



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Oct/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 04/Oct/2014 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	112.183	450.559	1) Gujrat	10.793	40.314
2) Hydro	23.862	42.399	2) Madhya Pradesh	20.248	81.976
3) Gas	10.244	41.219	3) Chattisgarh	9.040	33.990
Total MSGENCO	146.289	534.177	4) Maharashtra Net	107.545	430.143
B) 1) JSW JAIGAD	27.714	110.210	(Incl. 765kV Solapur-Raichur)	-10.105	-46.751
2) WPCL	4.330	19.520	5) Goa	-7.185	-27.027
3) ADANI	32.790	167.150	6) TAPS 1&2 Injection	7.084	28.664
4) Other CPP / IPP	15.708	67.444	7) RGPPL Injection	0.000	0.000
5) Wind Generation	2.835	11.002	8) Pench (Excess)	-1.116	-3.724
6) PENCH (MS)	1.116	3.724	# Total Cent. Sector	146.409	584.336
7) SOLAR	1.014	4.178	F) Other Exchanges		
C) 1) TPCL Thermal	19.898	78.000	1) With TPCL (Excess)	-28.110	-100.726
2) TPCL Hydro	3.944	8.908	G) Bilateral Power *		
TOTAL TPCL	23.842	86.908	1) MSEDCL Bilateral	38.484	184.942
3) REL Thermal	9.742	46.993	Include PX	7.177	61.985
D) STATE			2) MUMBAI Bilateral	25.522	98.307
1) Thermal (A1+C1+C3)	141.823	575.552	Include PX	4.489	10.862
2) Hydro (A2+B6+C2)	28.922	55.031	3) MUMBAI Schedule	27.347	100.317
3) Gas (A3)	10.244	41.219	H) ENERGY CATERED (MUs)		
4) Wind (B5)	2.835	11.002	1) MSEDCL	350.095	1401.015
5) CPP/IPP (B1+B2+B3+B4)	80.542	364.324	2) TPCL	38.645	146.924
6) SOLAR (B7)	1.014	4.178	3) REL	23.049	87.726
TOTAL STATE	265.380	1051.306	TOTAL STATE	411.789	1635.665

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5240	5279	4637
MSGENCO Hydro	1449	1717	132
MSGENCO Gas	419	413	433
MSGENCO Total Generation	7108	7409	5202
Central Sector Receipt	7612	6771	5064
WIND	17	33	50
CPP / IPP	3203	3213	3718
SOLAR	147	131	0
Exchange with Mumbai	-1414	-1524	-697
MSEDCL DEMAND MET	16721	16069	13386
Load Shedding	973	796	66
MSEDCL DEMAND	17694	16865	13452
TPCL GENERATION	1166	1183	831
R-INFRA GENERATION	521	400	520
TPCL+R-INFRA DEMAND	3101	3107	2048
STATE DEMAND MET	19822	19176	15434
STATE DEMAND	20795	19972	15500
Frequency (Hz)	49.86	49.82	49.93

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.15 Hz at 08:01 Hrs	49.65 Hz at 22:04 Hrs	49.91	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

