



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

**State Load Dispatch Center,
Airoli**

Daily system Report

for

27/Sep/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/Sep/2013 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	95.665	2509.908	1) Gujrat	9.778	219.529
2) Hydro	4.359	367.535	2) Madhya Pradesh	20.455	508.340
3) Gas	12.258	280.590	3) Chattisgarh	9.570	263.610
Total MSGENCO	112.282	3158.033	4) Maharashtra	55.581	1725.650
B) 1) JSW JAIGAD	17.059	553.532	5) Goa	-4.983	-142.461
2) WPCL	7.829	200.542	6) TAPS 1&2 Injection	7.430	199.136
3) ADANI	29.060	692.090	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	13.829	329.382	8) Pench (Excess)	-1.145	-18.373
5) Wind Generation	7.502	280.341	# Total Cent. Sector	96.686	2755.431
6) PENCH (MS)	1.145	18.373	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-22.106	-538.270
1) TPCL Thermal	20.232	508.615	G) Bilateral Power *		
2) TPCL Hydro	2.186	122.166	1) MSEDCL Bilateral	6.367	348.389
TOTAL TPCL	22.418	630.781	Include PX	-5.892	11.317
3) REL Thermal	12.091	327.051	2) MUMBAI Bilateral	20.640	487.430
D) STATE			Include PX	5.650	124.364
1) Thermal (A1+C1+C3)	127.988	3345.574	3) MUMBAI Schedule	20.640	487.970
2) Hydro (A2+B5+C2)	7.690	508.074	H) ENERGY CATERED (MUs)		
3) Gas (A3)	12.258	280.590	1) MSEDCL	263.286	7449.454
4) Wind (B4)	7.502	280.341	2) TPCL	36.701	970.193
5) CPP (B1+B2+B3)	67.777	1112.516	3) REL	19.911	525.929
TOTAL STATE	223.215	5527.095	TOTAL STATE	319.898	8945.576

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3904	4141	3900
MSGENCO Hydro	358	470	99
MSGENCO Gas	510	506	513
MSGENCO Total Generation	4772	5117	4512
Central Sector Receipt	4572	4242	3172
WIND	225	561	263
CPP / IPP	2937	2828	2684
Exchange with Mumbai	-1295	-938	-445
MSEDCL DEMAND MET	11264	11860	10236
Load Shedding	102	66	53
MSEDCL DEMAND	11366	11926	10289
TPCL GENERATION	1063	1287	722
R-INFRA GENERATION	519	522	490
TPCL+R-INFRA DEMAND	2877	2747	1657
STATE DEMAND MET	14141	14607	11893
STATE DEMAND	14243	14673	11946
Frequency (Hz)	50.00	49.96	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.26 Hz at 17.01 Hrs	49.42 Hz at 18.20 Hrs	49.98	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 27/Sep/2013

