



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

State Load Dispatch Center, Airoli

Daily system Report

for

25/Sep/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 25/Sep/2013 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	97.573	2320.769	1) Gujrat	9.652	195.515
2) Hydro	7.361	355.672	2) Madhya Pradesh	18.600	468.245
3) Gas	10.442	257.230	3) Chattisgarh	9.090	244.720
Total MSGENCO	115.376	2933.671	4) Maharashtra	52.360	1609.156
B) 1) JSW JAIGAD	20.219	522.551	5) Goa	-4.838	-132.379
2) WPCL	7.612	184.895	6) TAPS 1&2 Injection	7.496	184.233
3) ADANI	25.390	638.270	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	13.286	301.590	8) Pench (Excess)	-1.046	-16.313
5) Wind Generation	11.323	264.388	# Total Cent. Sector	91.314	2553.177
6) PENCH (MS)	1.046	16.313	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-22.859	-493.780
1) TPCL Thermal	19.792	468.119	G) Bilateral Power *		
2) TPCL Hydro	2.311	117.136	1) MSEDCL Bilateral	-4.898	340.532
TOTAL TPCL	22.103	585.255	Include PX	-14.654	26.169
3) REL Thermal	11.719	302.975	2) MUMBAI Bilateral	18.607	447.162
D) STATE			Include PX	4.761	113.763
1) Thermal (A1+C1+C3)	129.084	3091.863	3) MUMBAI Schedule	18.607	447.702
2) Hydro (A2+B5+C2)	10.718	489.121	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.442	257.230	1) MSEDCL	262.707	6921.075
4) Wind (B4)	11.323	264.388	2) TPCL	36.756	896.207
5) CPP (B1+B2+B3)	66.507	1034.426	3) REL	19.921	485.830
TOTAL STATE	228.074	5137.028	TOTAL STATE	319.384	8303.112

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	4177	4032	4039
MSGENCO Hydro	369	903	186
MSGENCO Gas	431	386	453
MSGENCO Total Generation	4977	5321	4678
Central Sector Receipt	4253	4238	2459
WIND	519	435	485
CPP / IPP	2681	2665	2804
Exchange with Mumbai	-1205	-915	-501
MSEDCL DEMAND MET	11278	11797	9946
Load Shedding	54	405	55
MSEDCL DEMAND	11332	12202	10001
TPCL GENERATION	1107	1328	685
R-INFRA GENERATION	522	522	408
TPCL+R-INFRA DEMAND	2834	2765	1594
STATE DEMAND MET	14112	14562	11540
STATE DEMAND	14166	14967	11595
Frequency (Hz)	50.18	49.98	50.17

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.36 Hz at 10.01 Hrs	49.54 Hz at 20.16 Hrs	50.05	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/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	0.22	54.80	122	0	0
Unit 7	0.00	0.00	0	0	0
Total	0.22	98.67			0
Bhusawal					
Unit 2	3.30	51.33	150	110	140
Unit 3	3.31	84.44	150	130	140
Unit 4	7.37	172.43	370	245	387
Unit 5	5.52	132.82	260	210	0
Total	19.49	441.03			667
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.13	81.34	143	120	140
Unit 5	3.36	7.05	158	126	140
Unit 6	4.16	110.45	201	121	180
Unit 7	4.46	109.30	215	137	165
Total	15.12	308.14			625
Chandrapur					
Unit 1	2.80	63.21	126	90	120
Unit 2	3.06	68.69	145	106	130
Unit 3	3.75	72.06	188	130	170
Unit 4	4.02	93.03	198	140	190
Unit 5	0.00	0.00	0	0	0
Unit 6	7.42	180.91	355	265	300
Unit 7	6.15	189.92	288	234	300
Total	27.20	667.83			1210
Paras					
Unit 3	3.99	110.24	199	135	180
Unit 4	4.24	105.85	192	145	180
Total	8.23	216.09			360
Khaparkheda					
Unit 1	3.52	84.80	175	125	190
Unit 2	3.64	40.22	185	105	160
Unit 3	3.83	87.75	172	133	190
Unit 4	3.94	91.62	196	147	190
Unit 5	0.00	0.00	0	0	0
Total	14.93	304.39			730
Nasik					
Unit 3	4.14	88.50	190	150	190
Unit 4	4.07	92.82	180	160	180
Unit 5	4.18	103.31	188	162	190
Total	12.38	284.63			560
Uran					
All Units	10.44	257.23	456	386	440
Total	10.44	257.23			440
PENCH (MS)					
Pench (MS)	1.05	16.31	53	21	
Total	1.05	16.31			
Koyna					
Stage 1-2	1.75	97.42	250	40	600
Stage 4	0.91	140.94	349	0	250
Stage 3	0.56	54.97	160	0	240
Kovna 12&4 Total	2.66	238.35			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.22	293.32			1090
Hydro					
KDPH	0.00	4.70	0	0	0
VTRNA	1.21	5.70	61	0	61
TILLARI	0.24	6.11	60	0	60
BHTGR/VEER	0.07	2.52	3	2	5
BHIRA T.R.	0.21	9.86	41	0	40
RNGR+BHTSA	0.40	7.11	17	16	15
BHANDARDRA	0.69	6.58	29	28	15
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.68	8.90	29	28	0
GHATGHAR	0.65	10.87	215	0	0
Total	4.14	62.35			196
Wind					
MalharPeth	0.40	8.58			
Vankuswadi	0.71	14.58			
ATIT	0.14	2.75			
Kale	0.24	5.93			
Satara	5.32	65.00			
Shirala	0.31	5.25			
K Mahankal	0.05	1.89			
Supa	0.17	4.73			
Vita	2.22	29.06			
Dondaicha	0.28	82.18			
Sakri	0.18	12.19			
Nandurbar	0.00	7.47			
Khandke	0.80	13.89			
Khaparale	0.49	10.88			
Total	11.32	264.39			
CPP					
JSW JAIGAD	20.22	522.55	871	767	782
WARDHA	7.61	184.90	329	311	320
Adani	25.39	638.27	1220	850	1234
Other CPPs	13.29	301.59			400
Total	66.51	1647.31			2736
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.27	276.32	504	317	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.77	37.93	116	115	120
Trombay 7B	1.51	14.56	67	0	60
Trombay 8	5.24	139.32	252	185	250
TATA Hydro	2.31	117.14	402	0	447
Total	22.10	585.26			1377
REL					
1&2	11.72	302.98	523	396	500
Total	11.72	302.98			500
Cent Sect					
Share					3836
Total					3836

