



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

State Load Dispatch Center, Airoli

Daily system Report

for

26/Sep/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 26/Sep/2013 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	93.474	2414.243	1) Gujrat	14.236	209.751
2) Hydro	7.504	363.176	2) Madhya Pradesh	19.640	487.885
3) Gas	11.102	268.332	3) Chattisgarh	9.320	254.040
Total MSGENCO	112.080	3045.751	4) Maharashtra	60.913	1670.069
B) 1) JSW JAIGAD	13.922	536.473	5) Goa	-5.099	-137.478
2) WPCL	7.818	192.713	6) TAPS 1&2 Injection	7.473	191.706
3) ADANI	24.760	663.030	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	13.963	315.553	8) Pench (Excess)	-0.915	-17.228
5) Wind Generation	8.451	272.839	# Total Cent. Sector	105.568	2658.745
6) PENCH (MS)	0.915	17.228	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-22.384	-516.164
1) TPCL Thermal	20.264	488.383	G) Bilateral Power *		
2) TPCL Hydro	2.844	119.980	1) MSEDCL Bilateral	1.490	342.022
TOTAL TPCL	23.108	608.363	Include PX	-8.960	17.209
3) REL Thermal	11.985	314.960	2) MUMBAI Bilateral	19.628	466.791
D) STATE			Include PX	4.951	118.714
1) Thermal (A1+C1+C3)	125.723	3217.586	3) MUMBAI Schedule	19.628	467.331
2) Hydro (A2+B5+C2)	11.263	500.384	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.102	268.332	1) MSEDCL	265.093	7186.168
4) Wind (B4)	8.451	272.839	2) TPCL	37.285	933.492
5) CPP (B1+B2+B3)	60.463	1069.499	3) REL	20.188	506.018
TOTAL STATE	217.002	5328.640	TOTAL STATE	322.566	8625.678

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3907	4004	3926
MSGENCO Hydro	667	742	100
MSGENCO Gas	429	510	435
MSGENCO Total Generation	5003	5256	4461
Central Sector Receipt	4886	4921	3247
WIND	338	385	320
CPP / IPP	2426	2387	2521
Exchange with Mumbai	-1250	-933	-545
MSEDCL DEMAND MET	11426	12040	10027
Load Shedding	60	317	57
MSEDCL DEMAND	11486	12357	10084
TPCL GENERATION	1109	1352	685
R-INFRA GENERATION	524	524	411
TPCL+R-INFRA DEMAND	2883	2809	1641
STATE DEMAND MET	14309	14849	11668
STATE DEMAND	14369	15166	11725
Frequency (Hz)	50.10	49.96	50.12

