



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

State Load Dispatch Center, Airoli

Daily system Report

for

24/Sep/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 24/Sep/2012 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	86.778	1964.997	1) Gujrat	19.283	360.368
2) Hydro	16.583	256.777	2) Madhya Pradesh	21.831	501.225
3) Gas	7.456	220.048	3) Chattisgarh	11.040	266.010
Total MSGENCO	110.817	2441.822	4) Maharashtra	69.399	1490.312
B) 1) JSW JAIGAD	22.523	650.369	5) Goa	-6.145	-134.971
2) WPCL	5.571	155.022	6) TAPS 1&2 Injection	4.096	95.414
3) ADANI	4.920	61.110	7) RGPPL Injection	12.588	334.040
4) Other CPP / IPP	5.214	141.715	8) Pench (Excess)	-1.008	-19.558
5) Wind Generation	10.109	306.207	# Total Cent. Sector	131.084	2892.840
6) PENCH (MS)	1.008	19.603	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-10.361	-344.392
1) TPCL Thermal	28.299	632.790	G) Bilateral Power *		
2) TPCL Hydro	3.844	91.815	1) MSEDCL Bilateral	37.459	904.273
TOTAL TPCL	32.143	724.605	Include PX	5.706	69.881
3) REL Thermal	12.583	201.937	2) MUMBAI Bilateral	12.183	358.795
D) STATE			Include PX	0.998	81.103
1) Thermal (A1+C1+C3)	127.660	2799.724	3) MUMBAI Schedule	12.183	362.589
2) Hydro (A2+B5+C2)	21.435	368.195	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.456	220.048	1) MSEDCL	280.885	6324.296
4) Wind (B4)	10.109	306.207	2) TPCL	36.919	862.376
5) CPP (B1+B2+B3)	38.228	952.026	3) REL	18.165	408.523
TOTAL STATE	204.888	4646.200	TOTAL STATE	335.969	7595.195

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3696	3382	3661
MSGENCO Hydro	877	1919	79
MSGENCO Gas	304	310	318
MSGENCO Total Generation	4877	5611	4058
Central Sector Receipt	6063	5938	4320
WIND	291	429	476
CPP / IPP	1691	1315	2002
Exchange with Mumbai	-625	-505	-195
MSEDCL DEMAND MET	12348	12838	10710
Load Shedding	538	108	58
MSEDCL DEMAND	12886	12946	10768
TPCL GENERATION	1650	1696	894
R-INFRA GENERATION	525	524	524
TPCL+R-INFRA DEMAND	2800	2725	1613
STATE DEMAND MET	15148	15563	12323
STATE DEMAND	15686	15671	12381
Frequency (Hz)	49.93	50.01	50.05