MS PG CL	Thermal	97.57	2320.77			4152
	Thml+Gas	108.02	2578.00			4592
	Hydro	7.36	355.67			1286
	Total	115.38	2933.67			5878
State Total		228.07	5137.03			14327

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 25/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	4179	181	451	4811	482	2737	3060	3260	-525	-776	10561	83	10644	1881	12525	50.11
2	4073	231	452	4756	490	2670	2702	3203	-519	-656	10503	55	10558	1719	12277	49.97
3	4032	191	453	4676	536	2809	2435	2726	-496	-557	10211	55	10266	1652	11918	50.06
4	4039	186	453	4678	485	2804	2412	2459	-473	-501	9946	55	10001	1594	11595	50.17
5	4093	182	454	4729	448	2903	2508	2431	-467	-508	10026	54	10080	1604	11684	50.11
6	4077	178	453	4708	449	2928	3054	2769	-601	-611	10286	54	10340	1704	12044	49.96
7	4154	226	452	4832	470	2960	3189	3606	-662	-760	11155	54	11209	1854	13063	50.04
8	4144	263	455	4862	476	2969	3191	3872	-666	-863	11369	54	11423	2008	13431	50.07
9	4099	344	453	4896	480	2942	3335	4047	-712	-1038	11380	54	11434	2304	13738	50.10
10	4205	573	456	5234	521	2803	3603	4135	-948	-1252	11493	54	11547	2615	14162	50.09
11	4177	369	431	4977	519	2681	3637	4253	-1001	-1205	11278	54	11332	2834	14166	50.18
12	4131	381	414	4926	506	2647	3537	4198	-1000	-1263	11065	57	11122	2919	14041	50.07
13	4141	322	411	4874	492	2764	3537	3973	-986	-1266	10889	112	11001	2913	13914	50.04
14	4039	137	432	4608	536	2571	3279	4237	-880	-1300	10704	60	10764	2822	13586	50.20
15	3963	166	432	4561	555	2628	3585	4213	-917	-1319	10689	58	10747	2852	13599	50.00
16	3985	116	412	4513	513	2655	3900	4440	-929	-1268	10904	58	10962	2844	13806	50.18
17	3989	185	410	4584	565	2644	3888	4142	-929	-1248	10738	58	10796	2817	13613	50.10
18	3971	217	439	4627	515	2576	4103	4158	-923	-1215	10714	163	10877	2768	13645	50.01
19	3958	781	398	5137	463	2528	3954	4613	-855	-962	11832	212	12044	2771	14815	49.88
20	4032	903	386	5321	435	2665	4006	4238	-896	-915	11797	405	12202	2765	14967	49.98
21	4067	491	415	4973	358	2750	3930	4291	-821	-845	11567	271	11838	2615	14453	49.91
22	4106	347	443	4896	337	2966	3933	4239	-830	-866	11595	126	11721	2432	14153	49.94
23	4022	213	444	4679	335	2955	3727	4134	-831	-862	11264	82	11346	2280	13626	49.96
24	3897	178	443	4518	357	2952	3638	3677	-743	-803	10741	80	10821	2114	12935	50.06
MUs	97.57	7.36	10.44	115.38	11.32	66.51	82.14	91.31	-18.61	-22.86	262.71	2.37	265.08	56.68	321.76	50.05