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.4 Hz at 08.02 Hrs	49.54 Hz at 18.50 Hrs	50.03	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/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	43.87	0	0	0
Unit 6	3.25	58.06	175	98	140
Unit 7	0.00	0.00	0	0	0
Total	3.25	101.92			140
Bhusawal					
Unit 2	1.37	52.70	130	0	140
Unit 3	2.87	87.31	135	90	140
Unit 4	5.97	178.40	275	180	387
Unit 5	4.90	137.73	215	185	0
Total	15.12	456.14			667
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.40	84.75	160	126	132
Unit 5	3.53	10.58	160	132	145
Unit 6	4.26	114.71	210	154	165
Unit 7	4.36	113.66	195	171	180
Total	15.56	323.69			622
Chandrapur					
Unit 1	2.35	65.56	121	72	120
Unit 2	2.18	70.87	111	57	100
Unit 3	2.60	74.67	146	67	120
Unit 4	2.76	95.79	178	40	120
Unit 5	0.00	0.00	0	0	0
Unit 6	8.17	189.08	410	265	400
Unit 7	6.99	196.91	355	223	300
Total	25.05	692.88			1160
Paras					
Unit 3	3.82	114.06	188	130	200
Unit 4	4.10	109.95	186	146	200
Total	7.93	224.01			400
Khaparkheda					
Unit 1	3.53	88.33	165	130	190
Unit 2	2.84	43.06	150	80	160
Unit 3	3.80	91.55	183	143	190
Unit 4	3.71	95.33	177	145	190
Unit 5	0.00	0.00	0	0	0
Total	13.88	318.27			730
Nasik					
Unit 3	4.26	92.76	190	165	180
Unit 4	4.15	96.97	183	155	180
Unit 5	4.29	107.59	192	168	190
Total	12.70	297.32			550
Uran					
All Units	11.10	268.33	530	389	440
Total	11.10	268.33			440
PENCH (MS)					
Pench (MS)	0.92	17.23	53	21	
Total	0.92	17.23			
Koyna					
Stage 1-2	2.19	99.60	285	35	530
Stage 4	0.26	141.20	188	0	250
Stage 3	0.91	55.88	160	0	240
Kovna 12&4 Total	2.45	240.80			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.37	296.69			1020
Hydro					
KDPH	0.00	4.70	0	0	0
VTRNA	0.60	6.31	61	0	61
TILLARI	0.45	6.56	60	0	60
BHTGR/VEER	0.06	2.58	3	2	4
BHIRA T.R.	0.24	10.10	41	0	40
RNGR+BHTSA	0.40	7.51	17	16	17
BHANDARDRA	0.32	6.90	14	13	28
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.68	9.58	29	28	0
GHATGHAR	1.39	12.26	250	0	0
Total	4.14	66.49			210
Wind					
MalharPeth	0.31	8.89			
Vankuswadi	0.59	15.17			
ATIT	0.10	2.85			
Kale	0.20	6.14			
Satara	3.71	68.71			
Shirala	0.21	5.46			
K Mahankal	0.05	1.95			
Supa	0.01	4.74			
Vita	1.95	31.00			
Dondaicha	0.14	82.32			
Sakri	0.05	12.24			
Nandurbar	0.01	7.48			
Khandke	0.80	14.70			
Khaparale	0.31	11.20			
Total	8.45	272.84			
CPP					
JSW JAIGAD	13.92	536.47	680	494	782
WARDHA	7.82	192.71	331	316	320
Adani	24.76	663.03	1230	840	1234
Other CPPs	13.96	315.55			400
Total	60.46	1707.77			2736
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.45	286.77	503	317	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.94	40.87	132	115	120
Trombay 7B	1.66	16.22	72	66	60
Trombay 8	5.21	144.53	250	182	250
TATA Hydro	2.84	119.98	401	0	447
Total	23.11	608.36			1377
REL					
1&2	11.98	314.96	525	407	500
Total	11.98	314.96			500
Cent Sect					
Share					4585
Total					4585

MS PG CL	Thermal	93.47	2414.24			4269
	Thml+Gas	104.58	2682.58			4709
	Hydro	7.50	363.18			1230
	Total	112.08	3045.75			5939
State Total		217.00	5328.64			15137

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 26/Sep/2013

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	3873	156	434	4463	340	2686	3804	3792	-554	-818	10516	85	10601	1945	12546	50.13
2	3856	130	435	4421	344	2367	3484	3812	-523	-694	10271	57	10328	1793	12121	49.96
3	3929	170	435	4534	354	2394	2975	3459	-470	-542	10220	57	10277	1682	11959	49.97
4	3926	100	435	4461	320	2521	2924	3247	-445	-545	10027	57	10084	1641	11725	50.12
5	3897	100	431	4428	299	2557	3159	3476	-447	-545	10239	56	10295	1641	11936	50.05
6	3934	105	433	4472	236	2658	3555	4031	-588	-559	10888	64	10952	1771	12723	49.98
7	4004	105	433	4542	267	2773	3677	4366	-708	-688	11310	107	11417	1897	13314	50.11
8	4060	155	432	4647	221	2745	3716	4680	-745	-816	11527	91	11618	2054	13672	50.18
9	4006	456	429	4891	226	2741	3845	4485	-847	-933	11460	91	11551	2297	13848	50.05
10	4054	669	432	5155	309	2662	4144	4655	-1056	-1151	11651	70	11721	2623	14344	50.01
11	3907	667	429	5003	338	2426	4328	4886	-1050	-1250	11426	60	11486	2883	14369	50.10
12	3715	911	420	5046	349	2426	4101	4495	-1032	-1222	11145	59	11204	2958	14162	49.96
13	3661	702	495	4858	335	2418	4104	4584	-1035	-1219	11029	124	11153	2951	14104	49.99
14	3704	269	389	4362	430	2374	4078	4805	-1027	-1252	10769	70	10839	2837	13676	50.11
15	3681	355	475	4511	451	2365	4139	4636	-1064	-1246	10770	86	10856	2870	13726	49.97
16	3758	182	530	4470	440	2363	4347	4889	-1072	-1239	10946	82	11028	2870	13898	50.08
17	3734	121	514	4369	430	2340	4313	4742	-1042	-1217	10686	69	10755	2852	13607	50.02
18	3858	140	504	4502	521	2294	4486	4602	-1018	-1188	10758	169	10927	2810	13737	50.03
19	3930	482	513	4925	457	2288	4577	5051	-909	-1032	11739	192	11931	2807	14738	49.90
20	4004	742	510	5256	385	2387	4556	4921	-890	-933	12040	317	12357	2809	15166	49.96
21	3940	435	498	4873	360	2546	4472	4830	-806	-832	11827	204	12031	2643	14674	49.95
22	4031	148	493	4672	386	2777	4457	4623	-814	-869	11639	116	11755	2471	14226	50.04
23	4027	102	502	4631	355	2695	4191	4322	-805	-872	11181	68	11249	2302	13551	50.01
24	3985	102	501	4588	298	2660	4001	4179	-682	-722	11029	68	11097	2070	13167	49.96
MUs	93.47	7.50	11.10	112.08	8.45	60.46	95.43	105.57	-19.63	-22.38	265.09	2.42	267.51	57.48	324.99	50.03

