



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

State Load Dispatch Center, Airoli

Daily system Report

for

24/Sep/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 24/Sep/2013 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	101.091	2223.196	1) Gujrat	3.256	185.863
2) Hydro	6.478	348.311	2) Madhya Pradesh	15.562	449.645
3) Gas	10.673	246.788	3) Chattisgarh	8.840	235.630
Total MSGENCO	118.242	2818.295	4) Maharashtra	50.407	1556.796
B) 1) JSW JAIGAD	19.578	502.332	5) Goa	-4.665	-127.541
2) WPCL	7.493	177.283	6) TAPS 1&2 Injection	7.518	176.737
3) ADANI	26.130	612.880	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	12.127	288.304	8) Pench (Excess)	-0.839	-15.267
5) Wind Generation	19.198	253.065	# Total Cent. Sector	80.079	2461.863
6) PENCH (MS)	0.839	15.267	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-22.859	-470.921
1) TPCL Thermal	19.201	448.327	G) Bilateral Power *		
2) TPCL Hydro	2.648	114.825	1) MSEDCL Bilateral	-0.608	345.430
TOTAL TPCL	21.849	563.152	Include PX	-11.682	40.823
3) REL Thermal	11.926	291.256	2) MUMBAI Bilateral	19.362	428.555
D) STATE			Include PX	5.413	109.002
1) Thermal (A1+C1+C3)	132.218	2962.779	3) MUMBAI Schedule	19.362	429.095
2) Hydro (A2+B5+C2)	9.965	478.403	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.673	246.788	1) MSEDCL	260.827	6658.368
4) Wind (B4)	19.198	253.065	2) TPCL	36.749	859.451
5) CPP (B1+B2+B3)	65.328	994.049	3) REL	19.904	465.909
TOTAL STATE	237.382	4935.084	TOTAL STATE	317.480	7983.728

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4276	4227	4171
MSGENCO Hydro	378	662	116
MSGENCO Gas	451	451	454
MSGENCO Total Generation	5105	5340	4741
Central Sector Receipt	3644	3908	2533
WIND	866	749	536
CPP / IPP	2920	2775	2735
Exchange with Mumbai	-1192	-898	-577
MSEDCL DEMAND MET	11396	11924	9989
Load Shedding	55	128	51
MSEDCL DEMAND	11451	12052	10040
TPCL GENERATION	929	1342	660
R-INFRA GENERATION	520	524	407
TPCL+R-INFRA DEMAND	2641	2764	1644
STATE DEMAND MET	14037	14688	11633
STATE DEMAND	14092	14816	11684
Frequency (Hz)	50.04	50.04	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.35 Hz at 01:14 Hrs	49.59 Hz at 05:44 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 24/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	2.79	54.58	175	0	170
Unit 7	0.00	0.00	0	0	0
Total	2.79	98.45			170
Bhusawal					
Unit 2	2.94	48.03	145	85	140
Unit 3	3.48	81.14	160	130	140
Unit 4	8.53	165.06	390	320	350
Unit 5	5.77	127.31	280	210	0
Total	20.72	421.54			630
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.27	78.21	146	126	135
Unit 5	3.22	3.68	157	103	120
Unit 6	4.36	106.29	205	165	182
Unit 7	4.55	104.83	206	166	180
Total	15.39	293.02			617
Chandrapur					
Unit 1	2.99	60.41	136	102	130
Unit 2	2.14	65.63	123	0	75
Unit 3	3.48	68.32	176	103	180
Unit 4	4.22	89.01	202	140	200
Unit 5	0.00	0.00	0	0	0
Unit 6	7.21	173.49	340	260	300
Unit 7	5.92	183.77	299	215	250
Total	25.96	640.63			1135
Paras					
Unit 3	4.16	106.25	192	157	200
Unit 4	4.31	101.61	220	142	200
Total	8.46	207.85			400
Khaparkheda					
Unit 1	3.75	81.28	180	110	190
Unit 2	3.62	36.58	190	105	160
Unit 3	4.47	83.92	206	173	190
Unit 4	4.09	87.68	200	146	190
Unit 5	0.00	0.00	0	0	0
Total	15.93	289.46			730
Nasik					
Unit 3	3.94	84.36	180	150	190
Unit 4	3.96	88.76	188	150	190
Unit 5	3.94	99.13	181	153	190
Total	11.83	272.24			570
Uran					
All Units	10.67	246.79	455	407	440
Total	10.67	246.79			440
PENCH (MS)					
Pench (MS)	0.84	15.27	53	20	0
Total	0.84	15.27			0
Koyna					
Stage 1-2	1.67	95.66	325	40	600
Stage 4	0.00	140.02	0	0	250
Stage 3	0.93	54.41	160	0	240
Kovna 12&4 Total	1.67	235.69			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.60	290.10			1090
Hydro					
KDPH	0.00	4.70	0	0	0
VTRNA	1.06	4.49	61	0	0
TILLARI	0.23	5.87	59	0	60
BHTGR/VEER	0.10	2.46	5	4	10
BHIRA T.R.	0.23	9.65	41	0	40
RNGR+BHTSA	0.41	6.71	17	16	15
BHANDARDRA	0.34	5.89	15	14	0
ELDARY	0.00	0.00	2	0	0
SMLHY PTN	0.56	8.22	24	23	12
GHATGHAR	0.96	10.22	120	0	0
Total	3.88	58.21			137
Wind					
MalharPeth	0.42	8.18			
Vankuswadi	0.84	13.88			
ATIT	0.13	2.60			
Kale	0.32	5.69			
Satara	6.05	59.68			
Shirala	0.34	4.94			
K Mahankal	0.07	1.84			
Supa	0.44	4.56			
Vita	2.04	26.84			
Dondaicha	5.16	81.90			
Sakri	0.93	12.00			
Nandurbar	0.18	7.47			
Khandke	1.73	13.09			
Khaparale	0.56	10.40			
Total	19.20	253.06			
CPP					
JSW JAIGAD	19.58	502.33	864	763	780
WARDHA	7.49	177.28	324	275	320
Adani	26.13	612.88	1220	850	1234
Other CPPs	12.13	288.30			400
Total	65.33	1580.80			2734
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.60	266.04	504	318	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.69	35.16	131	90	120
Trombay 7B	0.63	13.05	71	0	0
Trombay 8	5.28	134.08	253	183	250
TATA Hydro	2.65	114.82	410	0	447
Total	21.85	563.15			1317
REL					
1&2	11.93	291.26	524	407	500
Total	11.93	291.26			500
Cent Sect					
Share					3805
Total					3805

