



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Oct/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Oct/2014 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	110.435	1623.551	1) Gujrat	3.502	108.951
2) Hydro	7.290	198.527	2) Madhya Pradesh	21.273	325.666
3) Gas	10.249	154.693	3) Chattisgarh	10.760	149.580
Total MSGENCO	127.974	1976.771	4) Maharashtra Net	117.520	1773.530
B) 1) JSW JAIGAD	26.751	411.737	(Incl. 765kV Solapur-Raichur)	-7.643	-102.498
2) WPCL	5.246	85.278	5) Goa	-8.601	-111.490
3) ADANI	53.190	616.500	6) TAPS 1&2 Injection	3.624	95.619
4) Other CPP / IPP	14.000	222.701	7) RGPPL Injection	0.000	0.000
5) Wind Generation	3.232	62.984	8) Pench (Excess)	-1.021	-13.904
6) PENCH (MS)	1.021	13.904	# Total Cent. Sector	147.057	2327.952
7) SOLAR	1.055	15.861	F) Other Exchanges		
C) 1) TPCL Thermal	19.909	297.405	1) With TPCL (Excess)	-24.328	-377.907
2) TPCL Hydro	0.273	53.142	G) Bilateral Power *		
TOTAL TPCL	20.182	350.547	1) MSEDCL Bilateral	60.097	888.949
3) REL Thermal	12.434	176.103	Include PX	26.448	373.858
D) STATE			2) MUMBAI Bilateral	23.154	353.374
1) Thermal (A1+C1+C3)	142.778	2097.059	Include PX	4.676	77.737
2) Hydro (A2+B6+C2)	8.584	265.573	3) MUMBAI Schedule	23.302	360.904
3) Gas (A3)	10.249	154.693	H) ENERGY CATERED (MUs)		
4) Wind (B5)	3.232	62.984	1) MSEDCL	355.198	5355.781
5) CPP/IPP (B1+B2+B3+B4)	99.187	1336.216	2) TPCL	34.949	567.260
6) SOLAR (B7)	1.055	15.861	3) REL	21.994	337.312
TOTAL STATE	265.085	3932.386	TOTAL STATE	412.141	6260.353

