



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

State Load Dispatch Center, Airoli

Daily system Report

for

13/Oct/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 13/Oct/2013 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	95.257	1233.784	1) Gujrat	2.976	145.333
2) Hydro	5.648	159.311	2) Madhya Pradesh	15.705	234.028
3) Gas	11.164	140.699	3) Chattisgarh	8.750	118.230
Total MSGENCO	112.069	1533.794	4) Maharashtra	62.022	833.033
B) 1) JSW JAIGAD	18.931	285.757	5) Goa	-4.981	-70.080
2) WPCL	7.078	103.551	6) TAPS 1&2 Injection	6.963	72.910
3) ADANI	31.010	412.390	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	7.768	134.904	8) Pench (Excess)	-0.556	-11.248
5) Wind Generation	6.584	113.001	# Total Cent. Sector	90.879	1322.206
6) PENCH (MS)	0.556	11.248	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-21.955	-294.572
1) TPCL Thermal	16.391	253.836	G) Bilateral Power *		
2) TPCL Hydro	0.095	39.964	1) MSEDCL Bilateral	21.076	312.244
TOTAL TPCL	16.486	293.800	Include PX	-0.425	-3.533
3) REL Thermal	9.764	151.299	2) MUMBAI Bilateral	14.753	249.828
D) STATE			Include PX	3.057	62.965
1) Thermal (A1+C1+C3)	121.412	1638.919	3) MUMBAI Schedule	14.753	249.988
2) Hydro (A2+B5+C2)	6.299	210.523	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.164	140.699	1) MSEDCL	252.920	3622.279
4) Wind (B4)	6.584	113.001	2) TPCL	31.079	477.544
5) CPP (B1+B2+B3)	64.787	555.222	3) REL	17.127	262.110
TOTAL STATE	210.246	2658.364	TOTAL STATE	301.126	4361.933

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 8 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4066	4109	3777
MSGENCO Hydro	99	265	203
MSGENCO Gas	476	459	478
MSGENCO Total Generation	4641	4833	4458
Central Sector Receipt	4546	4040	3625
WIND	117	473	379
CPP / IPP	2874	2602	2749
Exchange with Mumbai	-684	-1261	-697
MSEDCL DEMAND MET	11547	10694	10561
Load Shedding	52	50	52
MSEDCL DEMAND	11599	10744	10613
TPCL GENERATION	694	673	680
R-INFRA GENERATION	408	402	411
TPCL+R-INFRA DEMAND	1786	2336	1788
STATE DEMAND MET	13333	13030	12349
STATE DEMAND	13385	13080	12401
Frequency (Hz)	50.25	50.12	50.13

