



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Oct/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/Oct/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	111.085	1429.354	1) Gujrat	14.199	157.279
2) Hydro	9.247	116.268	2) Madhya Pradesh	16.611	258.628
3) Gas	11.300	128.649	3) Chattisgarh	11.870	164.502
Total MSGENCO	131.632	1674.271	4) Maharashtra	55.325	770.832
B) 1) JSW JAIGAD	28.440	364.965	5) Goa	-5.848	-79.864
2) WPCL	9.159	123.474	6) TAPS 1&2 Injection	4.782	60.973
3) ADANI	9.650	130.360	7) RGPPL Injection	14.969	196.607
4) Other CPP / IPP	5.586	91.712	8) Pench (Excess)	-0.593	-9.651
5) Wind Generation	2.248	36.273	# Total Cent. Sector	111.315	1519.306
6) PENCH (MS)	0.593	9.651	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-8.744	-162.291
1) TPCL Thermal	25.998	397.080	G) Bilateral Power *		
2) TPCL Hydro	1.594	53.824	1) MSEDCL Bilateral	47.017	603.249
TOTAL TPCL	27.592	450.904	Include PX	1.477	14.447
3) REL Thermal	12.579	175.287	2) MUMBAI Bilateral	11.149	188.933
D) STATE			Include PX	-0.794	31.845
1) Thermal (A1+C1+C3)	149.662	2001.721	3) MUMBAI Schedule	11.149	188.933
2) Hydro (A2+B5+C2)	11.434	179.743	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.300	128.649	1) MSEDCL	289.879	3787.721
4) Wind (B4)	2.248	36.273	2) TPCL	32.382	528.974
5) CPP (B1+B2+B3)	52.835	589.801	3) REL	16.533	259.474
TOTAL STATE	227.479	2936.187	TOTAL STATE	338.794	4576.169

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4439	4878	4496
MSGENCO Hydro	1192	397	77
MSGENCO Gas	459	469	476
MSGENCO Total Generation	6090	5744	5049
Central Sector Receipt	5045	5098	4128
WIND	150	55	102
CPP / IPP	2259	2209	2058
Exchange with Mumbai	-473	-482	-130
MSEDCL DEMAND MET	13071	12624	11257
Load Shedding	764	505	236
MSEDCL DEMAND	13835	13129	11493
TPCL GENERATION	1162	1100	1097
R-INFRA GENERATION	525	523	525
TPCL+R-INFRA DEMAND	2160	2105	1752
STATE DEMAND MET	15231	14729	13009
STATE DEMAND	15995	15234	13245
Frequency (Hz)	49.90	50.03	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.48 Hz at 18.01 Hrs	49.62 Hz at 11.08 Hrs	49.98	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 14/Oct/2012

