



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

State Load Dispatch Center, Airoli

Daily system Report

for

07/Oct/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 07/Oct/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	103.146	767.710	1) Gujrat	11.339	75.081
2) Hydro	16.034	103.226	2) Madhya Pradesh	22.989	153.666
3) Gas	10.389	72.058	3) Chattisgarh	9.710	63.460
Total MSGENCO	129.569	942.994	4) Maharashtra Net	126.374	803.365
B) 1) JSW JAIGAD	28.249	194.509	(Incl. 765kV Solapur-Raichur)	-8.018	-74.874
2) WPCL	5.495	34.499	5) Goa	-7.892	-50.140
3) ADANI	29.280	251.410	6) TAPS 1&2 Injection	7.085	49.929
4) Other CPP / IPP	14.243	110.053	7) RGPPL Injection	0.000	0.000
5) Wind Generation	3.448	24.224	8) Pench (Excess)	-0.937	-6.639
6) PENCH (MS)	0.937	6.639			
7) SOLAR	1.154	7.376	# Total Cent. Sector	168.668	1088.722
C) 1) TPCL Thermal	19.974	137.975	F) Other Exchanges		
2) TPCL Hydro	5.866	24.548	1) With TPCL (Excess)	-24.755	-175.238
TOTAL TPCL	25.840	162.523	G) Bilateral Power *		
3) REL Thermal	12.493	76.188	1) MSEDCL Bilateral	70.640	390.581
D) STATE			Include PX	37.244	164.603
1) Thermal (A1+C1+C3)	135.613	981.873	2) MUMBAI Bilateral	22.919	165.037
2) Hydro (A2+B6+C2)	22.837	134.413	Include PX	5.050	27.175
3) Gas (A3)	10.389	72.058	3) MUMBAI Schedule	23.203	171.863
4) Wind (B5)	3.448	24.224	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	77.267	590.471	1) MSEDCL	356.288	2485.188
6) SOLAR (B7)	1.154	7.376	2) TPCL	39.890	259.508
TOTAL STATE	250.708	1810.415	3) REL	23.197	154.462
			TOTAL STATE	419.375	2899.158

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4801	4698	4096
MSGENCO Hydro	1750	1658	590
MSGENCO Gas	421	423	436
MSGENCO Total Generation	6972	6779	5122
Central Sector Receipt	7386	7702	6646
WIND	26	68	125
CPP / IPP	3206	3201	3186
SOLAR	160	162	0
Exchange with Mumbai	-1418	-1302	-583
MSEDCL DEMAND MET	16379	16657	14518
Load Shedding	675	571	166
MSEDCL DEMAND	17054	17228	14684
TPCL GENERATION	1286	1307	832
R-INFRA GENERATION	521	522	522
TPCL+R-INFRA DEMAND	3225	3131	1937
STATE DEMAND MET	19604	19788	16455
STATE DEMAND	20279	20359	16621
Frequency (Hz)	49.80	49.78	49.81

