



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

State Load Dispatch Center, Airoli

Daily system Report

for

13/Sep/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 13/Sep/2012 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	87.987	970.593	1) Gujrat	13.695	189.893
2) Hydro	6.662	126.266	2) Madhya Pradesh	22.993	276.166
3) Gas	7.444	123.643	3) Chattisgarh	10.770	145.190
Total MSGENCO	102.093	1220.502	4) Maharashtra	65.773	807.121
B) OTHERS			5) Goa	-5.166	-70.993
1) JSW JAIGAD	28.303	355.137	6) TAPS 1&2 Injection	4.074	49.760
2) WPCL	6.844	75.793	7) RGPPL Injection	12.692	179.884
3) Other CPP / IPP	6.083	76.860	8) Pench (Excess)	-0.864	-8.372
4) Wind Generation	12.943	197.490	# Total Cent. Sector	123.967	1568.649
5) PENCH (MS)	0.864	8.372	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-17.674	-206.802
1) TPCL Thermal	27.415	347.467	G) Bilateral Power *		
2) TPCL Hydro	4.136	55.771	1) MSEDCL Bilateral	35.702	454.916
TOTAL TPCL	31.551	403.238	Include PX	1.632	9.720
3) REL Thermal	6.300	82.032	2) MUMBAI Bilateral	18.591	207.484
D) STATE			Include PX	6.406	67.228
1) Thermal (A1+C1+C3)	121.702	1400.092	3) MUMBAI Schedule	18.591	210.213
2) Hydro (A2+B5+C2)	11.662	190.409	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.444	123.643	1) MSEDCL	263.423	3296.001
4) Wind (B4)	12.943	197.490	2) TPCL	37.846	471.359
5) CPP (B1+B2+B3)	41.230	507.790	3) REL	17.677	220.702
TOTAL STATE	194.981	2419.424	TOTAL STATE	318.946	3988.062

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3680	3806	3351
MSGENCO Hydro	416	715	162
MSGENCO Gas	300	310	316
MSGENCO Total Generation	4396	4831	3829
Central Sector Receipt	5553	5556	4711
WIND	559	516	529
CPP / IPP	1748	1673	1756
Exchange with Mumbai	-980	-847	-477
MSEDCL DEMAND MET	11326	11772	10391
Load Shedding	363	391	214
MSEDCL DEMAND	11689	12163	10605
TPCL GENERATION	1678	1568	836
R-INFRA GENERATION	264	263	265
TPCL+R-INFRA DEMAND	2922	2678	1578
STATE DEMAND MET	14248	14450	11969
STATE DEMAND	14611	14841	12183
Frequency (Hz)	50.15	49.99	50.13