Shift Engineer

Shift Incharge

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 04/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	3.04	12.36	140	90	130
Unit 7	3.19	11.17	150	115	155
Total	6.23	23.52			285
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	7.52	0	0	0
Unit 4	8.33	32.28	425	310	350
Unit 5	8.23	31.59	425	290	350
Total	16.56	71.39			700
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.54	9.36	158	137	151
Unit 5	3.66	14.75	163	142	165
Unit 6	4.61	19.38	247	175	186
Unit 7	4.66	19.60	241	165	186
Total	16.47	63.09			688
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.53	9.54	157	140	150
Unit 3	4.03	12.38	172	160	180
Unit 4	4.44	17.25	194	153	200
Unit 5	8.58	36.32	430	306	350
Unit 6	8.05	32.90	390	296	300
Unit 7	8.56	34.36	410	328	350
Total	37.19	142.75			1530
Paras					
Unit 3	4.69	17.72	218	173	200
Unit 4	4.90	16.08	230	172	230
Total	9.60	33.81			430
Khaparkheda					
Unit 1	3.49	14.06	160	130	170
Unit 2	0.00	9.25	0	0	0
Unit 3	3.73	15.70	172	135	170
Unit 4	3.70	15.45	168	140	170
Unit 5	7.21	29.19	345	270	350
Total	18.14	83.65			860
Nasik					
Unit 3	3.97	16.24	195	150	172
Unit 4	0.00	0.00	0	0	0
Unit 5	4.02	16.11	190	160	172
Total	8.00	32.35			344
Uran					
All Units	10.24	41.22	437	413	440
Total	10.24	41.22			440
PENCH (MS)					
Pench (MS)	1.12	3.72	52	36	0
Total	1.12	3.72			0
Koyna					
Stage 1-2	5.74	13.69	560	40	600
Stage 4	13.03	17.37	1100	0	250
Stage 3	3.41	6.38	240	0	240
Kovna 12&4 Total	18.78	31.06			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	22.19	37.44			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.	0.08	0.93	41	0	80
RNGR+BHTSA	0.37	0.37	16	15	0
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.14	0.51	13	2	11
GHATGHAR	1.09	2.60	125	0	0
Total	1.68	4.96			91
Wind					
MalharPeth	0.07	0.33			
Vankuswadi	0.14	0.67			
ATIT	0.01	0.07			
Kale	0.06	0.28			
Satara	1.50	6.54			
Shirala	0.08	0.41			
K Mahankal	0.00	0.03			
Supa	0.02	0.15			
Vita	0.21	1.09			
Dondaicha	0.37	0.56			
Sakri	0.05	0.06			
Nandurbar	0.09	0.27			
Khandke	0.19	0.41			
Khaparale	0.04	0.14			
Total	2.84	11.00			
CPP					
JSW JAIGAD	27.71	110.21	1207	1067	1100
WARDHA	4.33	19.52	182	178	180
Adani	32.79	167.15	1830	1140	1100
Other CPPs	15.71	67.44			719
Total	80.54	364.32			3099
SOLAR					
Total	1.01	4.18			
Total	1.01	4.18			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.85	45.88	500	448	500
Trombay 6	3.72	14.93	156	155	500
Trombay 7A	2.73	10.83	115	102	120
Trombay 7B	1.60	6.36	68	63	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.94	8.91	399	0	447
Total	23.84	86.91			1627
REL					
1&2	9.74	46.99	523	256	500
Total	9.74	46.99			500
Cent Sect					
Share					6939
Total					6939
MS PG CL	Thermal	112.18	450.56		4837
	Thml+Gas	122.43	491.78		5277
	Hydro	23.86	42.40		1181
	Total	146.29	534.18		6458
State Total		265.38	1051.31		18623

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/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	4615	188	432	5235	66	3867	0	4972	5494	-905	-1086	13623	88	13711	2389	16100	49.94
2	4636	183	432	5251	55	3801	0	4781	5331	-763	-839	13648	66	13714	2185	15899	49.93
3	4637	132	433	5202	50	3718	0	4788	5064	-673	-697	13386	66	13452	2048	15500	49.93
4	4561	244	434	5239	50	3696	0	4587	5248	-643	-608	13673	66	13739	1960	15699	49.97
5	4603	114	435	5152	66	3664	0	4736	5400	-639	-563	13758	66	13824	1915	15739	49.97
6	4552	395	430	5377	98	3663	0	5015	5418	-639	-590	14013	97	14110	1975	16085	49.87
7	4581	1203	437	6221	135	3654	0	4688	5132	-664	-643	14546	167	14713	2004	16717	49.96
8	4573	1458	435	6466	141	3241	26	4815	5392	-747	-732	14573	172	14745	2088	16833	49.97
9	4552	1418	432	6402	94	3191	76	5333	5640	-960	-974	14476	169	14645	2314	16959	49.99
10	4606	1753	428	6787	53	3200	109	5722	6164	-1133	-1128	15235	477	15712	2654	18366	49.88
11	4680	1208	429	6317	28	3197	156	6821	6802	-1297	-1295	15257	712	15969	2972	18941	49.85
12	4769	977	424	6170	17	3192	114	7357	8009	-1361	-1318	16234	831	17065	3075	20140	49.83
13	5240	1449	419	7108	17	3203	147	6849	7612	-1334	-1414	16721	973	17694	3101	20795	49.86
14	5279	1717	413	7409	33	3213	131	6200	6771	-1398	-1524	16069	796	16865	3107	19972	49.82
15	5195	1714	413	7322	47	3186	110	6267	6581	-1520	-1582	15702	431	16133	3041	19174	49.91
16	4728	1612	415	6755	68	3230	84	6218	6815	-1545	-1552	15437	349	15786	3033	18819	49.89
17	4525	1273	416	6214	147	3198	49	5980	6412	-1518	-1595	14472	579	15051	2957	18008	49.98
18	4552	1101	419	6072	86	3201	12	5692	5834	-1450	-1581	13670	645	14315	2846	17161	49.92
19	4581	820	423	5824	136	3222	0	5989	6665	-1434	-1523	14374	349	14723	2866	17589	49.88
20	4565	1148	426	6139	215	3222	0	6216	6668	-1349	-1453	14837	479	15316	2890	18206	50.02
21	4589	1032	426	6047	327	3216	0	6135	6080	-1354	-1467	14255	372	14627	2740	17367	49.95
22	4595	717	430	5742	312	3171	0	6016	6085	-1389	-1405	13957	219	14176	2591	16767	49.95
23	4540	956	428	5924	297	3197	0	5764	5914	-1381	-1287	14095	110	14205	2469	16674	49.78
24	4429	1050	435	5914	297	3199	0	5786	5878	-1250	-1254	14084	98	14182	2474	16656	49.84
MUs	112.18	23.86	10.24	146.29	2.84	80.54	1.01	136.73	146.41	-27.35	-28.11	350.10	8.38	358.47	61.69	420.17	49.91