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.15 Hz at 13:03 Hrs	49.49 Hz at 18:25 Hrs	49.85	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 07/Oct/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	3.41	18.08	151	100	150
Unit 7	3.24	21.46	160	120	150
Total	6.64	39.54			300
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.75	8.26	125	0	0
Unit 4	0.00	37.12	0	0	0
Unit 5	7.35	55.45	420	260	280
Total	8.10	100.84			280
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.54	19.38	155	140	143
Unit 5	0.04	21.60	37	0	0
Unit 6	4.57	32.72	223	172	175
Unit 7	4.57	32.85	236	170	170
Total	12.72	106.55			488
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.43	19.95	150	131	140
Unit 3	3.89	24.28	170	141	180
Unit 4	4.42	30.72	193	166	200
Unit 5	8.35	61.08	430	300	350
Unit 6	7.91	56.47	395	283	350
Unit 7	7.97	58.68	372	264	350
Total	35.97	251.18			1570
Paras					
Unit 3	4.26	30.92	208	164	180
Unit 4	4.39	29.24	220	167	180
Total	8.65	60.17			360
Khaparkheda					
Unit 1	3.61	24.78	185	135	170
Unit 2	3.50	17.69	160	130	170
Unit 3	3.87	27.55	206	144	170
Unit 4	1.96	25.40	163	0	170
Unit 5	9.56	56.41	480	360	400
Total	22.50	151.82			1080
Nasik					
Unit 3	4.30	28.92	195	165	172
Unit 4	0.12	0.12	55	0	0
Unit 5	4.14	28.58	190	160	172
Total	8.56	57.62			344
Uran					
All Units	10.39	72.06	440	421	435
Total	10.39	72.06			435
PENCH (MS)					
Pench (MS)	0.94	6.64	51	20	0
Total	0.94	6.64			0
Koyna					
Stage 1-2	5.58	32.02	540	25	600
Stage 4	6.24	46.42	840	0	250
Stage 3	2.91	17.35	240	0	240
Kovna 12&4 Total	11.81	78.44			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	14.72	95.79			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.13	0	0	0
TILLARI	0.00	0.43	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.42	1.96	80	0	41
RNGR+BHTSA	0.00	0.37	0	0	0
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.33	0.72	15	12	15
SMLHY PTN	0.10	0.76	12	1	10
GHATGHAR	0.46	3.06	241	0	0
Total	1.31	7.44			66
Wind					
MalharPeth	0.11	0.66			
Vankuswadi	0.15	1.22			
ATIT	0.02	0.14			
Kale	0.08	0.57			
Satara	1.96	14.34			
Shirala	0.06	0.77			
K Mahankal	0.01	0.06			
Supa	0.08	0.52			
Vita	0.22	2.18			
Dondaicha	0.34	1.49			
Sakri	0.08	0.26			
Nandurbar	0.04	0.56			
Khandke	0.06	0.84			
Khaparale	0.24	0.61			
Total	3.45	24.22			
CPP					
JSW JAIGAD	28.25	194.51	1182	1169	1093
WARDHA	5.50	34.50	232	222	225
Adani	29.28	251.41	1490	1140	1234
Other CPPs	14.24	110.05			524
Total	77.27	590.47			3076
SOLAR					
Total	1.15	7.38			
Total	1.15	7.38			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.91	81.65	500	476	500
Trombay 6	3.73	26.10	156	155	500
Trombay 7A	2.75	19.08	115	114	120
Trombay 7B	1.58	11.14	67	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.87	24.55	471	0	447
Total	25.84	162.52			1627
REL					
1&2	12.49	76.19	523	517	500
Total	12.49	76.19			500
Cent Sect					
Share					7451
Total					7451
MS PG CL	Thermal	103.15	767.71		4422
	Thml+Gas	113.54	839.77		4857
	Hydro	16.03	103.23		1156
	Total	129.57	942.99		6013
State Total		250.71	1810.42		18667