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	2.99	40.01	146	110	120
Unit 7	3.24	20.16	145	120	130
Total	6.24	60.18			250
Bhusawal					
Unit 2	3.40	35.36	150	130	140
Unit 3	3.07	45.44	150	110	150
Unit 4	6.73	35.12	347	225	
Unit 5	0.00	0.00	0	0	
Total	13.21	115.93			290
Parli					
Unit 3	3.40	43.57	152	129	170
Unit 4	3.52	33.49	163	130	150
Unit 5	0.00	0.00	0	0	0
Unit 6	3.86	57.36	191	84	180
Unit 7	4.09	59.68	205	136	180
Total	14.88	194.09			680
Chandrapur					
Unit 1	3.61	44.87	155	139	155
Unit 2	3.45	43.86	161	124	140
Unit 3	4.75	49.87	200	192	200
Unit 4	4.54	35.37	195	161	200
Unit 5	7.08	111.18	315	280	300
Unit 6	7.49	119.86	340	280	300
Unit 7	7.27	106.86	330	250	300
Total	38.20	511.88			1595
Paras					
Unit 3	4.33	59.06	214	135	160
Unit 4	2.12	49.52	228	0	0
Total	6.45	108.58			160
Khaparkheda					
Unit 1	3.44	43.56	160	115	130
Unit 2	3.11	45.26	155	110	130
Unit 3	3.65	51.69	164	129	140
Unit 4	3.57	51.31	157	126	150
Unit 5	6.55	93.85	318	217	300
Total	20.32	285.67			850
Nasik					
Unit 3	4.10	58.90	190	155	200
Unit 4	3.76	38.72	178	135	180
Unit 5	3.93	55.40	184	73	185
Total	11.79	153.02			565
Uran					
All Units	11.30	128.65	483	453	460
Total	11.30	128.65			460
PENCH (MS)					
Pench (MS)	0.59	9.65	53	0	
Total	0.59	9.65			
Koyna					
Stage 1-2	3.24	38.26	465	40	600
Stage 4	3.25	28.09	473	0	250
Stage 3	1.45	16.25	240	0	240
Kovna 12&4 Total	6.49	66.35			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	7.94	82.60			1090
Hydro					
KDPH	0.00	0.19	0	0	0
VTRNA	0.00	0.24	0	0	60
TILLARI	0.04	3.10	39	0	35
BHTGR/VEER	0.12	2.12	6	5	4
BHIRA T.R.	0.22	3.58	73	0	80
RNGR+BHTSA	0.36	4.32	15	14	13
BHANDARDRA	0.00	2.90	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.38	8.83	22	13	11
GHATGHAR	0.19	8.39	116	0	
Total	1.31	33.67			203
Wind					
MalharPeth	0.11	2.09			
Vankuswadi	0.18	2.84			
ATIT	0.02	1.34			
Kale	0.05	1.01			
Satara	0.07	4.11			
Shirala	0.05	1.10			
K Mahankal	0.76	2.64			
Supa	0.04	0.60			
Vita	0.76	7.62			
Dondaicha	0.04	8.81			
Sakri	0.01	1.07			
Nandurbar	-0.00	1.02			
Khandke	0.17	1.26			
Khaparale	0.00	0.79			
Total	2.25	36.27			
CPP					
JSW JAIGAD	28.44	364.96	1217	1047	1100
WARDHA	9.16	123.47	420	370	420
Adani	9.65	130.36	410	390	
Other CPPs	5.59	91.71			
Total	52.84	710.51			1520
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.81	153.61	503	408	500
Trombay 6	3.78	99.70	162	155	500
Trombay 7A	2.91	38.72	124	117	120
Trombay 7B	1.64	22.16	69	66	60
Trombay 8	5.86	82.88	251	174	250
TATA Hydro	1.59	53.82	276	0	317
Total	27.59	450.90			1747
REL					
1&2	12.58	175.29	527	520	500
Total	12.58	175.29			500
Cent Sect					
Share					4510
Total					4510

MS PG CL	Thermal	111.08	1429.35			4390
	Thml+Gas	122.38	1558.00			4850
	Hydro	9.25	116.27			1293
	Total	131.63	1674.27			6143
State Total		227.48	2936.19			14420

