



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

State Load Dispatch Center, Airoli

Daily system Report

for

26/Sep/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 26/Sep/2012 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	96.043	2148.205	1) Gujrat	21.692	404.608
2) Hydro	16.321	296.984	2) Madhya Pradesh	23.437	547.878
3) Gas	8.878	236.337	3) Chattisgarh	11.570	288.630
Total MSGENCO	121.242	2681.526	4) Maharashtra	77.344	1639.973
B) 1) JSW JAIGAD	21.292	693.156	5) Goa	-6.365	-147.858
2) WPCL	7.253	168.825	6) TAPS 1&2 Injection	4.495	104.298
3) ADANI	0.000	61.110	7) RGPPL Injection	11.940	357.926
4) Other CPP / IPP	5.230	152.275	8) Pench (Excess)	-0.869	-21.212
5) Wind Generation	3.432	315.761	# Total Cent. Sector	143.244	3174.243
6) PENCH (MS)	0.869	21.257	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.961	-367.117
1) TPCL Thermal	28.499	690.014	G) Bilateral Power *		
2) TPCL Hydro	4.289	100.338	1) MSEDCL Bilateral	48.133	991.758
TOTAL TPCL	32.788	790.352	Include PX	16.342	93.798
3) REL Thermal	12.576	227.077	2) MUMBAI Bilateral	13.128	384.870
D) STATE			Include PX	1.742	85.263
1) Thermal (A1+C1+C3)	137.118	3065.296	3) MUMBAI Schedule	13.128	388.664
2) Hydro (A2+B5+C2)	21.479	418.579	H) ENERGY CATERED (MUs)		
3) Gas (A3)	8.878	236.337	1) MSEDCL	290.601	6901.036
4) Wind (B4)	3.432	315.761	2) TPCL	38.615	938.665
5) CPP (B1+B2+B3)	33.775	1014.256	3) REL	18.708	445.842
TOTAL STATE	204.682	5050.229	TOTAL STATE	347.924	8285.543