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/2013

Position as on 6.30 Hrs of 26/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		Continued.	High Furnace Pressure.	
Koradi Unit 6	210	24/09/2013	20.33	25/09/2013	21.45	ID Fan Problem	
Tata Trombay 7B	60	24/09/2013	21.49	25/09/2013	01.05	Boiler Feed Pump Trip	
Koyna Unit 3	75	25/09/2013	17.40		Continued.	Excitation Fault	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Sep/2013

Position as on 6.30 Hrs of 26/Sep/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Wardha (PG) - Warora - I	25/09/2013	10.20	25/09/2013	19.53	Outage on Warora-Tiroda-I
Padgha-Tarapur - II	25/09/2013	11.36	25/09/2013	14.47	Outage at Tarapur for CB Gas Pressure Boostup
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 : 220KV			Outage Type HAND TRIPPED		
Nasik-Navsari-I	21/09/2013	17.23	25/09/2013	09.28	To Control Bus Section Breaker Load.
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)	25/09/2013	04.02	25/09/2013	07.23	Over Voltage
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
Karad-Jaigad II	25/09/2013	09.10	25/09/2013	18.35	Repair sleeve over damaged conductor
Warora-Tiroda-I	25/09/2013	09.58	25/09/2013	20.11	Bus Bar testing
Akola - Indiabull (Nandgaonpeth)	25/09/2013	10.13	25/09/2013	17.16	Q.M.Work
Khadka - Deepnagar - II	25/09/2013	11.05	25/09/2013	18.25	Wiring of 400KV TBC
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132KV 150 MVA ICT 3 at Nasik OCR	23/09/2013	11.52		Continued.	Testing work.(3Days)
Vita - Lamboti	25/09/2013	07.52	26/09/2013	05.32	Erection of line cut point tower
Uran -Apta-III	25/09/2013	08.29	25/09/2013	20.14	Replacement of Line Isolator
BBLSR-Waluj	25/09/2013	09.25	25/09/2013	16.59	Tightening of safety pin of Insulator strings
Vita - Pandharpur	25/09/2013	10.00	25/09/2013	20.16	Repl.of R Phase center Isolator structure
Karad-Kadegaon	25/09/2013	10.25	25/09/2013	18.35	Repl.Damaged conductor
Nivali-Pawas	25/09/2013	12.21	25/09/2013	14.21	Red Hot
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Nasik-Padgha	25/09/2013	20.34	25/09/2013	23.35	Hot Spot
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.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 25/Sep/2013

Position as on 6.30 Hrs of 26/Sep/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Newkoyna - I	18/09/2013	01.54	25/09/2013	11.10	Over Voltage
Karad - Kolhapur - I	24/09/2013	21.52	25/09/2013	07.03	Over Voltage
Lonikand- Koyna Stage IV	24/09/2013	23.20	25/09/2013	07.55	Over Voltage
Lonikand- Koyna Stage IV	25/09/2013	23.50		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 in Grid,Handtripped @ Chikhali End Only.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol - New Koyna - I	07/09/2013	01.24		Continued.	Over Voltage.
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	24/09/2013	21.49	25/09/2013	08.48	Over Voltage
Karad-Kolhapur-II	25/09/2013	00.02	25/09/2013	10.20	Over Voltage
Padgha - Nagothane - I	25/09/2013	03.29	25/09/2013	08.41	Over Voltage
Karad-Jaigad I	25/09/2013	23.00		Continued.	Over Voltage
Karad - Kolhapur - II	25/09/2013	23.00		Continued.	Over Voltage
Dabhol - Nagothane - I	26/09/2013	01.59	26/09/2013	07.11	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 26/Sep/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	0
	620	140
Bhusawal		
Unit 2	210	140
Unit 3	210	140
Unit 4	500	387
Unit 5	500	0
	1420	667
Parli		
Unit 3	210	0
Unit 4	210	132
Unit 5	210	145
Unit 6	250	165
Unit 7	250	180
	1130	622
Chandrapur		
Unit 1	210	120
Unit 2	210	100
Unit 3	210	120
Unit 4	210	120
Unit 5	500	0
Unit 6	500	400
Unit 7	500	300
	2340	1160
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	190
Unit 2	210	160
Unit 3	210	190
Unit 4	210	190
Unit 5	500	0
	1340	730
Nasik		
Unit 3	210	180
Unit 4	210	180
Unit 5	210	190
	630	550
Uran		
All Units	852	440
	852	440
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	240
	1920	1020
Hydro		
KDPH	40	0
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	4
BHIRA T.R.	80	40
RNGR+BHTSA	20	17
BHANDARDRA	45	28
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	210
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	400
	3225	2736
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	4585
	3455	4585