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 04/Oct/2014

Position as on 6.30 Hrs of 05/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		Continued.	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		Continued.	Gen. T/F R-Phase Bushing Replacement.	
Bhusawal Unit 3	210	03/10/2014	10.54		Continued.	Flame Failure.	
Khaparkheda Unit 2	210	03/10/2014	20.05	05/10/2014	11.08	Coal Shortage.	
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	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 04/Oct/2014

Position as on 6.30 Hrs of 05/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-II	02/10/2014	21.57	04/10/2014	10.47	Over Voltage
Dabhol-Nagothane-II	03/10/2014	16.35	04/10/2014	09.27	D.T.Recive
Kolhapur-Solapur(PGCIL)-I	03/10/2014	17.01	04/10/2014	09.04	Over Voltage.
Kolhapur - Mapusa - I	04/10/2014	23.19	05/10/2014	09.56	over voltage
Kolhapur-Mapusa-II	05/10/2014	16.33		Continued.	over voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - I	03/10/2014	13.37	04/10/2014	09.29	Trriped R-E Fault.Ready for charging from 22 Hrs.
Kolhapur - Mapusa - I	04/10/2014	13.15	04/10/2014	14.47	disatnace protection
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		
Uran -Apta-III	04/10/2014	10.17	04/10/2014	17.55	maintance work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Jaigad I	02/10/2014	17.51	04/10/2014	08.19	Over Voltage
Bhusawal- Aurangabad	02/10/2014	18.06	04/10/2014	06.41	Over Voltage
Karad - Kolhapur - II	03/10/2014	15.54	04/10/2014	08.52	Over Voltage.
Lonikand- Koyna Stage IV	03/10/2014	16.05	04/10/2014	06.41	Over Voltage.
Khadka - Aurangabad	03/10/2014	18.06	04/10/2014	06.41	Over Voltage.
Karad-Jaigad I	05/10/2014	16.34		Continued.	over voltage
Khadka - Aurangabad	05/10/2014	17.45		Continued.	over voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Walunj-Deepnagar	04/10/2014	06.17	05/10/2014	17.50	Distance Protection.
Voltage Level : 220KV			Outage Type TRIPPED		
Pophali - Kandalgaon	03/10/2014	19:10	04/10/2014	00:35	LBB Operated.
Malharpeth-Satara MIDC	04/10/2014	17.03	04/10/2014	17.34	Distance Protection.
Pophali - Kandalgaon	04/10/2014	19.22	05/10/2014	04.40	distance protection
Kolhapur-Sawantwadi	05/10/2014	17.15	05/10/2014	20.31	distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/Oct/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	130
	620	130
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	350
Unit 5	500	340
	1420	690
Parli		
Unit 3	210	
Unit 4	210	130
Unit 5	210	130
Unit 6	250	180
Unit 7	250	180
	1130	620
Chandrapur		
Unit 1	210	0
Unit 2	210	140
Unit 3	210	180
Unit 4	210	200
Unit 5	500	350
Unit 6	500	350
Unit 7	500	350
	2340	1570
Paras		
Unit 3	250	180
Unit 4	250	180
	500	360
Khaparkheda		
Unit 1	210	170
Unit 2	210	0
Unit 3	210	170
Unit 4	210	170
Unit 5	500	350
	1340	860
Nasik		
Unit 3	210	172
Unit 4	210	0
Unit 5	210	172
	630	344
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	240
	1920	1090
Hydro		
KDPH	40	
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	
BHIRA T.R.	80	80
RNGR+BHTSA	20	
BHANDARDRA	45	
ELDARY	23	
SMLHY PTN	12	11
GHATGHAR	250	
	611	91
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	1100
WARDHA	405	165
Adani	2640	1234
Other CPPs	300	519
	4545	3018
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	250
	500	250
Cent Sect		
Share	3455	7132
	3455	7132

	21940	18222
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