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/2013

Position as on 6.30 Hrs of 27/Sep/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Koyna Unit 11	80	04/06/2013	13.25		Continued.	Rotar Fault.	
Chandrapur Unit 5	500	14/07/2013	00.01		Continued.	Annual Overhaul	
Koradi Unit 7	210	09/08/2013	07.22		Continued.	Annual Overhaul	
Khaparkheda Unit 5	500	26/08/2013	21.37		Continued.	Annual Overhaul	
FORCED OUTAGE							
Dabhol 3B	230	28/05/2013	21.58		Continued.	Gas shortage.	
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 3X	290	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Tata Trombay 6	500	19/07/2013	23.54		Continued.	Economic shut down.	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
Cent_Sect TARAPUR-3	540	28/08/2013	09.08		Continued.	Reactor Problem.	
CPP JSW (J) U2	300	07/09/2013	00.01		Continued.	Withdrawn due to no schedule.	
CPP Adani U1	660	10/09/2013	07.30		Continued.	Boiler Tube Leakage	
CPP WPCL U-3	135	16/09/2013	21.19		Continued.	ESP Bag filter repl.	
Uran Unit 6	108	17/09/2013	19.17		Continued.	Gas Shortage	
Koradi Unit 5	200	22/09/2013	12.08	26/09/2013	22.25	High Furnace Pressure.	
Koyna Unit 3	75	25/09/2013	17.40	26/09/2013	16.10	Excitation Fault	
Bhusawal Unit 2	210	26/09/2013	11.16		Continued.	Bunkering problem	
Koyna ST-IV 2	250	26/09/2013	18.33	26/09/2013	23.30	Excitation Fault	
Koyna ST - IV 3	250	26/09/2013	19.40	26/09/2013	23.00	Spherical valve problem	
Koradi Unit 6	210	27/09/2013	00.20		Continued.	Air Heater Jam	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 26/Sep/2013