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.44 Hz at 13:02 Hrs	49.46 Hz at 19:11 Hrs	50.06	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 13/Sep/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.54	24.10	125	84	110
Unit 6	3.17	26.44	151	114	115
Unit 7	2.70	30.86	140	45	150
Total	8.42	81.40			375
Bhusawal					
Unit 2	2.49	40.22	135	70	100
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	2.26	9.78	145	70	0
Total	4.75	49.99			100
Parli					
Unit 3	3.20	24.62	146	109	140
Unit 4	0.00	28.49	0	0	0
Unit 5	0.00	12.66	0	0	0
Unit 6	2.44	28.38	142	64	65
Unit 7	3.67	40.05	180	130	135
Total	9.31	134.20			340
Chandrapur					
Unit 1	3.22	30.94	157	99	100
Unit 2	3.48	28.46	161	110	130
Unit 3	0.00	0.00	0	0	0
Unit 4	0.29	15.38	102	0	0
Unit 5	7.14	73.64	355	235	250
Unit 6	7.72	71.87	400	235	300
Unit 7	6.85	89.29	330	250	275
Total	28.70	309.57			1055
Paras					
Unit 3	3.11	36.45	154	111	140
Unit 4	2.99	33.75	153	98	140
Total	6.10	70.21			280
Khaparkheda					
Unit 1	3.04	42.96	145	90	150
Unit 2	3.12	43.74	170	85	150
Unit 3	3.54	47.26	166	123	150
Unit 4	3.50	47.10	166	105	150
Unit 5	6.53	7.84	332	188	250
Total	19.73	188.90			850
Nasik					
Unit 3	3.97	49.78	190	100	200
Unit 4	3.35	54.39	175	0	200
Unit 5	3.67	32.15	170	106	180
Total	10.98	136.32			580
Uran					
All Units	7.44	123.64	322	299	280
Total	7.44	123.64			280
PENCH (MS)					
Pench (MS)	0.86	8.37	52	20	0
Total	0.86	8.37			0
Koyna					
Stage 1-2	1.24	32.72	165	40	600
Stage 4	0.13	12.04	129	0	250
Stage 3	0.99	18.14	320	0	320
Kovna 12&4 Total	1.37	44.76			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.36	62.90			1170
Hydro					
KDPH	0.95	9.35	40	39	36
VTRNA	0.00	0.66	0	0	0
TILLARI	0.67	8.16	60	0	60
BHTGR/VEER	0.22	2.58	10	9	9
BHIRA T.R.	0.35	5.62	81	0	80
RNGR+BHTSA	0.02	1.00	2	0	1
BHANDARDRA	0.70	10.40	30	29	29
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.81	15.89	39	30	14
GHATGHAR	0.57	9.72	120	0	0
Total	4.30	63.37			229
Wind					
MalharPeth	0.58	11.45			
Vankuswadi	1.07	19.70			
ATIT	0.19	4.39			
Kale	0.29	6.57			
Satara	3.57	33.58			
Shirala	0.31	8.21			
K Mahankal	0.08	17.24			
Supa	0.22	2.94			
Vita	2.58	38.09			
Dondaicha	2.02	28.61			
Sakri	0.50	5.95			
Nandurbar	0.11	2.19			
Khandke	1.12	12.67			
Khaparale	0.29	5.88			
Total	12.94	197.49			
CPP					
JSW JAIGAD	28.30	355.14	1206	1099	1095
WARDHA	6.84	75.79	300	259	300
Other CPPs	6.08	76.86			
Total	41.23	507.79			1395
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.96	138.17	505	289	500
Trombay 6	7.12	90.30	480	155	500
Trombay 7A	2.30	35.08	126	66	120
Trombay 7B	1.46	20.16	69	50	60
Trombay 8	5.59	63.75	249	197	250
TATA Hydro	4.14	55.77	306	0	297
Total	31.55	403.24			1727
REL					
1&2	6.30	82.03	265	240	250
Total	6.30	82.03			250
Cent Sect					
Share					5388
Total					5388

MS PG CL	Thermal	87.99	970.59			3580
	Thml+Gas	95.43	1094.24			3860
	Hydro	6.66	126.27			1399
	Total	102.09	1220.50			5259
State Total		194.98	2419.42			14019

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 13/Sep/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	3369	268	315	3952	581	1758	5068	4978	-665	-623	10669	136	10805	1887	12692	50.07
2	3282	170	315	3767	614	1744	4957	4891	-561	-516	10523	186	10709	1725	12434	50.06
3	3381	152	322	3855	577	1757	4918	4739	-521	-538	10414	203	10617	1635	12252	50.08
4	3351	162	316	3829	529	1756	4905	4711	-503	-477	10391	214	10605	1578	12183	50.13
5	3527	157	313	3997	503	1758	4905	4701	-502	-473	10528	251	10779	1577	12356	49.99
6	3541	157	313	4011	504	1748	4911	5027	-523	-453	10883	357	11240	1674	12914	49.95
7	3641	167	315	4123	375	1716	4957	4901	-564	-497	10666	761	11427	1803	13230	50.01
8	3706	160	312	4178	363	1727	5062	5224	-649	-552	10973	798	11771	1962	13733	50.03
9	3697	184	312	4193	504	1754	5191	4984	-717	-634	10835	840	11675	2259	13934	50.18
10	3618	372	310	4300	598	1738	5497	5236	-782	-704	11218	567	11785	2600	14385	50.06
11	3603	419	299	4321	565	1752	5753	5423	-975	-892	11219	435	11654	2844	14498	49.99
12	3680	416	300	4396	559	1748	5896	5553	-1056	-980	11326	363	11689	2922	14611	50.15
13	3754	313	304	4371	603	1752	5870	5178	-1011	-1008	10929	326	11255	2867	14122	50.21
14	3786	198	312	4296	593	1651	5351	5081	-946	-926	10718	291	11009	2709	13718	50.14
15	3695	203	308	4206	637	1652	5268	5233	-943	-956	10796	236	11032	2744	13776	50.05
16	3811	198	303	4312	805	1651	5283	5345	-963	-954	11182	203	11385	2758	14143	50.01
17	3927	196	303	4426	650	1624	5245	5170	-917	-950	10940	145	11085	2751	13836	50.09
18	3885	213	305	4403	513	1605	5093	4879	-770	-873	10547	158	10705	2694	13399	50.08
19	3870	687	307	4864	550	1692	5178	5128	-774	-832	11422	176	11598	2664	14262	49.99
20	3806	715	310	4831	516	1673	5712	5556	-845	-847	11772	391	12163	2678	14841	49.99
21	3846	533	307	4686	455	1727	5743	5622	-871	-785	11751	319	12070	2551	14621	49.96
22	3691	250	312	4253	480	1754	5731	5679	-876	-759	11452	266	11718	2362	14080	50.09
23	3755	220	314	4289	431	1754	5405	5577	-862	-716	11384	49	11433	2196	13629	50.00
24	3765	152	317	4234	438	1739	5293	5151	-797	-729	10885	22	10907	2085	12992	50.15
MUs	87.99	6.66	7.44	102.09	12.94	41.23	127.19	123.97	-18.59	-17.67	263.42	7.69	271.12	55.52	326.64	50.06