Generating unit	Generation				OLC (MW)	Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)			Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi						Total	1.97	298.65			1090
Unit 5	2.83	46.70	142	72	120	Hydro					
Unit 6	0.04	58.09	37	0	0	KDPH	0.00	4.70	0	0	0
Unit 7	0.00	0.00	0	0	0	VTRNA	0.00	6.31	0	0	60
Total	2.86	104.79			120	TILLARI	0.23	6.79	59	0	60
Bhusawal						BHTGR/VEER	0.00	2.58	0	0	3
Unit 2	1.43	54.14	145	0	0	BHIRA T.R.	0.23	10.33	41	0	40
Unit 3	3.09	90.40	145	110	140	RNGR+BHTSA	0.40	7.91	17	16	18
Unit 4	5.72	184.12	270	145	242	BHANDARDRA	0.63	7.52	34	14	14
Unit 5	4.78	142.51	235	155		ELDARY	0.00	0.00	0	0	0
Total	15.02	471.16			382	SMLHY_PTN	0.67	10.25	28	27	0
Parli						GHATGHAR	0.23	12.49	125	0	0
Unit 3	0.00	0.00	0	0	0	Total	2.39	68.88			195
Unit 4	3.47	88.21	172	126	150	Wind					
Unit 5	3.48	14.06	163	132	160	MalharPeth	0.27	9.17			
Unit 6	4.39	119.10	192	154	220	Vankuswadi	0.52	15.70			
Unit 7	4.33	117.99	202	161	220	ATIT	0.08	2.93			
Total	15.66	339.36			750	Kale	0.17	6.30			
Chandrapur						Satara	2.67	71.38			
Unit 1	2.69	68.25	125	75	120	Shirala	0.16	5.62			
Unit 2	2.71	73.57	130	81	120	K Mahankal	0.06	2.00			
Unit 3	2.44	77.11	137	54	110	Supa	0.10	4.84			
Unit 4	2.51	98.30	140	70	120	Vita	1.85	32.86			
Unit 5	0.00	0.00	0	0	0	Dondaicha	0.74	83.06			
Unit 6	7.62	196.70	365	260	350	Sakri	0.14	12.38			
Unit 7	7.28	204.20	348	263	350	Nandurbar	0.05	7.52			
Total	25.25	718.13			1170	Khandke	0.46	15.16			
Paras						Khaparale	0.22	11.41			
Unit 3	4.25	118.31	223	156	180	Total	7.50	280.34			
Unit 4	4.57	114.52	229	176	190	CPP					
Total	8.82	232.83			370	JSW_JAIGAD	17.06	553.53	781	506	782
Khaparkheda						WARDHA	7.83	200.54	332	314	320
Unit 1	3.84	92.17	180	130	180	Adani	29.06	692.09	1230	1150	1234
Unit 2	3.48	46.54	170	105	160	Other_CPPs	13.83	329.38			406
Unit 3	4.19	95.73	190	158	190	Total	67.78	1775.55			2742
Unit 4	4.06	99.39	190	152	190	Tata					
Unit 5	0.00	0.00	0	0	0	Trombay 4	0.00	0.00	0	0	0
Total	15.56	333.83			720	Trombay 5	10.32	297.08	503	317	500
Nasik						Trombay 6	0.00	0.00	0	0	0
Unit 3	4.21	96.97	195	165	190	Trombay 7A	3.10	43.97	132	125	120
Unit 4	4.13	101.10	192	164	190	Trombay 7B	1.70	17.92	72	70	60
Unit 5	4.15	111.74	191	162	190	Trombay 8	5.11	149.64	250	185	250
Total	12.49	309.81			570	TATA Hydro	2.19	122.17	351	0	447
Uran						Total	22.42	630.78			1377
All Units	12.26	280.59	520	495	515	REL					
Total	12.26	280.59			515	1&2	12.09	327.05	524	408	500
PENCH (MS)						Total	12.09	327.05			500
Pench (MS)	1.14	18.37	53	21		Cent Sect					
Total	1.14	18.37				Share					4314
Koyna						Total					4314
Stage 1-2	1.33	100.94	170	30	600	MS PG CL					
Stage 4	0.16	141.36	156	0	250	Thermal	95.66	2509.91			4082
Stage 3	0.48	56.36	158	0	240	Thml+Gas	107.92	2790.50			4597
Koyna 12&4 Total	1.49	242.29			850	Hydro	4.36	367.54			1285
						Total	112.28	3158.03			5882
						State Total	223.22	5527.10			14815