MS PG CL	Thermal	101.09	2223.20			4252
	Thml+Gas	111.76	2469.98			4692
	Hydro	6.48	348.31			1227
	Total	118.24	2818.30			5919
State Total		237.38	4935.08			14275

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 24/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	4144	100	446	4690	688	2850	2665	2924	-524	-888	10311	81	10392	1993	12385	49.94
2	4141	101	454	4696	680	2828	2484	2580	-515	-730	10101	51	10152	1806	11958	49.91
3	4178	101	454	4733	683	2776	2167	2522	-485	-611	10124	51	10175	1718	11893	49.95
4	4171	116	454	4741	536	2735	2111	2533	-460	-577	9989	51	10040	1644	11684	50.00
5	4221	104	455	4780	464	2785	2330	2620	-453	-582	10088	51	10139	1660	11799	49.99
6	4252	99	448	4799	542	2899	2857	2992	-467	-656	10620	62	10682	1758	12440	49.95
7	4266	205	451	4922	601	2917	3031	3328	-515	-744	11046	91	11137	1908	13045	50.06
8	4321	354	447	5122	660	2908	3077	3470	-516	-795	11415	74	11489	2026	13515	50.08
9	4355	424	453	5232	705	2965	3357	3443	-788	-988	11404	69	11473	2320	13793	50.01
10	4276	378	451	5105	866	2920	3609	3644	-1054	-1192	11396	55	11451	2641	14092	50.04
11	4265	264	454	4983	862	2782	3651	3684	-1061	-1192	11166	54	11220	2867	14087	50.06
12	4159	259	447	4865	1033	2564	3303	3682	-1134	-1201	10990	53	11043	2899	13942	50.06
13	4139	186	448	4773	1086	2500	3077	3334	-1137	-1193	10520	109	10629	2862	13491	50.04
14	4110	179	440	4729	1184	2411	2827	3190	-1037	-1216	10321	58	10379	2723	13102	50.11
15	4168	304	438	4910	1173	2439	2741	3094	-1099	-1241	10396	56	10452	2741	13193	50.05
16	4194	329	438	4961	1205	2430	2886	3192	-1117	-1255	10555	56	10611	2753	13364	50.05
17	4160	183	407	4750	1230	2389	3502	3385	-1049	-1232	10569	57	10626	2737	13363	50.08
18	4146	164	436	4746	1018	2401	3731	4052	-1004	-1199	11071	112	11183	2718	13901	50.11
19	4174	496	452	5122	906	2406	3277	4268	-911	-1004	11748	114	11862	2749	14611	49.93
20	4227	662	451	5340	749	2775	3510	3908	-896	-898	11924	128	12052	2764	14816	50.04
21	4287	484	424	5195	651	2879	3462	4009	-818	-911	11846	77	11923	2577	14500	50.06
22	4290	474	424	5188	594	2929	3264	3543	-743	-877	11397	65	11462	2428	13890	50.02
23	4219	348	450	5017	560	2912	3070	3525	-834	-887	11150	65	11215	2258	13473	50.04
24	4228	164	451	4843	522	2928	3074	3157	-743	-790	10680	64	10744	2084	12828	50.12
MUs	101.09	6.48	10.67	118.24	19.20	65.33	73.06	80.08	-19.36	-22.86	260.83	1.70	262.53	56.63	319.16	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 24/Sep/2013