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 13/Sep/2012

Position as on 6.30 Hrs of 14/Sep/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.	30/09/2012
Bhusawal Unit 3	210	01/08/2012	07.15		Continued.	Capital Overhaul	14/09/2012
Chandrapur Unit 3	210	10/08/2012	19.33		Continued.	I D Fan Problem.(Converted to AOH)	14/09/2012
Cent_Sect NTPC(V-6)	210	29/08/2012	01.16		Continued.	AOH.	
REL 2	250	01/09/2012	04.18		Continued.	Annual Overhauling.	21/09/2012
Cent_Sect NTPC(K-3)	210	06/09/2012	00.13		Continued.	AOH.	
FORCED OUTAGE							
Dabhol 1B	230	23/07/2012	15.57		Continued.	Combustion Inspection	
Dabhol 1X	290	10/08/2012	17.31		Continued.	Gas Shortage.	
Dabhol 1A	230	10/08/2012	17.33		Continued.	Gas Shortage.	
Dabhol 2B	230	19/08/2012	17.29		Continued.	Gas Shortage.	
Koyna ST-IV 2	250	20/08/2012	12.22		Continued.	Buchholz relay alarm.	
Bhusawal Unit 4	500	27/08/2012	17.50		Continued.	BLR T/L.	
Dabhol 3A	230	30/08/2012	23:49		Continued.	Gas Shortage.	
Uran Unit 7	108	01/09/2012	16.33		Continued.	Gas Shortage.	
CPP WPCL U-3	135	05/09/2012	07.08	14/09/2012	06.01	Wet Coal.	
Parli Unit 5	210	06/09/2012	04.20		Continued.	Flame failure.	
Uran Unit 8	108	10/09/2012	21.07		Continued.	Gas shortage.	
Uran Unit B0	120	10/09/2012	21.07		Continued.	Gas shortage.	
Parli Unit 4	210	11/09/2012	13.15		Continued.	Coal shortage.	
Chandrapur Unit 4	210	13/09/2012	00.27	13/09/2012	19.53	Main steam temp.low.	
Nasik Unit 4	210	13/09/2012	21.40		Continued.	Main Steam Line Leakage	
Bhusawal Unit 2	210	14/09/2012	01.01		Continued.	Air Heater Problem	
Nasik Unit 5	210	14/09/2012	06.30		Continued.	Economiser Tube Leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/Sep/2012