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 27/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 SHEDDING	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	3888	122	512	4522	327	2508	3401	4003	-710	-747	10663	84	10747	1921	12668	49.93
2	3863	135	513	4511	273	2610	3209	3511	-535	-602	10353	53	10406	1748	12154	49.97
3	3900	99	513	4512	263	2684	3053	3172	-490	-445	10236	53	10289	1657	11946	50.00
4	3854	109	513	4476	247	2675	3029	3323	-466	-378	10393	53	10446	1606	12052	50.02
5	3883	109	515	4507	252	2715	3136	3581	-497	-359	10746	53	10799	1603	12402	49.93
6	3889	99	516	4504	236	2729	3471	3975	-594	-408	11086	135	11221	1705	12926	49.88
7	3870	108	515	4493	233	2753	3695	4228	-698	-623	11134	292	11426	1864	13290	50.03
8	3856	158	515	4529	233	2872	3764	4213	-763	-706	11164	298	11462	2030	13492	49.93
9	3878	222	517	4617	279	2966	3880	4297	-874	-881	11328	244	11572	2325	13897	49.92
10	3913	350	514	4777	276	2966	4111	4383	-1107	-1185	11267	169	11436	2650	14086	50.07
11	3904	358	510	4772	225	2937	4071	4572	-1081	-1295	11264	102	11366	2877	14243	50.00
12	3950	429	510	4889	199	2960	4122	4245	-1119	-1273	11073	126	11199	2951	14150	49.97
13	3944	269	510	4723	194	2969	4102	4147	-1119	-1261	10825	220	11045	2944	13989	49.98
14	4062	119	507	4688	196	2908	4081	3956	-1096	-1216	10585	174	10759	2827	13586	50.09
15	4163	99	507	4769	225	2908	4101	4046	-1116	-1278	10722	111	10833	2837	13670	50.02
16	4124	105	500	4729	278	2895	4096	4168	-1111	-1225	10896	60	10956	2770	13726	50.02
17	3992	117	504	4613	279	2863	3989	4170	-1095	-1273	10705	60	10765	2750	13515	49.99
18	4063	117	506	4686	561	2771	3811	3708	-1040	-1232	10546	66	10612	2747	13359	49.95
19	4067	248	505	4820	575	2790	4219	4341	-943	-1060	11519	65	11584	2739	14323	49.78
20	4141	470	506	5117	561	2828	4245	4242	-915	-938	11860	66	11926	2747	14673	49.96
21	4138	163	515	4816	493	2903	4208	4419	-856	-926	11758	59	11817	2604	14421	49.99
22	4304	118	495	4917	406	2897	4142	3963	-842	-911	11296	59	11355	2431	13786	50.06
23	4083	118	520	4721	353	2830	4040	4159	-831	-958	11126	58	11184	2233	13417	49.97
24	3936	118	520	4574	338	2840	4030	3860	-742	-926	10737	58	10795	2049	12844	50.00
MUs	95.66	4.36	12.26	112.28	7.50	67.78	92.01	96.68	-20.64	-22.11	263.28	2.72	266.00	56.62	322.62	49.98

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 27/Sep/2013

Position as on 6.30 Hrs of 28/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	
Cent_Sect TARAPUR-4	540	07/09/2013	01.17		Continued.	Maintenance Work.	
Koyna Unit 2	75	27/09/2013	06.40	27/09/2013	19.20	Bus Section Outage.	
Koyna Unit 3	75	27/09/2013	06.50	27/09/2013	19.15	Bus Section Outage.	
Koyna Unit 4	75	27/09/2013	06.55	27/09/2013	19.00	Bus Section Outage.	
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	
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.	
Bhusawal Unit 2	210	26/09/2013	11.16	27/09/2013	12.27	Bunkering problem	
Koradi Unit 6	210	27/09/2013	00.20		Continued.	Air Heater Jam	
Koyna Unit 1	75	27/09/2013	06.30	27/09/2013	19.30	Bus Section Outage.	
Bhusawal Unit 4	500	28/09/2013	00.25		Continued.	Ash Handling Problem	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 27/Sep/2013

Position as on 6.30 Hrs of 28/Sep/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
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.
Karad - Solapur (PGCIL)	28/09/2013	03.26		Continued.	Over Voltage.
Padgha-Bhoisor (PGCIL)	28/09/2013	03.34	28/09/2013	04.38	Over Voltage.
Padgha-Tarapur - II	28/09/2013	04.14	28/09/2013	04.35	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
Dabhol - New Koyna - I	26/09/2013	18.50		Continued.	Chattering Noise at Loc.No.47
Bblswr - Padgha - II	27/09/2013	10.04	27/09/2013	16.40	Auto to Non Auto (Not Taken in DSR)on Line Pid Testing.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Pophali - KDPH	27/09/2013	06.35	27/09/2013	19.25	Bus Section - I Maint. Work.
Pophali - Pedambe - I	27/09/2013	06.45	27/09/2013	18.50	Bus Section - I Maint. Work.
Pophali - Kandalgaon	27/09/2013	06.52	27/09/2013	21.05	Bus Section - I Maint. Work.
Main Bus Section - I @ Pophali	27/09/2013	07.05	27/09/2013	18.55	Bus Section - I Maint. Work.
Ghatghar-Nasik	27/09/2013	09.40	27/09/2013	17.20	Jumper Replacement Work, Loc. No.-45.
Ghatghar-Bapgaon	27/09/2013	09.48	27/09/2013	16.50	Jumper Replacement Work, Loc. No.-45.
Padgha-Jambhul-I	27/09/2013	10.04	27/09/2013	19.15	Relay Testing Work.
Apta - Taloja	27/09/2013	10.25	27/09/2013	17.45	Attending Hot Spot Work.
Babaleshwar - Nagar - I	27/09/2013	12.05	27/09/2013	18.21	Replacement of Insulator.
220/100KV 200 MVA ICT-III @ Padgha	27/09/2013	15.53	27/09/2013	17.28	Isolator Jumper Replacement @ LV Side.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Padgha-Jambhul II	27/09/2013	19.51	27/09/2013	20.21	To Attend Hot Spot @ Line side Isolator Plam.
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.
Karad-New Koyna II	26/09/2013	23.50		Continued.	Over Voltage
Lonikand- Koyna Stage IV	27/09/2013	00.28	27/09/2013	07.40	Over Voltage
Khadka - Deepnagar - I	27/09/2013	12.15		Continued.	Over Voltage.(Ready for Charging from 00.51 dt 28.9.13)
Lonikand- Koyna Stage IV	28/09/2013	00.00		Continued.	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 27/Sep/2013