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	3922	4240	3905
MSGENCO Hydro	1400	1641	87
MSGENCO Gas	310	472	314
MSGENCO Total Generation	5632	6353	4306
Central Sector Receipt	6304	5933	5487
WIND	50	109	196
CPP / IPP	1407	1434	1336
Exchange with Mumbai	-636	-570	-293
MSEDCL DEMAND MET	12782	13305	11052
Load Shedding	611	96	81
MSEDCL DEMAND	13393	13401	11133
TPCL GENERATION	1731	1710	860
R-INFRA GENERATION	525	523	525
TPCL+R-INFRA DEMAND	2892	2803	1678
STATE DEMAND MET	15674	16108	12730
STATE DEMAND	16285	16204	12811
Frequency (Hz)	49.87	49.94	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.38 Hz at 09:02 Hrs	49.33 Hz at 05:17 Hrs	49.95	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 26/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	2.84	58.52	145	100	120
Unit 7	0.00	45.23	0	0	0
Total	2.84	132.14			120
Bhusawal					
Unit 2	2.61	73.96	140	70	130
Unit 3	2.91	18.82	135	110	120
Unit 4	0.00	14.57	0	0	0
Unit 5	1.96	36.03	108	66	0
Total	7.48	143.36			250
Parli					
Unit 3	3.56	66.70	172	103	162
Unit 4	3.16	58.82	158	100	145
Unit 5	0.00	12.66	0	0	0
Unit 6	3.56	69.90	178	124	145
Unit 7	2.75	81.08	190	0	50
Total	13.02	289.16			502
Chandrapur					
Unit 1	3.61	70.72	153	147	150
Unit 2	3.58	67.68	158	140	150
Unit 3	4.31	39.02	195	126	170
Unit 4	0.00	32.82	0	0	0
Unit 5	6.24	159.83	305	215	250
Unit 6	8.12	166.27	439	270	325
Unit 7	8.64	179.24	404	304	350
Total	34.51	715.57			1395
Paras					
Unit 3	3.29	78.67	185	105	150
Unit 4	3.39	76.74	179	110	150
Total	6.68	155.41			300
Khaparkheda					
Unit 1	2.80	82.90	150	90	130
Unit 2	3.65	90.81	180	120	150
Unit 3	3.82	88.18	185	123	160
Unit 4	3.65	96.93	166	132	160
Unit 5	6.83	90.95	411	0	400
Total	20.74	449.78			1000
Nasik					
Unit 3	3.62	106.04	190	95	180
Unit 4	3.66	86.41	175	116	160
Unit 5	3.48	70.33	171	119	140
Total	10.76	262.78			480
Uran					
All Units	8.88	236.34	472	308	300
Total	8.88	236.34			300
PENCH (MS)					
Pench (MS)	0.87	21.26	52	10	0
Total	0.87	21.26			0
Koyna					
Stage 1-2	6.44	84.46	575	45	600
Stage 4	6.14	60.75	841	0	250
Stage 3	2.42	40.73	238	0	320
Kovna 12&4 Total	12.58	145.21			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	15.01	185.94			1170
Hydro					
KDPH	0.00	18.18	0	0	0
VTRNA	0.00	1.02	0	0	0
TILLARI	0.06	11.07	60	0	58
BHTGR/VEER	0.20	6.31	9	8	4
BHIRA T.R.	0.23	8.85	80	0	80
RNGR+BHTSA	0.19	4.66	16	0	0
BHANDARDRA	0.29	15.41	13	12	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.34	26.92	20	11	14
GHATGHAR	0.00	18.63	0	0	0
Total	1.31	111.05			156
Wind					
MalharPeth	0.20	17.69			
Vankuswadi	0.29	28.71			
ATIT	0.04	6.60			
Kale	0.11	9.81			
Satara	0.61	45.44			
Shirala	0.09	11.39			
K Mahankal	0.01	27.57			
Supa	0.13	4.61			
Vita	0.44	56.85			
Dondaicha	0.96	62.01			
Sakri	0.11	11.38			
Nandurbar	0.11	5.28			
Khandke	0.26	17.78			
Khaparale	0.07	10.63			
Total	3.43	315.76			
CPP					
JSW JAIGAD	21.29	693.16	905	815	823
WARDHA	7.25	168.82	310	286	375
Adani	0.00	61.11	0	0	
Other CPPs	5.23	152.28			
Total	33.78	1075.37			1198
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.61	270.18	503	284	500
Trombay 6	7.46	174.74	497	155	500
Trombay 7A	2.87	68.30	126	94	120
Trombay 7B	1.62	39.07	69	59	60
Trombay 8	5.94	137.73	253	211	250
TATA Hydro	4.29	100.34	306	0	297
Total	32.79	790.35			1727
REL					
1&2	12.58	227.08	526	522	500
Total	12.58	227.08			500
Cent Sect					
Share					5984
Total					5984

MS PG CL	Thermal	96.04	2148.20			4047
	Thml+Gas	104.92	2384.54			4347
	Hydro	16.32	296.98			1326
	Total	121.24	2681.53			5673
State Total		204.68	5050.23			15082

