GENERATION	523	524	454
TPCL+R-INFRA DEMAND	2836	2661	1619
STATE DEMAND MET	14739	15351	11883
STATE DEMAND	14792	15406	11936
Frequency (Hz)	49.98	49.76	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.34 Hz at 03.53 Hrs	49.64 Hz at 18.58 Hrs	49.95	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 30/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	2.36	82.43	135	0	120
Unit 7	3.24	106.57	155	110	125
Total	5.59	189.00			245
Bhusawal					
Unit 2	0.00	47.15	0	0	0
Unit 3	0.00	64.54	0	0	0
Unit 4	7.03	196.47	335	115	297
Unit 5	7.06	225.18	320	195	285
Total	14.10	533.35			582
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	4.68	137.66	212	182	180
Unit 7	4.54	135.79	200	173	180
Total	9.22	366.61			360
Chandrapur					
Unit 1	3.04	72.39	131	119	140
Unit 2	3.02	90.71	139	105	150
Unit 3	3.63	83.61	164	129	180
Unit 4	3.70	118.88	167	136	210
Unit 5	8.78	284.64	395	308	450
Unit 6	8.50	254.86	370	320	380
Unit 7	0.00	0.00	0	0	0
Total	30.67	905.08			1510
Paras					
Unit 3	0.00	116.76	0	0	0
Unit 4	4.46	99.64	205	168	172
Total	4.46	216.41			172
Khaparkheda					
Unit 1	3.42	77.60	155	130	153
Unit 2	3.29	107.75	145	125	153
Unit 3	3.57	75.61	152	141	153
Unit 4	3.49	100.93	156	139	153
Unit 5	8.64	237.66	400	334	330
Total	22.41	599.56			942
Nasik					
Unit 3	0.00	41.57	0	0	0
Unit 4	3.97	120.77	183	143	198
Unit 5	4.12	120.71	182	164	190
Total	8.09	283.04			388
Uran					
All Units	10.04	285.86	434	380	440
Total	10.04	285.86			440
PENCH (MS)					
Pench (MS)	0.14	4.41	27	0	
Total	0.14	4.41			
Koyna					
Stage 1-2	2.28	50.28	315	40	600
Stage 4	0.15	3.51	154	0	250
Stage 3	1.71	34.35	160	0	320
Kovna 12&4 Total	2.44	53.80			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	4.15	88.15			1170
Hydro					
KDPH	0.00	4.14	0	0	0
VTRNA	0.52	11.00	61	0	61
TILLARI	0.75	9.31	61	0	61
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.50	7.98	41	0	41
RNGR+BHTSA	0.00	2.45	0	0	0
BHANDARDRA	0.81	4.96	36	32	23
ELDARY	0.00	0.00	0	0	
SMLHY PTN	0.80	8.85	40	30	20
GHATGHAR	1.74	35.20	250	0	
Total	5.13	83.89			206
Wind					
MalharPeth	1.05	30.85			
Vankuswadi	1.71	47.48			
ATIT	0.36	8.31			
Kale	0.96	23.22			
Satara	17.90	493.10			
Shirala	1.35	31.08			
K Mahankal	0.16	4.93			
Supa	0.13	8.69			
Vita	4.00	110.90			
Dondaicha	2.45	178.31			
Sakri	0.40	25.71			
Nandurbar	0.38	20.54			
Khandke	0.92	35.78			
Khaparale	1.06	32.52			
Total	32.84	1051.40			
CPP					
JSW JAIGAD	18.46	689.99	835	671	820
WARDHA	4.32	107.12	182	178	180
Adani	45.99	1265.72	2400	1690	2446
Other CPPs	11.02	437.84			510
Total	79.79	2500.68			3956
SOLAR					
Total	0.55	21.72			
Total	0.55	21.72			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.11	296.10	499	310	500
Trombay 6	3.69	62.88	161	150	500
Trombay 7A	0.04	74.28	41	0	0
Trombay 7B	0.00	43.73	0	0	0
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.42	96.30	405	72	447
Total	18.25	573.28			1447
REL					
1&2	12.08	349.12	525	451	500
Total	12.08	349.12			500
Cent Sect					
Share					4285
Total					4285
MS PG CL	Thermal	94.53	3093.04		4199
	Thml+Gas	104.57	3378.91		4639
	Hydro	9.28	172.04		1376
	Total	113.85	3550.94		6015
State Total		257.50	8062.24		16203