Position as on 6.30 Hrs of 28/Sep/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 220KV					Outage Type HAND TRIPPED
Chikhali - Jalna - II	24/07/2013	19.26		Continued.	To Avoid Overloading by Taking Line 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 - Kolhapur - I	26/09/2013	19.35	27/09/2013	07.48	Distance Protection
Karad-Jaigad I	26/09/2013	23.24	27/09/2013	09.19	Over Voltage
Karad-Kolhapur-II	26/09/2013	23.43	27/09/2013	06.00	Over Voltage
Karad-Jaigad I	27/09/2013	21.56		Continued.	Over Voltage.
Karad - Kolhapur - I	27/09/2013	23.25	27/09/2013	23.32	Over Voltage.
Karad - Kolhapur - II	27/09/2013	23.28		Continued.	Over Voltage.
Kolhapur-Karad -I	28/09/2013	03.26	28/09/2013	07.01	Over Voltage.
Padgha - Kharghar	28/09/2013	04.14		Continued.	Over Voltage.
Voltage Level : 220KV					Outage Type TRIPPED
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
220/132KV 150 MVA ICT 3 at Nasik OCR	26/09/2013	19.00	27/09/2013	14.11	REF Protection
Miraj -Ichalkarajni	26/09/2013	22.00		Continued.	Over Load

State Load Dispatch Center, Airoli (MSETCL)

Details of On Line Capacity for 28/Sep/2013

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi			TILLARI	60	60
Unit 5	200	125	BHTGR/VEER	21	
Unit 6	210	0	BHIRA T.R.	80	40
Unit 7	210	0	RNGR+BHTSA	20	15
	620	125	BHANDARDRA	45	20
Bhusawal			ELDARY	23	
Unit 2	210	140	SMLHY_PTN	12	
Unit 3	210	140	GHATGHAR	250	
Unit 4	500	0		611	195
Unit 5	500		Wind		
	1420	280	MalharPeth	0	
Parli			Vankuswadi	0	
Unit 3	210	0	ATIT	0	
Unit 4	210	150	Kale	0	
Unit 5	210	155	Satara	0	
Unit 6	250	185	Shirala	0	
Unit 7	250	190	K Mahankal	0	
	1130	680	Supa	0	
Chandrapur			Vita	0	
Unit 1	210	100	Dondaicha	0	
Unit 2	210	100	Sakri	0	
Unit 3	210	120	Nandurbar	0	
Unit 4	210	140	Khandke	0	
Unit 5	500	0	Khaparale	0	
Unit 6	500	300		0	
Unit 7	500	350	CPP		
	2340	1110	JSW_JAIGAD	1200	782
Paras			WARDHA	405	330
Unit 3	250	190	Adani	1320	1234
Unit 4	250	180	Other_CPPs	300	400
	500	370		3225	2746
Khaparkheda			Tata		
Unit 1	210	180	Trombay 4	150	0
Unit 2	210	160	Trombay 5	500	500
Unit 3	210	190	Trombay 6	500	0
Unit 4	210	190	Trombay 7A	120	120
Unit 5	500	0	Trombay 7B	60	60
	1340	720	Trombay 8	250	250
Nasik			TATA Hydro	444	447
Unit 3	210	190		2024	1377
Unit 4	210	190	REL		
Unit 5	210	190	1&2	500	500
	630	570		500	500
Uran			Cent Sect		
All Units	852	515	Share	3455	4307
	852	515		3455	4307
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				
VTRNA	60	60			