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 07/Oct/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	4129	57	435	4621	203	3120	0	7048	7371	-960	-897	14440	89	14529	2335	16864	49.79
2	4074	81	435	4590	189	3185	0	6925	7228	-822	-688	14551	166	14717	2140	16857	49.80
3	4128	187	435	4750	162	3163	0	6819	7190	-737	-667	14645	166	14811	2024	16835	49.78
4	4110	442	435	4987	136	3176	0	6493	7035	-695	-604	14750	166	14916	1960	16876	49.81
5	4096	590	436	5122	125	3186	0	6541	6646	-673	-583	14518	166	14684	1937	16621	49.81
6	4114	864	436	5414	87	3203	0	6635	6963	-671	-624	15089	257	15346	2003	17349	49.81
7	4162	1121	436	5719	60	3211	0	6686	6989	-710	-614	15385	337	15722	2107	17829	49.87
8	4268	812	436	5516	55	3181	30	6790	6930	-762	-739	14997	405	15402	2235	17637	49.92
9	4353	339	433	5125	42	3195	71	6926	7057	-1030	-979	14557	468	15025	2514	17539	49.92
10	4349	984	433	5766	33	3191	123	7020	7174	-1174	-1108	15204	429	15633	2874	18507	49.83
11	4335	1083	433	5851	26	3240	146	7393	7880	-1386	-1321	15869	451	16320	3138	19458	49.73
12	4499	1582	426	6507	20	3210	168	7476	7906	-1468	-1442	16416	592	17008	3228	20236	49.90
13	4801	1750	421	6972	26	3206	160	7039	7386	-1232	-1418	16379	675	17054	3225	20279	49.80
14	4698	1658	423	6779	68	3201	162	6806	7702	-1081	-1302	16657	571	17228	3131	20359	49.78
15	4687	1633	422	6742	106	3181	125	6698	6972	-1099	-1344	15829	400	16229	3170	19399	49.74
16	4351	1222	427	6000	94	3230	91	6586	6843	-1119	-1372	14933	599	15532	3200	18732	49.80
17	4252	499	427	5178	163	3174	56	6656	6884	-1111	-1332	14170	618	14788	3159	17947	49.89
18	4252	385	430	5067	236	3206	22	6502	6388	-1072	-1318	13648	408	14056	3037	17093	49.82
19	4328	196	438	4962	457	3196	0	6572	6791	-1043	-1311	14141	144	14285	2925	17210	49.88
20	4268	188	438	4894	383	3173	0	6678	7052	-1011	-1180	14345	112	14457	2835	17292	49.91
21	4257	168	440	4865	157	3205	0	6594	6897	-900	-1074	14098	94	14192	2706	16898	49.90
22	4226	61	440	4727	154	3324	0	6530	6655	-840	-963	13921	75	13996	2491	16487	49.97
23	4272	76	438	4786	231	3409	0	6494	6408	-826	-916	13969	64	14033	2409	16442	49.88
24	4137	56	436	4629	235	3501	0	6366	6321	-782	-959	13777	66	13843	2305	16148	49.95
MUs	103.15	16.03	10.39	129.57	3.45	77.27	1.15	162.27	168.67	-23.20	-24.76	356.29	7.52	363.81	63.09	426.89	49.85

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 07/Oct/2014

Position as on 6.30 Hrs of 08/Oct/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	
Koyna Unit 11	80	23/09/2014	02.30		Continued.	Stator Earth Fault	
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.	economic shutdown	
Chandrapur Unit 1	210	28/08/2014	07.15		Continued.	economic shutdown	
Uran Unit 8	108	04/09/2014	19.33		Continued.	Gas Shortage	
Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	Economic shutdown	
CPP Adani U-2	660	15/09/2014	11.28		Continued.	GT Blast(fire on Y-Ph).	
Nasik Unit 4	210	30/09/2014	13.00	07/10/2014	20.45	ID Fan Problem	
CPP IPL U-2	270	01/10/2014	08.10		Continued.	Coal Shortage	
CPP Adani U1	660	03/10/2014	08.11	07/10/2014	20.34	Gen. T/F R-Phase Bushing Replacement.	
Bhusawal Unit 3	210	03/10/2014	10.54	07/10/2014	16.40	Flame Failure.	
CPP VIPL U-2	300	05/10/2014	00.30		Continued.	CHP coal feeding prob.	
Bhusawal Unit 4	500	05/10/2014	15.48		Continued.	BTL	
Parli Unit 5	210	07/10/2014	00:26		Continued.	Coal Shortage.	10/10/2014
Khaparkheda Unit 4	210	07/10/2014	12.50		Continued.	BLR T/L.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 07/Oct/2014