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.41 Hz at 17.07 Hrs	49.49 Hz at 18.37 Hrs	49.99	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 24/Sep/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	28.39	0	0	0
Unit 6	3.31	52.74	156	115	120
Unit 7	0.00	45.23	0	0	0
Total	3.31	126.36			120
Bhusawal					
Unit 2	2.64	68.33	130	90	130
Unit 3	2.80	13.66	140	90	130
Unit 4	0.19	14.57	131	0	
Unit 5	1.98	31.89	104	71	
Total	7.61	128.45			260
Parli					
Unit 3	3.25	59.98	155	109	152
Unit 4	3.54	52.14	178	115	160
Unit 5	0.00	12.66	0	0	0
Unit 6	3.48	63.50	172	110	160
Unit 7	1.40	78.34	148	0	160
Total	11.67	266.61			632
Chandrapur					
Unit 1	3.62	63.45	155	145	150
Unit 2	3.56	60.43	160	135	140
Unit 3	3.89	30.50	181	142	150
Unit 4	0.00	32.82	0	0	0
Unit 5	5.93	147.84	265	215	250
Unit 6	6.69	150.72	355	207	275
Unit 7	6.73	164.20	330	248	250
Total	30.42	649.95			1215
Paras					
Unit 3	3.41	72.19	179	111	135
Unit 4	3.32	69.77	179	0	135
Total	6.74	141.96			270
Khaparkheda					
Unit 1	3.29	77.52	160	95	155
Unit 2	3.47	84.20	175	32	150
Unit 3	3.52	80.97	161	98	145
Unit 4	3.30	90.04	160	100	145
Unit 5	4.77	76.47	328	0	300
Total	18.35	409.19			895
Nasik					
Unit 3	4.02	98.32	185	150	200
Unit 4	1.17	80.72	85	0	60
Unit 5	3.49	63.43	158	136	170
Total	8.68	242.48			430
Uran					
All Units	7.46	220.05	322	298	290
Total	7.46	220.05			290
PENCH (MS)					
Pench (MS)	1.01	19.60	52	20	
Total	1.01	19.60			
Koyna					
Stage 1-2	5.62	69.35	510	40	600
Stage 4	5.40	44.16	748	0	250
Stage 3	2.96	34.37	316	0	320
Kovna 12&4 Total	11.01	113.51			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	13.97	147.88			1170
Hydro					
KDPH	0.00	18.18	0	0	36
VTRNA	0.00	1.02	0	0	0
TILLARI	0.06	10.95	57	0	60
BHTGR/VEER	0.20	5.90	9	8	8
BHIRA T.R.	0.20	8.41	81	0	80
RNGR+BHTSA	0.38	4.46	17	12	16
BHANDARDRA	0.00	15.12	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.42	26.23	24	15	9
GHATGHAR	1.34	18.63	250	0	0
Total	2.61	108.90			209
Wind					
MalharPeth	0.32	16.90			
Vankuswadi	0.56	27.91			
ATIT	0.07	6.34			
Kale	0.18	9.53			
Satara	0.20	44.65			
Shirala	0.18	11.14			
K Mahankal	1.28	27.32			
Supa	0.05	4.43			
Vita	1.49	55.98			
Dondaicha	4.24	58.46			
Sakri	0.54	10.94			
Nandurbar	0.41	4.92			
Khandke	0.18	17.36			
Khaparale	0.43	10.32			
Total	10.11	306.21			
CPP					
JSW JAIGAD	22.52	650.37	1193	881	820
WARDHA	5.57	155.02	295	162	340
Adani	4.92	61.11	450	0	
Other CPPs	5.21	141.72			
Total	38.23	1008.22			1160
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.56	248.90	504	287	500
Trombay 6	7.22	159.77	490	155	500
Trombay 7A	2.99	62.45	126	122	120
Trombay 7B	1.65	35.81	69	68	60
Trombay 8	5.89	125.86	252	211	250
TATA Hydro	3.84	91.82	286	0	297
Total	32.14	724.60			1727
REL					
1&2	12.58	201.94	526	522	500
Total	12.58	201.94			500
Cent Sect					
Share					5731
Total					5731

MS PG CL	Thermal	86.78	1965.00			3822
	Thml+Gas	94.23	2185.04			4112
	Hydro	16.58	256.78			1379
	Total	110.82	2441.82			5491
State Total		204.89	4646.20			14609