Position as on 6.30 Hrs of 14/Sep/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Parli-Parli (PGCIL) I	02/08/2012	12.16	13/09/2012	16.45	Opening of Jumpers of Main Bus-I Between Lonikand -II & PGCIL - I.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni-Wardha-II 765KV.	24/08/2012	17.10		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	01/09/2012	16.34	13/09/2012	11.55	Over Voltage.
Kolhapur-Solapur (PG) II	07/09/2012	16.14		Continued.	Over Voltage.
Akola - Wardha - II	11/09/2012	23.22	13/09/2012	08.55	Over Voltage.
Akola - Aurangabad - I	12/09/2012	01.13	13/09/2012	08.31	Over Voltage.
Kolhapur - Mapusa - I	12/09/2012	16.58		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	13/09/2012	16.45		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
New Koyna - Karad - I	03/09/2012	11.52		Continued.	Relay testing work.
Aurangabad-Deepnagar-II	07/09/2012	09.42		Continued.	Maint.Work,Daily Basis Line is Ready for Charging from 18.30 Hrs.
Parli-Lonikand - II	13/09/2012	09.43	13/09/2012	15.41	Main Bus-I outage at parli
Main Bus - I @ Parli	13/09/2012	09.45	13/09/2012	15.30	Connection of Jumper M.B.I betn.MSETCL & PGCIL
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.
220/132 KV 150 MVA ICT-I @ Akola.	21/08/2012	09.18		Continued.	Augmentation by 200MVA ICT(work up to 14/9/2012)
Main Bus-II At 220 KV BBLSR	01/09/2012	20.37		Continued.	Replacement & Conversion of Twin Conductor to Quadrapale Conductor.
Dahanu - Ghodbandar - I	13/09/2012	09.00	13/09/2012	18.45	Annual Maint.work
Wardha - Yawatmal	13/09/2012	10.03	13/09/2012	18.33	Hot Spot
220/132KV,200 MVA ICT-II at C'gaon	13/09/2012	10.10	13/09/2012	19.05	Replacement of Line Isolator
C' Enka - Khadki	13/09/2012	10.19	13/09/2012	15.01	Maint.work
Aurangabad-Chitegaon-I	13/09/2012	11.04	13/09/2012	18.26	Maint.work
Nivali-N'koyna	13/09/2012	11.05	13/09/2012	14.15	Tree Cutting work
Uran - JNPT	13/09/2012	11.22	13/09/2012	16.31	R.M.Work
Wardha Power - Warora-I	13/09/2012	16.30	13/09/2012	18.07	Y Phase CT Oil Leakage
Wardha Power -Warora -II	13/09/2012	19.03	13/09/2012	20.36	Replacement of Jumper
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.
Bhusawal- Aurangabad	31/08/2012	12.33		Continued.	Over Voltage.
Karad - Kolhapur - II	08/09/2012	17.07		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/Sep/2012

Position as on 6.30 Hrs of 14/Sep/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Hingoli-Pusad	13/09/2012	09.56	13/09/2012	18.46	To control Line Loading
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.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
220/132 KV 150 MVA ICT-II @ Akola.	13/09/2012	16.50	13/09/2012	21.58	Differential protection operated
Voltage Level : 132KV			Outage Type TRIPPED		
Kalmeshwar-Saoner	13/09/2012	12.31	13/09/2012	12.54	Distance Protection
Chikhali - Khamgaon	13/09/2012	12.32	13/09/2012	12.52	Distance Protection
Paras-Akot	13/09/2012	16.48	13/09/2012	17.06	Distance Protection
Kej - Kallam	13/09/2012	18.19	13/09/2012	18.21	Distance Protection
Parbhani-Purna	13/09/2012	22.02	13/09/2012	22.17	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 14/Sep/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	95
Unit 6	210	132
Unit 7	210	70
	620	297
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	0
Unit 5	500	0
	1420	0
Parli		
Unit 3	210	132
Unit 4	210	0
Unit 5	210	0
Unit 6	250	140
Unit 7	250	160
	1130	432
Chandrapur		
Unit 1	210	140
Unit 2	210	160
Unit 3	210	0
Unit 4	210	150
Unit 5	500	350
Unit 6	500	300
Unit 7	500	250
	2340	1350
Paras		
Unit 3	250	130
Unit 4	250	130
	500	260
Khaparkheda		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	160
Unit 4	210	160
Unit 5	500	300
	1340	920
Nasik		
Unit 3	210	190
Unit 4	210	0
Unit 5	210	0
	630	190
Uran		
All Units	852	300
	852	300
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	36
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	9
BHIRA T.R.	80	80
RNGR+BHTSA	20	7
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	222
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	1095
WARDHA	405	300
Other CPPs	0	
	1005	1395
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	297
	2024	1727
REL		
1&2	500	250
	500	250
Cent Sect		
Share	3455	5070
	3455	5070