



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

State Load Dispatch Center, Airoli

Daily system Report

for

25/Sep/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 25/Sep/2012 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	87.165	2052.162	1) Gujrat	22.548	382.916
2) Hydro	23.886	280.663	2) Madhya Pradesh	23.216	524.441
3) Gas	7.411	227.459	3) Chattisgarh	11.050	277.060
Total MSGENCO	118.462	2560.284	4) Maharashtra	72.317	1562.629
B) 1) JSW JAIGAD	21.495	671.864	5) Goa	-6.522	-141.493
2) WPCL	6.550	161.572	6) TAPS 1&2 Injection	4.389	99.803
3) ADANI	0.000	61.110	7) RGPPL Injection	11.946	345.986
4) Other CPP / IPP	5.330	147.045	8) Pench (Excess)	-0.785	-20.343
5) Wind Generation	6.122	312.329	# Total Cent. Sector	138.159	3030.999
6) PENCH (MS)	0.785	20.388	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-10.764	-355.156
1) TPCL Thermal	28.725	661.515	G) Bilateral Power *		
2) TPCL Hydro	4.234	96.049	1) MSEDCL Bilateral	39.352	943.625
TOTAL TPCL	32.959	757.564	Include PX	7.575	77.456
3) REL Thermal	12.564	214.501	2) MUMBAI Bilateral	12.946	371.741
D) STATE			Include PX	2.418	83.521
1) Thermal (A1+C1+C3)	128.454	2928.178	3) MUMBAI Schedule	12.946	375.535
2) Hydro (A2+B5+C2)	28.905	397.100	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.411	227.459	1) MSEDCL	286.139	6610.435
4) Wind (B4)	6.122	312.329	2) TPCL	37.674	900.050
5) CPP (B1+B2+B3)	33.375	980.481	3) REL	18.611	427.134
TOTAL STATE	204.267	4845.547	TOTAL STATE	342.424	7937.619

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	3591	3895	3361
MSGENCO Hydro	1304	1670	590
MSGENCO Gas	294	308	317
MSGENCO Total Generation	5189	5873	4268
Central Sector Receipt	6516	5965	4993
WIND	166	247	322
CPP / IPP	1412	1413	1315
Exchange with Mumbai	-684	-469	-203
MSEDCL DEMAND MET	12652	13052	10715
Load Shedding	635	157	110
MSEDCL DEMAND	13287	13209	10825
TPCL GENERATION	1652	1730	881
R-INFRA GENERATION	522	523	525
TPCL+R-INFRA DEMAND	2858	2722	1609
STATE DEMAND MET	15510	15774	12324
STATE DEMAND	16145	15931	12434
Frequency (Hz)	49.85	50.00	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.4 Hz at 08.02 Hrs	49.43 Hz at 22.06 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 25/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	2.94	55.68	155	77	147
Unit 7	0.00	45.23	0	0	0
Total	2.94	129.30			147
Bhusawal					
Unit 2	3.02	71.34	145	105	130
Unit 3	2.24	15.90	135	0	0
Unit 4	0.00	14.57	0	0	0
Unit 5	2.18	34.06	120	73	0
Total	7.43	135.88			130
Parli					
Unit 3	3.16	63.14	149	112	130
Unit 4	3.52	55.66	163	117	150
Unit 5	0.00	12.66	0	0	0
Unit 6	2.84	66.34	183	71	70
Unit 7	0.00	78.34	0	0	0
Total	9.52	276.13			350
Chandrapur					
Unit 1	3.65	67.10	160	148	160
Unit 2	3.67	64.10	161	143	150
Unit 3	4.22	34.72	191	148	170
Unit 4	0.00	32.82	0	0	0
Unit 5	5.74	153.58	275	200	250
Unit 6	7.43	158.15	410	250	300
Unit 7	6.40	170.59	305	240	250
Total	31.11	681.06			1280
Paras					
Unit 3	3.18	75.38	155	108	150
Unit 4	3.58	73.35	172	124	150
Total	6.76	148.72			300
Khaparkheda					
Unit 1	2.59	80.10	155	65	120
Unit 2	2.97	87.17	176	0	110
Unit 3	3.40	84.37	166	100	110
Unit 4	3.24	93.28	166	100	110
Unit 5	7.65	84.12	476	206	250
Total	19.85	429.04			700
Nasik					
Unit 3	4.10	102.42	200	140	190
Unit 4	2.03	82.75	153	58	70
Unit 5	3.41	66.85	152	125	150
Total	9.54	252.02			410
Uran					
All Units	7.41	227.46	322	284	300
Total	7.41	227.46			300
PENCH (MS)					
Pench (MS)	0.78	20.39	53	10	
Total	0.78	20.39			
Koyna					
Stage 1-2	8.67	78.02	590	85	600
Stage 4	10.45	54.61	754	0	250
Stage 3	3.93	38.30	244	80	320
Kovna 12&4 Total	19.12	132.63			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	23.05	170.93			1170
Hydro					
KDPH	0.00	18.18	0	0	0
VTRNA	0.00	1.02	0	0	0
TILLARI	0.06	11.01	58	0	57
BHTGR/VEER	0.22	6.12	10	9	4
BHIRA T.R.	0.21	8.62	82	0	80
RNGR+BHTSA	0.00	4.46	0	0	15
BHANDARDRA	0.00	15.12	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.35	26.58	20	12	15
GHATGHAR	0.00	18.63	0	0	0
Total	0.84	109.73			171
Wind					
MalharPeth	0.59	17.49			
Vankuswadi	0.51	28.42			
ATIT	0.23	6.56			
Kale	0.17	9.70			
Satara	0.18	44.83			
Shirala	0.16	11.30			
K Mahankal	0.23	27.56			
Supa	0.06	4.48			
Vita	0.44	56.41			
Dondaicha	2.59	61.05			
Sakri	0.33	11.27			
Nandurbar	0.25	5.17			
Khandke	0.16	17.52			
Khaparale	0.24	10.56			
Total	6.12	312.33			
CPP					
JSW JAIGAD	21.50	671.86	905	886	823
WARDHA	6.55	161.57	306	195	300
Adani	0.00	61.11	0	0	
Other CPPs	5.33	147.04			
Total	33.38	1041.59			1123
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.67	259.56	502	283	500
Trombay 6	7.52	167.28	499	157	500
Trombay 7A	2.98	65.43	126	121	120
Trombay 7B	1.64	37.45	69	68	60
Trombay 8	5.92	131.78	248	245	250
TATA Hydro	4.23	96.05	306	0	297
Total	32.96	757.56			1727
REL					
1&2	12.56	214.50	525	517	500
Total	12.56	214.50			500
Cent Sect					
Share					5802
Total					5802