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/Oct/2012

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	4430	102	474	5006	141	2239	4675	4613	-475	-468	11582	147	11729	2133	13862	49.83
2	4429	72	474	4975	125	2151	4606	4302	-402	-320	11284	205	11489	1941	13430	49.87
3	4448	72	474	4994	107	2058	4438	4197	-348	-200	11207	223	11430	1825	13255	49.97
4	4496	77	476	5049	102	2058	4415	4128	-323	-130	11257	236	11493	1752	13245	49.99
5	4538	72	479	5089	97	2081	4346	4240	-319	-186	11372	265	11637	1728	13365	49.95
6	4561	73	479	5113	88	2166	4556	4413	-419	-235	11598	420	12018	1778	13796	49.88
7	4612	73	482	5167	72	2218	4436	4349	-296	-153	11679	809	12488	1764	14252	50.03
8	4610	78	480	5168	45	2218	4540	4644	-402	-147	11938	803	12741	1767	14508	49.89
9	4539	489	468	5496	22	2225	4476	4656	-335	-231	12168	809	12977	1852	14829	49.91
10	4525	754	454	5733	41	2227	4748	5060	-407	-351	12710	565	13275	1985	15260	50.02
11	4488	1250	456	6194	119	2248	4823	5056	-503	-445	13172	549	13721	2113	15834	49.89
12	4439	1192	459	6090	150	2259	4934	5045	-577	-473	13071	764	13835	2160	15995	49.90
13	4536	935	453	5924	130	2263	4990	4979	-587	-460	12836	887	13723	2133	15856	49.84
14	4681	677	453	5811	86	2240	5029	4935	-566	-459	12613	789	13402	2090	15492	49.95
15	4746	462	461	5669	90	2212	5039	5376	-561	-483	12864	685	13549	2083	15632	49.98
16	4873	498	462	5833	66	2186	5041	5299	-558	-499	12885	596	13481	2102	15583	49.98
17	4878	397	469	5744	55	2209	4806	5098	-544	-482	12624	505	13129	2105	15234	50.03
18	4891	238	477	5606	52	2224	4308	4388	-493	-487	11783	490	12273	2109	14382	50.10
19	4804	752	474	6030	53	2223	4230	4445	-467	-423	12341	429	12770	2194	14964	50.04
20	4830	593	475	5898	49	2222	4414	4356	-495	-368	12210	708	12918	2254	15172	50.10
21	4834	148	477	5459	71	2227	4426	4341	-493	-381	11769	663	12432	2276	14708	50.09
22	4715	83	480	5278	134	2227	4435	4335	-502	-415	11587	647	12234	2276	14510	50.12
23	4637	80	481	5198	161	2233	4750	4459	-544	-473	11630	252	11882	2268	14150	50.03
24	4547	80	483	5110	192	2221	4584	4598	-535	-475	11698	174	11872	2227	14099	50.03
MUs	111.09	9.25	11.30	131.63	2.25	52.84	111.04	111.31	-11.15	-8.74	289.88	12.62	302.50	48.92	351.41	49.98

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 14/Oct/2012

Position as on 6.30 Hrs of 15/Oct/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refueling work.	14/10/2012
Parli Unit 5	210	06/09/2012	04.20		Continued.	Flame failure,converted to C.O.H from 15.09.2012(intimated on	29/10/2012
Koradi Unit 5	200	16/09/2012	04.23		Continued.	Low Bunkering, Converted to C O H from 20/09/2012.	
FORCED OUTAGE							
Tata TATA Hydro	444	05/09/2012	03:30		Continued.	BHIRA (BPSU-150MW)Unit tripped due to stator winding fault.	
Dabhol 2B	230	18/09/2012	18.42		Continued.	Gas shortage.	
Bhusawal Unit 5	500	29/09/2012	23.17		Continued.	B.T.G. & D.O.P. Work.	
Dabhol 2X	290	02/10/2012	07.15		Continued.	Gas Shortage.	
Dabhol 2A	230	02/10/2012	07.16		Continued.	Gas Shortage.	
Dabhol 1A	230	05/10/2012	15.00		Continued.	Gas Shortage.	
Uran Unit 8	108	07/10/2012	10.43		Continued.	Gas Shortage.	
Dabhol 1X	290	09/10/2012	13.56		Continued.	Gas Shortage.	
Dabhol 1B	230	09/10/2012	13.56		Continued.	Gas Shortage.	
Paras Unit 4	250	12/10/2012	22.09	14/10/2012	12.35	Boiler Tube Leakage	
Koyna Unit 11	80	13/10/2012	07.30		Continued.	Rotor Inspection	16/10/2012
Koyna Unit 7	80	14/10/2012	23.30		Continued.	Coller Water Leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Oct/2012