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4703	5065	4319
MSGENCO Hydro	661	130	404
MSGENCO Gas	425	407	440
MSGENCO Total Generation	5789	5602	5163
Central Sector Receipt	6908	6895	6194
WIND	45	44	238
CPP / IPP	4058	4167	4247
SOLAR	179	131	0
Exchange with Mumbai	-1146	-1178	-660
MSEDCL DEMAND MET	15874	15712	15202
Load Shedding	175	178	56
MSEDCL DEMAND	16049	15890	15258
TPCL GENERATION	887	839	830
R-INFRA GENERATION	520	518	520
TPCL+R-INFRA DEMAND	2553	2535	2010
STATE DEMAND MET	18427	18247	17212
STATE DEMAND	18602	18425	17268
Frequency (Hz)	49.92	49.94	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 18:01 Hrs	49.6 Hz at 06:19 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 15/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	2.86	39.05	148	0	140
Unit 7	3.03	47.34	150	105	145
Total	5.88	86.39			285
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.18	34.08	140	125	130
Unit 4	7.18	60.26	380	270	280
Unit 5	8.26	122.94	495	300	310
Total	18.64	217.27			720
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	37.63	0	0	0
Unit 5	0.00	21.60	0	0	0
Unit 6	4.76	67.90	226	174	180
Unit 7	4.59	67.09	223	169	180
Total	9.35	194.23			360
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.61	47.85	156	145	150
Unit 3	4.01	55.78	174	158	180
Unit 4	4.64	66.62	197	180	200
Unit 5	8.04	123.23	420	271	300
Unit 6	7.37	115.71	385	265	300
Unit 7	7.70	116.23	340	291	320
Total	35.39	525.44			1450
Paras					
Unit 3	4.48	65.43	248	168	180
Unit 4	4.54	64.07	232	172	180
Total	9.02	129.50			360
Khaparkheda					
Unit 1	3.93	53.74	200	130	180
Unit 2	0.00	36.90	0	0	0
Unit 3	4.38	59.92	210	155	210
Unit 4	4.48	49.88	206	162	210
Unit 5	9.47	133.26	500	315	450
Total	22.26	333.70			1050
Nasik					
Unit 3	4.31	62.54	195	165	190
Unit 4	4.08	32.89	183	156	190
Unit 5	1.50	41.60	175	0	0
Total	9.90	137.03			380
Uran					
All Units	10.25	154.69	443	407	450
Total	10.25	154.69			450
PENCH (MS)					
Pench (MS)	1.02	13.90	54	20	0
Total	1.02	13.90			0
Koyna					
Stage 1-2	2.70	60.88	440	40	530
Stage 4	2.50	82.38	280	0	250
Stage 3	0.90	31.19	160	0	240
Kovna 12&4 Total	5.20	143.26			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	6.11	174.45			1020
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.62	5.33	61	0	61
TILLARI	0.00	0.55	0	0	0
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.27	4.48	80	0	80
RNGR+BHTSA	0.00	2.10	0	0	0
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	2.18	0	0	0
SMLHY PTN	0.10	1.62	12	1	26
GHATGHAR	0.20	7.80	112	0	0
Total	1.18	24.08			167
Wind					
MalharPeth	0.06	1.61			
Vankuswadi	0.14	2.98			
ATIT	0.01	0.38			
Kale	0.03	1.16			
Satara	1.92	34.16			
Shirala	0.04	1.74			
K Mahankal	0.01	0.19			
Supa	0.11	1.35			
Vita	0.24	6.50			
Dondaicha	0.13	4.73			
Sakri	0.02	1.25			
Nandurbar	0.19	2.26			
Khandke	0.27	3.12			
Khaparale	0.08	1.55			
Total	3.23	62.98			
CPP					
JSW JAIGAD	26.75	411.74	1184	1059	1074
WARDHA	5.25	85.28	227	189	225
Adani	53.19	616.50	2310	1880	2283
Other CPPs	14.00	222.70			518
Total	99.19	1336.22			4100
SOLAR					
Total	1.06	15.86			
Total	1.06	15.86			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.69	176.03	499	439	500
Trombay 6	3.72	55.92	156	155	500
Trombay 7A	2.88	41.47	126	114	120
Trombay 7B	1.62	23.98	69	66	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	0.27	53.14	63	0	447
Total	20.18	350.55			1627
REL					
1&2	12.43	176.10	524	483	500
Total	12.43	176.10			500
Cent Sect					
Share					6783
Total					6783
MS PG CL	Thermal	110.44	1623.55		4605
	Thml+Gas	120.68	1778.24		5055
	Hydro	7.29	198.53		1187
	Total	127.97	1976.77		6242
State Total		265.08	3932.39		19252

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/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	4362	265	432	5059	143	4227	0	5972	6629	-1030	-1013	15094	88	15182	2346	17528	49.97
2	4320	455	434	5209	170	4241	0	5827	6426	-875	-823	15243	56	15299	2140	17439	50.00
3	4319	404	440	5163	238	4247	0	5941	6194	-766	-660	15202	56	15258	2010	17268	50.00
4	4363	300	440	5103	247	4257	0	5951	6221	-726	-562	15289	122	15411	1923	17334	50.04
5	4403	336	443	5182	236	4260	0	5918	6224	-686	-511	15444	164	15608	1895	17503	49.94
6	4355	412	433	5200	235	4254	0	6342	6552	-626	-557	15738	182	15920	1918	17838	49.86
7	4392	572	430	5394	247	4242	1	6401	6490	-642	-525	15898	217	16115	1949	18064	49.85
8	4495	268	435	5198	133	4263	30	5957	5677	-667	-628	14722	223	14945	1992	16937	50.05
9	4474	58	430	4962	88	4217	67	5553	5351	-796	-774	13934	133	14067	2130	16197	50.01
10	4516	137	426	5079	56	4250	124	6311	5958	-877	-960	14530	168	14698	2328	17026	49.92
11	4508	152	426	5086	52	3958	138	6788	6760	-1037	-1185	14842	196	15038	2492	17530	49.91
12	4703	661	425	5789	45	4058	179	6800	6908	-1139	-1146	15874	175	16049	2553	18602	49.92
13	4982	523	416	5921	60	4149	143	6920	6640	-1186	-1220	15747	234	15981	2583	18564	49.90
14	5065	130	407	5602	44	4167	131	6940	6895	-1170	-1178	15712	178	15890	2535	18425	49.94
15	5115	341	411	5867	42	4179	107	6881	6583	-1200	-1216	15613	164	15777	2570	18347	49.92
16	4839	323	414	5576	34	4185	78	6794	6549	-1219	-1234	15237	138	15375	2582	17957	49.89
17	4667	107	422	5196	35	4093	45	6644	5639	-1183	-1210	13847	72	13919	2558	16477	49.92
18	4647	431	423	5501	68	3967	11	5496	5308	-1131	-1180	13729	115	13844	2534	16378	49.83
19	4689	341	423	5453	99	4113	1	5711	5692	-1021	-1276	14136	152	14288	2643	16931	49.96
20	4704	422	424	5550	123	4189	0	5998	5935	-1025	-1355	14495	160	14655	2720	17375	50.10
21	4656	209	426	5291	208	3960	0	5842	6075	-1094	-1337	14220	158	14378	2691	17069	50.01
22	4660	192	426	5278	194	3758	0	5686	5597	-1052	-1320	13554	156	13710	2693	16403	50.01
23	4653	149	430	5232	198	3974	0	5911	5407	-1102	-1283	13577	156	13733	2632	16365	50.01
24	4548	102	433	5083	237	3979	0	5882	5347	-1054	-1175	13521	142	13663	2527	16190	49.99
MUs	110.44	7.29	10.25	127.97	3.23	99.19	1.06	148.47	147.06	-23.30	-24.33	355.20	3.60	358.80	56.94	415.75	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 15/Oct/2014