MS PG CL	Thermal	87.16	2052.16			3317
	Thml+Gas	94.58	2279.62			3617
	Hydro	23.89	280.66			1341
	Total	118.46	2560.28			4958
State Total		204.27	4845.55			14110

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 25/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	3319	1172	316	4807	288	1329	4932	5062	-376	-350	11183	133	11316	1937	13253	50.00
2	3292	1165	317	4774	397	1315	4897	4890	-334	-327	11096	88	11184	1768	12952	49.94
3	3279	978	317	4574	303	1325	4871	4912	-316	-249	10912	103	11015	1655	12670	49.98
4	3361	590	317	4268	322	1315	4873	4993	-334	-203	10715	110	10825	1609	12434	50.00
5	3396	672	318	4386	313	1321	4873	5135	-334	-206	10969	133	11102	1614	12716	49.92
6	3410	1065	319	4794	331	1374	5154	5526	-360	-267	11805	175	11980	1675	13655	49.96
7	3431	1243	322	4996	301	1382	5191	5311	-420	-332	11678	673	12351	1801	14152	50.01
8	3679	1174	321	5174	179	1402	5228	5527	-466	-350	11952	698	12650	1934	14584	50.16
9	3665	1139	313	5117	182	1413	5465	5692	-466	-367	12047	686	12733	2233	14966	50.07
10	3562	1102	309	4973	186	1411	6128	6323	-511	-446	12457	485	12942	2585	15527	50.02
11	3527	1334	301	5162	128	1415	6320	6597	-680	-591	12764	485	13249	2820	16069	49.89
12	3591	1304	294	5189	166	1412	6453	6516	-803	-684	12652	635	13287	2858	16145	49.85
13	3727	788	310	4825	247	1415	6454	6399	-768	-678	12261	756	13017	2846	15863	50.00
14	3784	312	297	4393	389	1413	6447	6435	-673	-593	12088	643	12731	2770	15501	49.88
15	3909	512	284	4705	395	1404	6163	6353	-697	-618	12290	504	12794	2815	15609	49.85
16	3784	743	298	4825	335	1409	6135	6285	-673	-598	12307	466	12773	2826	15599	49.82
17	3618	1147	301	5066	275	1417	5549	5711	-678	-586	11903	420	12323	2785	15108	49.91
18	3669	743	301	4713	256	1416	5177	5448	-540	-479	11374	354	11728	2739	14467	50.04
19	3797	951	306	5054	279	1415	5493	5988	-498	-441	12318	132	12450	2705	15155	49.95
20	3895	1670	308	5873	247	1413	5801	5965	-600	-469	13052	157	13209	2722	15931	50.00
21	3871	1296	306	5473	189	1424	6006	5951	-617	-470	12591	151	12742	2597	15339	49.79
22	3896	944	309	5149	161	1410	5954	5852	-616	-477	12119	147	12266	2461	14727	49.84
23	3923	752	313	4988	124	1413	5898	5920	-622	-509	11960	102	12062	2336	14398	49.91
24	3778	1090	314	5182	129	1412	5258	5368	-563	-474	11644	89	11733	2196	13929	49.95
MUs	87.16	23.89	7.41	118.46	6.12	33.38	134.72	138.16	-12.95	-10.76	286.14	8.32	294.46	56.29	350.75	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 25/Sep/2012