Position as on 6.30 Hrs of 25/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	
Chandrapur Unit 2	210	21/09/2013	22.19	24/09/2013	02.38	Economiser Tube Leakage.	
Koradi Unit 5	200	22/09/2013	12.08		Continued.	High Furnace Pressure.	
Tata Trombay 7B	60	24/09/2013	04.46	24/09/2013	16.43	Stator Earth Fault.	
Koradi Unit 6	210	24/09/2013	20.33		Continued.	ID Fan Problem	
Tata Trombay 7B	60	24/09/2013	21.49	25/09/2013	01.05	Boiler Feed Pump Trip	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 24/Sep/2013

Position as on 6.30 Hrs of 25/Sep/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Akola - Wardha (PG) - II	24/09/2013	10.57	24/09/2013	17.05	Maintenance 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.
Solapur - Solapur (PG)	23/09/2013	17.55	24/09/2013	06.45	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Nasik-Navsari-I	21/09/2013	17.23		Continued.	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		Continued.	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
400/220 KV 315 MVA ICT-II @ Nagothane.	24/09/2013	14.31	24/09/2013	18.50	Hot Spot
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)
Uran -Apta-III	24/09/2013	08.08	24/09/2013	18.14	Replacement of Line Isolator
220/132 KV 200 MVA T/F - II @ Lonand	24/09/2013	09.10	24/09/2013	13.05	Replacement of Y Phase LV CT
Butibori-III- VIPL -I	24/09/2013	09.12	24/09/2013	12.29	Hot Spot
Miraj - Kadegaon	24/09/2013	10.05	24/09/2013	15.30	Q.M.Work
Parly - Harangool - I	24/09/2013	11.10	24/09/2013	15.29	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.
Karad - Newkoyna - I	18/09/2013	01.54		Continued.	Over Voltage
Lonikand- Koyna Stage IV	23/09/2013	22.56	24/09/2013	07.40	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		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.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 24/Sep/2013

Position as on 6.30 Hrs of 25/Sep/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Chandrapur - Parli - II	21/09/2013	15.18		Continued.	Over Voltage.
Karad - Kolhapur - II	21/09/2013	23.57	24/09/2013	10.00	Over Voltage.
Koradi - New Koradi	22/09/2013	06.04		Continued.	Over Voltage.
Karad-Jaigad I	24/09/2013	02.07	24/09/2013	08.53	Over Voltage.
Karad - Kolhapur - I	24/09/2013	03.32	24/09/2013	06.37	Over Voltage.
Wardha-Warora-II	24/09/2013	17.18	24/09/2013	17.34	Master Trip operated
Karad-Jaigad I	24/09/2013	21.49		Continued.	Over Voltage
Padgha - Nagothane - I	25/09/2013	03.29		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
Koradi-Butibori	24/09/2013	07.04	24/09/2013	07.23	Distance Protection
Kharepatan-Pawas	24/09/2013	12.07	24/09/2013	12.21	Distance protection
Voltage Level : 132KV			Outage Type TRIPPED		
Amravati-Chandurbazar	24/09/2013	19.10	24/09/2013	19.22	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 25/Sep/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	0
	620	0
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	140
Unit 5	210	140
Unit 6	250	180
Unit 7	250	165
	1130	625
Chandrapur		
Unit 1	210	120
Unit 2	210	130
Unit 3	210	170
Unit 4	210	190
Unit 5	500	0
Unit 6	500	300
Unit 7	500	300
	2340	1210
Paras		
Unit 3	250	180
Unit 4	250	180
	500	360
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	190
Unit 4	210	180
Unit 5	210	190
	630	560
Uran		
All Units	852	440
	852	440
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	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	5
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	15
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	196
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	3836
	3455	3836