Position as on 6.30 Hrs of 16/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-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	15/10/2014	18.58	GT Blast(fire on Y-Ph).	
CPP IPL U-2	270	01/10/2014	08.10		Continued.	Coal Shortage	
CPP VIPL U-2	300	05/10/2014	00.30		Continued.	CHP coal feeding prob.	
Parli Unit 5	210	07/10/2014	00:26		Continued.	Coal Shortage.	
Nasik Unit 5	210	10/10/2014	19.45	15/10/2014	12.20	BTL	
Cent_Sect Tarapur 1	160	12/10/2014	22.39		Continued.	Refuelling work.	
Parli Unit 4	210	13/10/2014	10.49		Continued.	Coal Shortage.	
Khaparkheda Unit 2	210	13/10/2014	13.40		Continued.	BLR T/L.	
CPP WPCL U-3	135	15/10/2014	00.01		Continued.	ID Fan Vibration Problem.	
Koradi Unit 6	210	15/10/2014	12.50	15/10/2014	15.36	Furnace Pressure High	
CPP Adani U1	660	15/10/2014	20.29		Continued.	Main Steam Line Leakage	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Oct/2014

Position as on 6.30 Hrs of 16/Oct/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
IntraState					
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.
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.)
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	15/10/2014	12.44		Continued.	Over Voltage
Karad - Kolhapur - II	15/10/2014	16.39		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Hingoli-Pusad	13/10/2014	11.17		Continued.	To control Wardha-Y'mal loading.
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
Borivali - Salset - I	04/10/2014	17.20		Continued.	Cable Fault At Borivali.
Aarey - Saki - I	11/10/2014	12.39		Continued.	Distance protection
132/33KV 50MVA T/F I at 220KV Shahada	13/10/2014	01.05		Continued.	Diff Prot.
Karad Mudsingi-II	15/10/2014	07.16	15/10/2014	08.40	Distance Protection
Ambazari-Amravati	15/10/2014	08.36		Continued.	Distance Protection
Pusad - Bhugaon	16/10/2014	05.25	16/10/2014	05.46	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Oct/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	115
	620	255
Bhusawal		
Unit 2	210	0
Unit 3	210	130
Unit 4	500	280
Unit 5	500	320
	1420	730
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	190
Unit 7	250	175
	1130	365
Chandrapur		
Unit 1	210	0
Unit 2	210	150
Unit 3	210	180
Unit 4	210	200
Unit 5	500	350
Unit 6	500	300
Unit 7	500	350
	2340	1530
Paras		
Unit 3	250	180
Unit 4	250	180
	500	360
Khaparkheda		
Unit 1	210	180
Unit 2	210	0
Unit 3	210	210
Unit 4	210	210
Unit 5	500	450
	1340	1050
Nasik		
Unit 3	210	172
Unit 4	210	172
Unit 5	210	172
	630	516
Uran		
All Units	852	450
	852	450
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	240
	1920	1020
Hydro		
KDPH	40	0
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	
SMLHY PTN	12	11
GHATGHAR	250	
	611	152
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	1065
WARDHA	405	225
Adani	2640	2283
Other CPPs	300	518
	4545	4091
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	6911
	3455	6911

	21940	19557
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