Position as on 6.30 Hrs of 15/Oct/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Chandrapur - Bhadravati - III	13/10/2012	10.48	14/10/2012	16.25	Line Crossing work
Chandrapur - Bhadravati - IV	13/10/2012	10.48	14/10/2012	17.23	Line Crossing work
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Wardha - Deoli (PGCIL)	06/10/2012	10.26		Continued.	WT Replacement Work, Ready for charging 15.45Hrs.Dt.06.10.2012
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur (PG) II	25/09/2012	20.43		Continued.	Over Voltage.
Kolhapur - Mapusa - II	27/09/2012	16.10		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	04/10/2012	21.19		Continued.	Over Voltage.
Wardha - Seoni - I	04/10/2012	22.03		Continued.	Over Voltage.
Parli-Parli (PGCIL) I	08/10/2012	00.40		Continued.	Over Voltage.
Akola - Wardha - II	14/10/2012	21.48		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Maintenance work.
400/220KV,200MVA Spare ICT at Kalwa.	22/08/2012	09.57		Continued.	Replacement of Isolator
Babaleshwar - Bhusawal	12/10/2012	14.25		Continued.	Replacement of Tower Loc.No.524,Ready for Charging from 19.35 Hrs dt 14.10.12.
400/220 KV 600 MVA ICT-II @ Kalwa	13/10/2012	11.19	14/10/2012	14.42	Replacement of 29D Isolator
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
220/6.6kv Stn. T/F NO.IV @ KORADI	25/09/2012	13.06		Continued.	Testing work.
Dhule-Chalisingaon	01/10/2012	13.14		Continued.	For Conneeting New Bbslr Ckt-II TO S/S Main Bus.
Apta-Nagothane	13/10/2012	07.58		Continued.	LILO arrangement at ACCIL
Alephata-Kathapur	14/10/2012	08.07	14/10/2012	18.47	Kathapur Line Shifting on Bus-II.
220/100KV 50 MVA T/F-III @ K'gaon	14/10/2012	11.48	14/10/2012	19.52	L V Side Breaker Overhauling Work.
Mulund-Trombay	14/10/2012	17.13	14/10/2012	21.04	Transfer of Load from Main C B to Central C B.
Lamboti-Bale-II	15/10/2012	06.03		Continued.	Conductor Replacement.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV 315MVA ICT-II @ Karad	12/10/2012	08.33		Continued.	Heavy Oil Leakage, charged at 18.56Hrs from LV side
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz protection operated.
Karad - Kolhapur - II	13/10/2012	23.50	14/10/2012	09.52	Over Voltage
Karad-Kolhapur-II	14/10/2012	21.48		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Oct/2012

Position as on 6.30 Hrs of 15/Oct/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 315 MVA ICT-II @ Dhule	04/08/2012	17.21		Continued.	B Ph. H V Side ICT-II Bushing Burst.
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated.
Deepnagar-Aurangabad-I	29/09/2012	11.31		Continued.	Dist.Prot.,Ready for Charging from 20.58 Hrs.
Voltage Level : 220KV			Outage Type TRIPPED		
Mudshingi - Chikodi	30/09/2012	19.40		Continued.	Distance Protection.
Girwali - Parbhani	14/10/2012	02.58	14/10/2012	08.37	Distance Protection Operated, Y Ph. L A Burst.
Karad-Kolhapur - II	14/10/2012	16.03		Continued.	Dist.Prot. B Ph to Neutral Z-II.
Karad-Pedambe	15/10/2012	03.58		Continued.	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
132/11 KV 16 MVA T/F - I @ Nanded	07/10/2012	04.25		Continued.	Caught Fired.
Boiser - Viraj	14/10/2012	12.39	14/10/2012	13.57	Dist.Prot. B Ph to Neutral.
Paranda-Bhoom	14/10/2012	17.34	14/10/2012	17.40	Breaker Tripped @ Paranda End Only.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/Oct/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	150
	620	290
Bhusawal		
Unit 2	210	140
Unit 3	210	150
Unit 4	500	0
Unit 5	500	0
	1420	290
Parli		
Unit 3	210	130
Unit 4	210	155
Unit 5	210	0
Unit 6	250	185
Unit 7	250	185
	1130	655
Chandrapur		
Unit 1	210	155
Unit 2	210	150
Unit 3	210	190
Unit 4	210	195
Unit 5	500	270
Unit 6	500	325
Unit 7	500	350
	2340	1635
Paras		
Unit 3	250	220
Unit 4	250	220
	500	440
Khaparkheda		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	160
Unit 4	210	160
Unit 5	500	250
	1340	870
Nasik		
Unit 3	210	172
Unit 4	210	162
Unit 5	210	167
	630	501
Uran		
All Units	852	460
	852	460
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	240
	1920	1010
Hydro		
KDPH	40	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	108
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	600	1100
WARDHA	405	420
Adani	660	
Other CPPs	0	
	1665	1520
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	318
	2024	1748
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4811
	3455	4811