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 24/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	3568	104	318	3990	529	2035	4992	4710	-504	-391	10922	85	11007	1873	12880	50.06
2	3630	79	318	4027	511	1979	4782	4515	-428	-296	10785	48	10833	1707	12540	49.99
3	3661	79	318	4058	476	2002	4720	4320	-372	-195	10710	58	10768	1613	12381	50.05
4	3745	84	318	4147	444	2037	4695	4295	-342	-186	10787	63	10850	1568	12418	50.14
5	3747	89	316	4152	325	1791	4702	4799	-349	-181	10906	81	10987	1565	12552	50.07
6	3671	219	320	4210	338	1719	5035	5343	-353	-234	11426	116	11542	1650	13192	49.90
7	3763	299	322	4384	353	1737	5103	5315	-407	-285	11554	434	11988	1757	13745	49.99
8	3839	104	318	4261	366	1755	5170	5260	-479	-332	11330	661	11991	1904	13895	50.05
9	3887	291	310	4488	317	1745	5188	5444	-482	-393	11621	649	12270	2192	14462	49.97
10	3951	596	310	4857	251	1722	5650	5744	-501	-443	12182	404	12586	2545	15131	49.98
11	3800	875	301	4976	246	1622	5871	6104	-674	-565	12435	409	12844	2762	15606	49.98
12	3696	877	304	4877	291	1691	5951	6063	-730	-625	12348	538	12886	2800	15686	49.93
13	3632	716	304	4652	443	1573	5919	6125	-613	-609	12232	674	12906	2798	15704	49.94
14	3616	431	301	4348	504	1624	5834	6001	-522	-589	11919	649	12568	2723	15291	49.97
15	3764	840	298	4902	601	1378	5573	5897	-559	-628	12198	530	12728	2768	15496	49.85
16	3626	1004	304	4934	555	1308	5603	5786	-534	-594	12038	475	12513	2763	15276	49.94
17	3535	1206	305	5046	622	1298	5246	5384	-534	-582	11818	412	12230	2750	14980	50.07
18	3458	514	309	4281	632	1312	5319	5427	-460	-505	11171	343	11514	2687	14201	50.07
19	3436	901	310	4647	485	1314	5719	5950	-472	-446	11998	113	12111	2670	14781	49.93
20	3382	1919	310	5611	429	1315	5720	5938	-559	-505	12838	108	12946	2725	15671	50.01
21	3334	1529	309	5172	338	1318	5659	5915	-581	-429	12362	103	12465	2513	14978	49.94
22	3385	1242	308	4935	352	1314	5691	5989	-586	-468	12147	101	12248	2387	14635	50.07
23	3350	1234	310	4894	372	1320	5463	5602	-590	-477	11737	89	11826	2274	14100	49.94
24	3302	1351	315	4968	329	1319	5000	5157	-552	-403	11420	77	11497	2093	13590	49.98
MUs	86.78	16.58	7.46	110.82	10.11	38.23	128.60	131.08	-12.18	-10.36	280.88	7.22	288.10	55.09	343.19	49.99

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 24/Sep/2012

Position as on 6.30 Hrs of 25/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
Cent_Sect NTPC(V-6)	210	29/08/2012	01.16		Continued.	AOH.	
Cent_Sect NTPC(K-3)	210	06/09/2012	00.13		Continued.	AOH.	
Parli Unit 5	210	06/09/2012	04.20		Continued.	Flame failure,converted to C.O.H from 15.09.2012(intimated on	25/10/2012
Koradi Unit 5	200	16/09/2012	04.23		Continued.	Low Bunkering, Converted to C O H from 20/09/2012.	
FORCED OUTAGE							
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.	
Koyna ST-IV 2	250	20/08/2012	12.22		Continued.	Buchollz relay alarm.	
Uran Unit 8	108	10/09/2012	21.07		Continued.	Gas shortage.	
Cent_Sect NTPC(V-2)	210	17/09/2012	00.39	24/09/2012	01.18	Coal Shortage.	
Dabhol 2B	230	18/09/2012	18.42		Continued.	Gas shortage.	
Chandrapur Unit 4	210	20/09/2012	08.45		Continued.	ID fan motor burnt.	
CPP WPCL U-1	135	20/09/2012	09.46	25/09/2012	03.32	I.D.fan vibration high.	
Nasik Unit 4	210	21/09/2012	00.04	24/09/2012	04.00	ID fan problem.	
Uran Unit 7	108	21/09/2012	02.53		Continued.	Gas Shortage.	
Koradi Unit 7	210	22/09/2012	06.31		Continued.	Coal Shortage.	
Dabhol 3A	230	23/09/2012	09.35		Continued.	Gas Shortage.	
Paras Unit 4	250	23/09/2012	22.41	24/09/2012	01.15	Flame Failure.	
Bhusawal Unit 4	500	24/09/2012	01.35		Continued.	Boiler Tube Leakage.	
CPP JSW (J) U3	300	24/09/2012	05.00		Continued.	ESP Maint.Work.	
CPP WPCL U-4	135	24/09/2012	09.50		Continued.	ID Fan Vibration Problem.	
Parli Unit 7	250	24/09/2012	10.38		Continued.	Coal Shortage.	
Khaparkheda Unit 5	500	24/09/2012	15.30	24/09/2012	21.04	Air Pressure Low.	
Koyna ST-IV 1	250	24/09/2012	16.30	24/09/2012	18.55	Down stream seal not released.(While converting to condensor mode)	
Khaparkheda Unit 2	210	24/09/2012	23.20	25/09/2012	03.02	Furnace Pressure High.	
Bhusawal Unit 3	210	25/09/2012	05.07	25/09/2012	06.50	Furnace Pressure High.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 24/Sep/2012