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 26/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	3836	413	314	4563	174	1428	5714	5593	-488	-357	11451	101	11552	1952	13504	49.85
2	3786	82	314	4182	173	1383	5727	5652	-439	-368	11072	85	11157	1833	12990	49.86
3	3980	157	314	4451	200	1338	5434	5417	-412	-329	11126	79	11205	1736	12941	50.03
4	3905	87	314	4306	196	1336	5447	5487	-390	-293	11052	81	11133	1678	12811	50.01
5	3901	77	314	4292	184	1333	5472	5627	-401	-296	11160	82	11242	1668	12910	49.92
6	3903	491	314	4708	186	1420	5534	5822	-421	-353	11835	97	11932	1756	13688	49.79
7	3988	782	314	5084	180	1419	5512	5731	-441	-432	12034	707	12741	1871	14612	49.96
8	4045	869	314	5228	152	1404	5395	5619	-474	-444	12009	725	12734	1998	14732	50.04
9	4053	1093	314	5460	156	1412	5427	5455	-480	-449	12084	715	12799	2244	15043	49.97
10	4069	825	319	5213	107	1424	6170	6143	-501	-502	12436	479	12915	2586	15501	49.98
11	4089	1067	308	5464	50	1414	6473	6517	-673	-585	12887	479	13366	2815	16181	49.92
12	3922	1400	310	5632	50	1407	6332	6304	-734	-636	12782	611	13393	2892	16285	49.87
13	4055	971	334	5360	32	1407	6538	6474	-707	-625	12673	743	13416	2877	16293	49.91
14	4029	425	339	4793	87	1406	6575	6657	-625	-572	12397	651	13048	2791	15839	49.95
15	4049	787	350	5186	170	1409	6156	6328	-655	-625	12492	562	13054	2838	15892	49.96
16	4102	746	374	5222	247	1403	6192	6326	-661	-617	12605	476	13081	2836	15917	49.96
17	4063	893	452	5408	235	1421	5574	5798	-665	-628	12244	387	12631	2818	15449	50.05
18	4105	183	461	4749	192	1416	5772	5688	-550	-554	11501	318	11819	2780	14599	50.06
19	4220	502	460	5182	165	1437	5995	6165	-465	-496	12500	103	12603	2764	15367	49.92
20	4240	1641	472	6353	109	1434	5957	5933	-552	-570	13305	96	13401	2803	16204	49.94
21	4014	1003	469	5486	64	1431	5989	6296	-584	-563	12741	96	12837	2672	15509	49.96
22	3862	637	471	4970	87	1427	6029	6297	-622	-550	12266	98	12364	2508	14872	50.01
23	3875	533	464	4872	96	1439	6030	6146	-623	-570	12032	78	12110	2375	14485	49.96
24	3952	657	469	5078	140	1427	5583	5769	-569	-547	11917	70	11987	2234	14221	49.94
MUs	96.04	16.32	8.88	121.24	3.43	33.78	141.03	143.24	-13.13	-11.96	290.60	7.92	298.52	57.32	355.84	49.95

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 26/Sep/2012

Position as on 6.30 Hrs of 27/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
Koyna ST-IV 2	250	20/08/2012	12.22		Continued.	Buchholz relay alarm.Gen.T/F overhauling	20/11/2012
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.	
Uran Unit 8	108	10/09/2012	21.07		Continued.	Gas 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.	27/09/2012
Uran Unit 7	108	21/09/2012	02.53	26/09/2012	09.29	Gas Shortage.	
Uran Unit B0	120	21/09/2012	02.53	26/09/2012	16.29	Gas shortage.	
Koradi Unit 7	210	22/09/2012	06.31		Continued.	Coal Shortage.	27/09/2012
Dabhol 3A	230	23/09/2012	09.35		Continued.	Gas Shortage.	
Bhusawal Unit 4	500	24/09/2012	01.35		Continued.	Boiler Tube Leakage.	27/09/2012
CPP JSW (J) U3	300	24/09/2012	05.00		Continued.	ESP Maint.Work.	
CPP WPCL U-4	135	24/09/2012	09.50	26/09/2012	23.46	ID Fan Vibration Problem.	
Parli Unit 7	250	24/09/2012	10.38	26/09/2012	04.49	Coal Shortage.	
CPP Adani	660	24/09/2012	14.36		Continued.	Boiler expansion problem.	
Koyna ST - IV 4	250	26/09/2012	03.04	26/09/2012	05.10	Sensor problem.Tripped while in condenser mode.	
Khaparkheda Unit 5	500	26/09/2012	20.12	26/09/2012	22.29	Flame failure.	
Bhusawal Unit 3	210	27/09/2012	04.56		Continued.	Boiler tube leakage.	30/09/2012