Position as on 6.30 Hrs of 26/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.	Bucholz relay alarm.	
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.	
CPP WPCL U-1	135	20/09/2012	09.46	25/09/2012	03.32	I.D.fan vibration high.	
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.	
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	26/09/2012	04.49	Coal Shortage.	
CPP Adani	660	24/09/2012	14.36		Continued.	Boiler expansion problem.	
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.	
Bhusawal Unit 3	210	25/09/2012	09.34	25/09/2012	11.22	Furnace Pressure High.	
Koyna ST - IV 4	250	26/09/2012	03.04		Continued.	Sensor problem.Tripped while in condenser mode.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Sep/2012

Position as on 6.30 Hrs of 26/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 - Wardha - I	25/09/2012	10.07	25/09/2012	13.03	Line on Tie Bay,maint work main bay.
Akola - Wardha - II	25/09/2012	15.58	25/09/2012	19.09	AMP work.(Ckt.charged through tie bay.)
Warora - Tiroda - II	25/09/2012	17.00		Continued.	Oil Temp,WDG Temp.meter calibration of bus reactor 2.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur (PG) II	07/09/2012	16.14	25/09/2012	09.07	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	13/09/2012	16.45		Continued.	Over Voltage
Kolhapur - Mapusa - II	22/09/2012	16.30	25/09/2012	09.22	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.
Kolhapur-Solapur (PG) II	25/09/2012	20.43		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.
Koradi - Bhusawal	25/09/2012	11.10	25/09/2012	13.42	Isolator maint.work.Line taken on TBC.
400/220KV 500MVA ICT- I at Khaperkheda	25/09/2012	14.33	25/09/2012	15.30	Remote and protection trip trial of 220KV Bkr.of ICT-I.
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)
220/33KV,100MVA ICT-III at Jamde.	25/09/2012	09.00	25/09/2012	13.20	Relay testing and jumper replacement work.
Nasik-Bablsr - I	25/09/2012	09.09	25/09/2012	16.42	Attend red hot.
Padgha - Temghar - II	25/09/2012	09.44	25/09/2012	18.38	Attend red hot.
Mulund-Kalwa-II	25/09/2012	10.02	25/09/2012	17.55	Testing work.
220/132.200 MVA T/F-I at Oglewadi.	25/09/2012	11.45	25/09/2012	16.50	Testing work.
Main Bus-I at Koradi.	25/09/2012	12.20		Continued.	Testing work.
Khaparkheda-Ambazari - I	25/09/2012	12.28	25/09/2012	21.23	Checking and arresting oil leakage of B ph.CT.
220/6.6kv Stn. T/F NO.IV @ KORADI	25/09/2012	13.06		Continued.	Testing work.
220/33 KV 100 MVA ICT IV at Jamde	25/09/2012	13.25	25/09/2012	16.25	Tan delta and CTR maintenance.
Bus Coupler @ Ghodbandar	25/09/2012	16.00	25/09/2012	17.01	Gas Pressure low problem.
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 26.09.2012))

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 25/Sep/2012

Position as on 6.30 Hrs of 26/Sep/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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.
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.
New Koyna - Koyna Stage IV - II	24/09/2012	16.57	25/09/2012	08.18	Over Voltage.
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		Continued.	Auto reclose lock out.Tripped from Stg.IV end only.
New Koyna - Koyna Stage IV - II	26/09/2012	03.06		Continued.	Tripped on Over Voltage.D.T received.
Voltage Level : 220KV			Outage Type TRIPPED		
Khaparkheda-Kawlewada-I	22/09/2012	13.12		Continued.	Distance Protection Operated Z-I.
Abhijeet - Wardha ckt - II	25/09/2012	13.23	25/09/2012	16.38	Distance protection operated.
Voltage Level : 132KV			Outage Type TRIPPED		
Kalmeshwar-Saoner Ckt.II	25/09/2012	18.52		Continued.	Distance protection operated.
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa - Kalyan	25/09/2012	18.04	25/09/2012	18.11	Dist.protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 26/Sep/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	120
Unit 7	210	0
	620	120
Bhusawal		
Unit 2	210	130
Unit 3	210	120
Unit 4	500	
Unit 5	500	
	1420	250
Parli		
Unit 3	210	162
Unit 4	210	145
Unit 5	210	0
Unit 6	250	145
Unit 7	250	50
	1130	502
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	170
Unit 4	210	0
Unit 5	500	250
Unit 6	500	325
Unit 7	500	350
	2340	1395
Paras		
Unit 3	250	150
Unit 4	250	150
	500	300
Khaparkheda		
Unit 1	210	130
Unit 2	210	150
Unit 3	210	160
Unit 4	210	160
Unit 5	500	400
	1340	1000
Nasik		
Unit 3	210	180
Unit 4	210	160
Unit 5	210	140
	630	480
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	58
BHTGR/VEER	21	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	14
GHATGHAR	250	0
	611	156
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	375
Adani	660	
Other CPPs	0	
	1665	1198
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	5984
	3455	5984

	19060	7 of 7	15082
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