Position as on 6.30 Hrs of 25/Sep/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Akola-Aurangabad--II	24/09/2012	12.54	24/09/2012	15.58	Line on Tie bay maint.work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur (PG) II	07/09/2012	16.14		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	13/09/2012	16.45		Continued.	Over Voltage
Kolhapur - Mapusa - II	22/09/2012	16.30		Continued.	Over Voltage.
Seoni-Wardha-II 765KV.	24/09/2012	00.18	24/09/2012	12.14	Over Voltage.
Chandrapur - Bhadravati-IV	24/09/2012	17.30	24/09/2012	17.45	Digital voltmeter testing,transducer display problem(PGCIL Work).
Seoni-Wardha-II 765KV.	25/09/2012	00.16		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
Aurangabad-Deepnagar-II	07/09/2012	09.42		Continued.	Maint.Work,Daily Basis Line is Ready for Charging from 18.30 Hrs.
400/220/33KV,500 MVA ICT-I At Kalwa	24/09/2012	11.15	24/09/2012	12.10	Taken on TBC,HV side BKR SF6 gas filling.
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 14/10/2012)
220/33 KV 100 MVA ICT - I @ Jamde	24/09/2012	09.16	24/09/2012	15.35	Tan delta measurement.
Pedambe - Oni	24/09/2012	10.05	24/09/2012	14.55	Q.M.Work
Wardha Power - Warora-I	24/09/2012	14.44	24/09/2012	16.25	To attend B-Ph PT Connector.
220/33 KV 100 MVA ICT - II @ Jamde	24/09/2012	15.40	24/09/2012	19.50	Tan delta measurement.
Lamboti - Pandharpur	24/09/2012	17.22	24/09/2012	18.11	Attending Hot Spot.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bhusawal - Suprim	24/09/2012	15.53	24/09/2012	17.40	Disconnection of synchronising PT.
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.(Repl.of insulator.opp outage on 24.09.2012))
Karad - Kolhapur - I	23/09/2012	16.35	24/09/2012	10.12	Over Voltage.
Karad - Kolhapur - I	24/09/2012	17.04		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
Padgha-Temghar I	20/09/2012	22.57	24/09/2012	16.24	Due to tripping of Padghe ICT-II.
Babaleshwar - Ranjangaon	24/09/2012	14.40	24/09/2012	15.57	Outage on ICT-I at BBLR.
Padgha - Temghar - II	24/09/2012	16.25		Continued.	Attending Hot Spot.
Voltage Level : 400KV			Outage Type TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 24/Sep/2012

Position as on 6.30 Hrs of 25/Sep/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
400/220 KV 315 MVA ICT-II @ Dhule	04/08/2012	17.21		Continued.	B Ph. H V Side ICT-II Bushing Burst.
New Koyna - Koyna Stage IV - II	24/09/2012	16.57		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Khaparkheda-Kawlewada-I	22/09/2012	13.12		Continued.	Distance Protection Operated Z-I.
Halkarni-Tillary	24/09/2012	05.13	24/09/2012	10.44	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Kalmeshwar-Saoner	23/09/2012	16.13	24/09/2012	10.58	Distance Protection Operated Z-I Y Ph, Conductor Snapped.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 25/Sep/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	147
Unit 7	210	0
	620	147
Bhusawal		
Unit 2	210	130
Unit 3	210	0
Unit 4	500	0
Unit 5	500	0
	1420	130
Parli		
Unit 3	210	130
Unit 4	210	150
Unit 5	210	0
Unit 6	250	70
Unit 7	250	0
	1130	350
Chandrapur		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	170
Unit 4	210	0
Unit 5	500	250
Unit 6	500	300
Unit 7	500	250
	2340	1280
Paras		
Unit 3	250	150
Unit 4	250	150
	500	300
Khaparkheda		
Unit 1	210	120
Unit 2	210	110
Unit 3	210	110
Unit 4	210	110
Unit 5	500	250
	1340	700
Nasik		
Unit 3	210	190
Unit 4	210	70
Unit 5	210	150
	630	410
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	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	57
BHTGR/VEER	21	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	15
GHATGHAR	250	0
	611	171
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	823
WARDHA	405	300
Adani	660	
Other CPPs	0	
	1665	1123
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	500
	500	500
Cent Sect		
Share	3455	5802
	3455	5802