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 26/Sep/2012

Position as on 6.30 Hrs of 27/Sep/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Solapur-Solapur(PGCIL)	26/09/2012	10.08	26/09/2012	18.29	Replacement of broken insulator.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur(PGCIL)-I	13/09/2012	16.45	26/09/2012	09.07	Over Voltage
Seoni-Wardha-II 765KV.	25/09/2012	00.16		Continued.	Over Voltage.
Kolhapur - Mapusa - I	25/09/2012	16.44		Continued.	Over Voltage.
Warora - Tiroda - II	25/09/2012	17.00	26/09/2012	18.29	H/T for work on bus reactor-2 at Tiroda end.
Kolhapur-Solapur (PG) II	25/09/2012	20.43		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	27/09/2012	01.06		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.
400/220KV 315 MVA ICT III at Bhusawal	26/09/2012	08.25	26/09/2012	11.43	Taken on TBC.
400/220KV 315MVA ICT- I @ Chandrapur	26/09/2012	09.21	26/09/2012	19.49	Maint.of cap. and CT tan delta.
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	26/09/2012	17.49	Augmentation by 200MVA ICT(work up to 14/10/2012)
Main Bus-I at Koradi.	25/09/2012	12.20		Continued.	Testing work.
220/6.6kv Stn. T/F NO.IV @ KORADI	25/09/2012	13.06		Continued.	Testing work.
Akola - Balapur - II	26/09/2012	08.31	26/09/2012	18.58	Rectification work.
Akola - Balapur - I	26/09/2012	08.31	26/09/2012	18.58	Rectification work.
Bus coupler at Kharghar	26/09/2012	08.47	26/09/2012	16.22	Repl.of Twin Jumper of stub bus.
220/132,200 MVA ICT-2 AT Nasik GCR	26/09/2012	09.07	26/09/2012	17.00	Attend red hot.P.M.Work
Chandrapur MIDC-Gadhchandur-Matardevi	26/09/2012	10.25	26/09/2012	17.49	R.M.Work
Kolhapur-Mudsingi -II	26/09/2012	10.47	26/09/2012	14.23	Q.M.Work
Hinganghat-Bhugaon	26/09/2012	11.44	26/09/2012	13.59	Attend red hot on B ph.wave trap.
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	30/08/2012	16.23		Continued.	Over Voltage.
Karad - Kolhapur - I	24/09/2012	17.04	26/09/2012	10.06	Over Voltage.
Karad - Kolhapur - II	26/09/2012	16.16		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 26/Sep/2012

Position as on 6.30 Hrs of 27/Sep/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Padgha-Temghar I	25/09/2012	10.40	26/09/2012	16.50	To control Padgha ICT load.
Padgha - Temghar - II	25/09/2012	19.34	26/09/2012	17.01	To control Padgha ICT load.
Padgha-Temghar I	26/09/2012	18.57		Continued.	To control Padgha ICT load.
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.
New Koyna - StageIV - I	26/09/2012	02.46	27/09/2012	07.08	Auto reclose lock out.Tripped from Stg.IV end only.(Ready for charging at 21.00 Hrs.
New Koyna - Koyna Stage IV - II	26/09/2012	03.06	26/09/2012	07.38	Tripped on Over Voltage.D.T received.
Voltage Level : 220KV			Outage Type TRIPPED		
Khaparkheda-Kawlewada-I	22/09/2012	13.12	26/09/2012	16.02	Distance Protection Operated Z-I.
Kalwa-Colourchem	26/09/2012	16.50	26/09/2012	18.38	Distance protection.
Kalwa-Mulund-I	27/09/2012	05.40		Continued.	Cupling cap.burst at Mulund end.
Voltage Level : 132KV			Outage Type TRIPPED		
Kalmeshwar-Saoner Ckt.II	25/09/2012	18.52	26/09/2012	08.47	Distance protection operated.
Peth-Shiral	27/09/2012	02.05		Continued.	Distance protection.
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa - Kalyan	26/09/2012	18.04	26/09/2012	18.11	Disstance protection.B ph.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 27/Sep/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	115
Unit 7	210	0
	620	115
Bhusawal		
Unit 2	210	130
Unit 3	210	0
Unit 4	500	0
Unit 5	500	0
	1420	130
Parli		
Unit 3	210	152
Unit 4	210	160
Unit 5	210	0
Unit 6	250	160
Unit 7	250	160
	1130	632
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	180
Unit 4	210	0
Unit 5	500	250
Unit 6	500	325
Unit 7	500	325
	2340	1380
Paras		
Unit 3	250	170
Unit 4	250	185
	500	355
Khaparkheda		
Unit 1	210	130
Unit 2	210	130
Unit 3	210	130
Unit 4	210	130
Unit 5	500	300
	1340	820
Nasik		
Unit 3	210	180
Unit 4	210	170
Unit 5	210	160
	630	510
Uran		
All Units	852	450
	852	450
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	60
BHTGR/VEER	21	8
BHIRA T.R.	80	80
RNGR+BHTSA	20	16
BHANDARDRA	45	13
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	185
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	818
WARDHA	405	376
Adani	660	
Other CPPs	0	
	1665	1194
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	306
	2024	1736
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	6013
	3455	6013