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/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	3762	136	424	4322	1649	3029	0	2847	2254	-649	-850	10404	76	10480	1891	12371	49.97
2	3856	110	430	4396	1702	3021	0	2511	2251	-575	-734	10636	53	10689	1731	12420	50.02
3	3939	105	428	4472	1686	3023	0	2263	2072	-544	-655	10598	53	10651	1647	12298	50.03
4	3810	125	430	4365	1578	2994	0	2277	2022	-528	-623	10336	53	10389	1613	12002	50.13
5	3758	110	434	4302	1554	3012	0	2277	2025	-539	-629	10264	53	10317	1619	11936	50.00
6	3888	110	434	4432	1669	3070	0	2562	2596	-586	-720	11047	55	11102	1711	12813	49.93
7	3950	267	424	4641	1623	3110	3	2836	3322	-681	-872	11827	56	11883	1860	13743	50.02
8	4013	402	430	4845	1621	3057	15	3460	3218	-861	-1032	11724	56	11780	2085	13865	50.05
9	4036	250	425	4711	1567	3091	31	4276	3772	-1074	-1192	11980	55	12035	2309	14344	49.97
10	4028	432	425	4885	1354	3127	43	3835	3642	-1175	-1358	11693	53	11746	2679	14425	49.92
11	3977	747	426	5150	1345	3239	68	3219	3399	-1408	-1298	11903	53	11956	2836	14792	49.98
12	4015	528	432	4975	1432	3417	48	3272	2934	-1465	-1353	11453	54	11507	2877	14384	49.95
13	4015	317	416	4748	1513	3359	62	3032	3170	-1401	-1442	11410	107	11517	2858	14375	49.93
14	4059	402	380	4841	1481	3403	73	2671	2554	-1287	-1352	11000	54	11054	2760	13814	49.94
15	4017	699	400	5116	1391	3387	75	2779	2710	-1313	-1296	11383	53	11436	2775	14211	49.87
16	4012	627	399	5038	1345	3165	58	3134	2887	-1308	-1301	11192	53	11245	2770	14015	49.97
17	4022	645	398	5065	1297	3063	46	2805	2979	-1262	-1363	11087	53	11140	2740	13880	49.91
18	4014	783	398	5195	1184	3289	20	2457	2914	-1192	-1348	11254	54	11308	2706	14014	49.99
19	4019	555	408	4982	1144	3541	5	3009	3308	-1151	-1243	11761	55	11816	2652	14468	49.89
20	3895	670	409	4974	1176	3743	0	3736	3858	-1083	-1087	12690	55	12745	2661	15406	49.76
21	3870	409	413	4692	1026	3796	0	3802	3955	-1048	-1088	12408	53	12461	2612	15073	49.81
22	3912	433	415	4760	888	3861	0	3320	3539	-970	-1043	12032	53	12085	2333	14418	49.87
23	3874	235	430	4539	793	3988	0	2951	3280	-780	-1037	11589	53	11642	2285	13927	49.95
24	3793	183	430	4406	821	4004	0	2865	2955	-716	-865	11332	53	11385	2101	13486	49.97
MUs	94.53	9.28	10.04	113.85	32.84	79.79	0.55	72.20	71.62	-23.59	-25.78	273.00	1.37	274.37	56.11	330.48	49.95

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 30/Jul/2014

Position as on 6.30 Hrs of 31/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	
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		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.	
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		Continued.	Id Fan Problem.	
Uran Unit 7	108	31/07/2014	06.50		Continued.	Hydrolic System Problem.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 30/Jul/2014

Position as on 6.30 Hrs of 31/Jul/2014

Name of Generating Unit	Capacity	Tripped Date	Trippe d Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Uran Unit B0	120	31/07/2014	06.50		Continued.	Hydrolic System Problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Jul/2014

Position as on 6.30 Hrs of 31/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		
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	30/07/2014	09.40	Over Voltage.
Kolhapur - Mapusa - I	30/07/2014	16.25		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		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 : 220KV			Outage Type PLANNED OUTAGE		
Bus Section - II @ Pedambe	30/07/2014	08.45	30/07/2014	15.12	Wavetrap Replacement.
Bus Section - I @ Tulzapur	30/07/2014	09.30	30/07/2014	13.53	Quarterly Maintainance 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	29/07/2014	16.16	30/07/2014	08.48	Over Voltage.
Lonikand- Koyna Stage IV	29/07/2014	21.10	30/07/2014	08.13	Over Voltage.
Lonikand-Karad	29/07/2014	22.28	30/07/2014	07.45	Over Volatge.
Karad - Kolhapur - I	30/07/2014	16.10		Continued.	Over Voltage.
Karad - Newkoyna - I	31/07/2014	02.55		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		
Deepnagar-Tapitatanda	29/07/2014	23.59	30/07/2014	09.01	Over Voltage.
Lonikand - Chakan	30/07/2014	01.30	30/07/2014	09.16	Distance Protection.
Aurangabad - Taptithanda	30/07/2014	03.41	30/07/2014	08.50	Over Voltage.
Karad-Kolhapur-II	30/07/2014	04.02	30/07/2014	07.56	Over Voltage.
Warora - Tiroda - II	30/07/2014	09.20	30/07/2014	09.36	Tripped at Tiroda End Only.
Lonikand- Koyna Stage IV	30/07/2014	15.21		Continued.	Distance Prot.
Karad-Kolhapur-II	31/07/2014	02.50		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)

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 30/Jul/2014

Position as on 6.30 Hrs of 31/Jul/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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.
220/132KV 100 MVA ICT II at Amalner	28/07/2014	21.24	30/07/2014	00.59	Y phase C.T Burst

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 31/Jul/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	140
	620	140
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	340
Unit 5	500	338
	1420	678
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	195
Unit 7	250	175
	1130	370
Chandrapur		
Unit 1	210	120
Unit 2	210	130
Unit 3	210	160
Unit 4	210	180
Unit 5	500	300
Unit 6	500	380
Unit 7	500	0
	2340	1270
Paras		
Unit 3	250	0
Unit 4	250	230
	500	230
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
Unit 5	500	350
	1340	1030
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	34
ELDARY	23	0
SMLHY PTN	12	11
GHATGHAR	250	0
	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	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	3508
	3455	3508