Position as on 6.30 Hrs of 08/Oct/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	06/10/2014	18:05	07/10/2014	12.45	Over Voltage.
Kolhapur - Mapusa - II	07/10/2014	17.09		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Kalmeshwar - Pandurna	07/10/2014	10.58	07/10/2014	17.35	Dist Prot.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
Pole-2 HV Side	07/10/2014	09.52		Continued.	Taken on TBC.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 500MVA ,GT-5 at Deepnagar	22/09/2014	10.50		Continued.	Repl.damaged poles of main CB pole.
400/220 KV 500MVA ICT I Main Bay (402) at K'kheda	07/10/2014	10.45	07/10/2014	12.49	Measurement of tan delta of CT.
Karad - Newkoyna - I	07/10/2014	11.15		Continued.	Relay Retrofitting Work.
400KV Tie Bay (ICT-I) 403 at K'kheda	07/10/2014	13.36	07/10/2014	15.08	Measurement of tan delta of CT.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
BBLSR-Waluj	06/10/2014	17:13		Continued.	To Attend Hot Spot on Y-ph CT.(Ready for Charging.)
Apta-HOC	06/10/2014	20:12		Continued.	Attend Hot Spot. Taken on TBC.
Nagothane-IPCL	07/10/2014	09.00	07/10/2014	19.13	To replace CT of R & Y-Ph.
Wadkhal-IPCL I	07/10/2014	09.40	07/10/2014	17.50	To avoid induction effect.
Aurangabad - Padegaon - I.	07/10/2014	10.37	07/10/2014	13.27	Repl of jumper of isolator ckt on TBC.
Wadkhal - Ndil - 2	07/10/2014	10.38	07/10/2014	11.25	Hot Spot.
Murud - Girawli.	07/10/2014	10.52	07/10/2014	13.38	R.M.Work.
Wadkhal-NDIL-3	07/10/2014	11.35	07/10/2014	12.10	Hot Spot.
Aurangabad-Padegaon CKT-II	07/10/2014	13.53	07/10/2014	15.16	Repl of jumper of isolator ckt on TBC.
Bus Section -II @ Pophali	07/10/2014	16.30	07/10/2014	21.50	P.M.Work.
220/132 KV 200 MVA ICT-I @ Harangul.	07/10/2014	18.17		Continued.	CT and isolator PAD Repl.work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Salsett-Borivali-II	06/10/2014	23:08	07/10/2014	02:00	To attend Hot Spot.
Borivali-Aarey-II	07/10/2014	02:19	07/10/2014	04:40	To attend Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	06/10/2014	15:43	07/10/2014	08.52	Over Voltage.
Karad - Kolhapur - II	07/10/2014	15.35		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Pophali - Nerle	06/10/2014	09:30		Continued.	Due to Cond. Snapping.
Voltage Level : 220KV			Outage Type TRIPPED		
Borivali - Salset - I	04/10/2014	17.20		Continued.	Cable Fault At Borivali.
Ghodbandar - Bhoisor (MSETCL)	07/10/2014	17.43	07/10/2014	22.17	R-Ph,E/F.
Voltage Level : 132KV			Outage Type TRIPPED		
Deepnagar - Jalgaon MIDC	07/10/2014	14.05	07/10/2014	17.25	Dist Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 08/Oct/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	130
Unit 7	210	120
	620	250
Bhusawal		
Unit 2	210	0
Unit 3	210	130
Unit 4	500	0
Unit 5	500	280
	1420	410
Parli		
Unit 3	210	0
Unit 4	210	155
Unit 5	210	0
Unit 6	250	189
Unit 7	250	185
	1130	529
Chandrapur		
Unit 1	210	0
Unit 2	210	130
Unit 3	210	130
Unit 4	210	150
Unit 5	500	300
Unit 6	500	300
Unit 7	500	325
	2340	1335
Paras		
Unit 3	250	180
Unit 4	250	180
	500	360
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	0
Unit 5	500	400
	1340	910
Nasik		
Unit 3	210	190
Unit 4	210	160
Unit 5	210	190
	630	540
Uran		
All Units	852	435
	852	435
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	41
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	
SMLHY PTN	12	25
GHATGHAR	250	
	611	66
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	1075
WARDHA	405	230
Adani	2640	1655
Other CPPs	300	518
	4545	3478
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	6904
	3455	6904

	21940	18434
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