Position as on 6.30 Hrs of 27/Sep/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Warora - Tiroda - II	26/09/2013	10.20	26/09/2013	19.51	Bus Bar Testing
Dabhol - NewKoyna - II	26/09/2013	10.42	26/09/2013	18.44	Relay Work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	19/09/2013	16.47		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	22/09/2013	15.23		Continued.	Over Voltage.
Voltage Level : 500KV			Outage Type TRIPPED		
765KV Wardha-Senoi-II (PGCIL)	20/08/2013	20:30		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Parli - Solapur (PGCIL) - I	18/09/2013	17.01		Continued.	Over Voltage
Kolhapur-Solapur(PGCIL)-I	18/09/2013	17.01		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	20/09/2013	17.08		Continued.	Due to Heavy Rains,7 No's of Towers are Damaged.
Dabhol - NewKoyna - II	26/09/2013	01.59	26/09/2013	06.25	Over Voltage
Karad - Solapur (PGCIL)	26/09/2013	02.42	26/09/2013	06.43	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dabhol-Nagothane-II	18/09/2013	10.51		Continued.	Tree Cutting work, ready for charging 17.22Hrs
C'pur-Parli II	26/09/2013	14.05	26/09/2013	19.45	Testing of CVT
Dabhol - New Koyna - I	26/09/2013	18.50		Continued.	Chattering Noise at Loc.No.47
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132KV 150 MVA ICT 3 at Nasik OCR	23/09/2013	11.52	26/09/2013	13.07	Testing work.(3Days)
Vita - Lamboti	25/09/2013	07.52	26/09/2013	05.32	Erection of line cut point tower
Pusad-Nanded	26/09/2013	08.21	26/09/2013	14.34	Making Cutpoint arrangement on Inline Tower erected
Chinchwad - Bajaj	26/09/2013	08.47	26/09/2013	16.56	Repl.of Line Isolator
Babaleshwar - Ranjangaon	26/09/2013	09.19	26/09/2013	18.08	Repl.of PID Insulators
Phursungi - Jejuri	26/09/2013	09.31	26/09/2013	17.43	Q.M.work
220/132 KV 150 MVA T/F - 7 at Chinchwad	26/09/2013	09.35	26/09/2013	20.14	Repl. of LV side CT
Hingoli-Pusad	26/09/2013	10.00	26/09/2013	14.30	Making Cutpoint arrangement on Inline Tower erected
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
Deepnagar-Aurangabad-I	07/09/2013	22.56		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	25/09/2013	23.50	26/09/2013	08.22	Over Voltage
Warora - Wardha (PG) - II	26/09/2013	10.52	26/09/2013	19.45	To faciliate the Bus Bar comm.of Warora-Tiroda-II
Karad-New Koyna II	26/09/2013	23.50		Continued.	Over Voltage
Lonikand- Koyna Stage IV	27/09/2013	00.28		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	24/07/2013	19.26		Continued.	To Avoid Overloading by Taking Line

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 26/Sep/2013

Position as on 6.30 Hrs of 27/Sep/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					in Grid,Handtripped @ Chikhali End Only.
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Parli - II	21/09/2013	15.18		Continued.	Over Voltage.
Koradi - New Koradi	22/09/2013	06.04		Continued.	Over Voltage.
Karad-Jaigad I	25/09/2013	23.00	26/09/2013	08.47	Over Voltage
Karad - Kolhapur - II	25/09/2013	23.00	26/09/2013	09.51	Over Voltage
Dabhol - Nagothane - I	26/09/2013	01.59	26/09/2013	07.11	Over Voltage
Karad - Kolhapur - I	26/09/2013	19.35		Continued.	Distance Protection
Karad - Kolhapur - II	26/09/2013	22.03	26/09/2013	23.10	Over Voltage
Karad-Jaigad I	26/09/2013	23.24		Continued.	Over Voltage
Karad-Kolhapur-II	26/09/2013	23.43	27/09/2013	06.00	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
Nasik-Padgha	26/09/2013	12.02	26/09/2013	12.10	A/R operated
220/132KV 150 MVA ICT 3 at Nasik OCR	26/09/2013	19.00		Continued.	REF Protection
Miraj -Ichalkarajni	26/09/2013	22.00		Continued.	Over Load

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 27/Sep/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	120
Unit 6	210	0
Unit 7	210	0
	620	120
Bhusawal		
Unit 2	210	0
Unit 3	210	140
Unit 4	500	242
Unit 5	500	
	1420	382
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	160
Unit 6	250	220
Unit 7	250	220
	1130	750
Chandrapur		
Unit 1	210	120
Unit 2	210	120
Unit 3	210	110
Unit 4	210	120
Unit 5	500	0
Unit 6	500	350
Unit 7	500	350
	2340	1170
Paras		
Unit 3	250	180
Unit 4	250	190
	500	370
Khaparkheda		
Unit 1	210	180
Unit 2	210	160
Unit 3	210	190
Unit 4	210	190
Unit 5	500	0
	1340	720
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	515
	852	515
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	0
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	3
BHIRA T.R.	80	40
RNGR+BHTSA	20	18
BHANDARDRA	45	14
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	195
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	1200	782
WARDHA	405	320
Adani	1320	1234
Other CPPs	300	406
	3225	2742
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4314
	3455	4314