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.47 Hz at 14.10 Hrs	49.62 Hz at 18.09 Hrs	50.12	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 13/Oct/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.02	0.02	15	0	0
Unit 6	4.18	37.77	186	142	172
Unit 7	1.62	31.26	160	0	156
Total	5.82	69.04			328
Bhusawal					
Unit 2	2.66	30.03	150	0	140
Unit 3	2.87	40.07	145	17	140
Unit 4	0.00	66.24	0	0	0
Unit 5	5.44	61.15	260	200	
Total	10.96	197.49			280
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.04	42.24	140	106	142
Unit 5	3.23	44.66	143	126	135
Unit 6	4.05	53.78	180	144	165
Unit 7	3.11	52.12	178	84	165
Total	13.43	192.80			607
Chandrapur					
Unit 1	2.83	36.23	129	102	120
Unit 2	3.04	37.64	136	106	120
Unit 3	3.12	26.39	149	112	150
Unit 4	3.37	35.23	156	120	150
Unit 5	0.00	0.00	0	0	0
Unit 6	7.81	94.35	355	264	300
Unit 7	7.09	89.57	343	265	300
Total	27.24	319.40			1140
Paras					
Unit 3	4.03	46.50	210	137	200
Unit 4	4.24	51.44	205	132	220
Total	8.26	97.94			420
Khaparkheda					
Unit 1	3.48	46.44	160	135	180
Unit 2	3.60	42.68	175	135	180
Unit 3	0.00	12.15	0	0	0
Unit 4	4.03	53.60	172	166	190
Unit 5	6.45	51.35	360	39	200
Total	17.56	206.22			750
Nasik					
Unit 3	4.08	53.97	180	160	190
Unit 4	3.84	53.03	175	142	190
Unit 5	4.05	43.88	177	158	190
Total	11.97	150.88			570
Uran					
All Units	11.16	140.70	484	448	450
Total	11.16	140.70			450
PENCH (MS)					
Pench (MS)	0.56	11.25	53	0	
Total	0.56	11.25			
Koyna					
Stage 1-2	1.30	31.84	105	40	600
Stage 4	0.51	56.48	211	0	250
Stage 3	0.11	20.96	100	0	320
Kovna 12&4 Total	1.81	88.33			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.92	109.29			1170
Hydro					
KDPH	0.00	5.12	0	0	0
VTRNA	0.52	4.74	61	0	0
TILLARI	0.23	3.82	59	0	60
BHTGR/VEER	0.00	0.22	0	0	6
BHIRA T.R.	0.16	3.16	41	0	40
RNGR+BHTSA	0.41	5.24	17	17	
BHANDARDRA	0.00	4.20	0	0	28
ELDARY	0.46	3.95	24	10	
SMLHY PTN	0.53	8.85	22	22	20
GHATGHAR	1.42	8.86	250	0	
Total	3.73	48.19			154
Wind					
MalharPeth	0.58	5.14			
Vankuswadi	0.50	8.35			
ATIT	0.28	1.23			
Kale	0.27	3.35			
Satara	0.16	32.89			
Shirala	0.55	3.61			
K Mahankal	0.54	1.09			
Supa	0.10	0.98			
Vita	0.55	17.97			
Dondaicha	2.01	26.06			
Sakri	0.30	3.79			
Nandurbar	0.20	2.49			
Khandke	0.27	2.10			
Khaparale	0.27	3.94			
Total	6.58	113.00			
CPP					
JSW JAIGAD	18.93	285.76	823	758	1056
WARDHA	7.08	103.55	347	247	345
Adani	31.01	412.39	1420	1260	1851
Other CPPs	7.77	134.90			245
Total	64.79	936.60			3497
Tata					
Trombay 4	0.00	0.00	0	0	
Trombay 5	7.61	131.72	319	315	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.72	33.17	120	100	120
Trombay 7B	1.58	19.90	69	62	60
Trombay 8	4.48	69.05	188	184	250
TATA Hydro	0.10	39.96	68	0	447
Total	16.49	293.80			1377
REL					
1&2	9.76	151.30	412	401	500
Total	9.76	151.30			500
Cent Sect					
Share					3877
Total					3877

MS PG CL	Thermal	95.26	1233.78			4095
	Thml+Gas	106.42	1374.48			4545
	Hydro	5.65	159.31			1324
	Total	112.07	1533.79			5869
State Total		210.25	2658.36			15120

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 13/Oct/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	3795	400	478	4673	321	2728	3809	4047	-560	-983	10836	76	10912	2071	12983	50.02
2	3867	320	478	4665	340	2696	3809	3737	-552	-827	10658	52	10710	1916	12626	50.02
3	3777	203	478	4458	379	2749	3770	3625	-503	-697	10561	52	10613	1788	12401	50.13
4	3845	99	478	4422	329	2789	3724	3842	-456	-613	10791	52	10843	1702	12545	50.17
5	3897	98	480	4475	262	2734	3702	3959	-443	-577	10875	52	10927	1668	12595	50.10
6	4042	160	482	4684	188	2749	3824	4259	-561	-637	11286	52	11338	1733	13071	50.06
7	4129	124	484	4737	147	2741	3901	4595	-635	-657	11610	52	11662	1758	13420	50.20
8	4066	99	476	4641	117	2874	3939	4546	-680	-684	11547	52	11599	1786	13385	50.25
9	4040	177	466	4683	63	2913	3883	4346	-695	-780	11232	52	11284	1878	13162	50.21
10	4044	255	462	4761	61	2767	3893	4238	-603	-910	10930	52	10982	2011	12993	50.22
11	3994	306	450	4750	54	2682	3666	4179	-625	-995	10683	52	10735	2096	12831	50.12
12	3897	355	455	4707	91	2681	3252	4128	-634	-1017	10590	52	10642	2116	12758	50.07
13	3926	420	454	4800	182	2713	3044	3693	-635	-995	10393	102	10495	2094	12589	50.06
14	3958	272	452	4682	206	2709	3030	3464	-628	-955	10106	50	10156	2051	12207	50.11
15	3889	226	462	4577	254	2702	2937	3526	-619	-923	10136	50	10186	2022	12208	50.14
16	3899	231	450	4580	363	2674	2894	3267	-598	-871	10013	50	10063	1981	12044	50.01
17	4068	129	454	4651	427	2645	2798	2390	-506	-858	9255	50	9305	1964	11269	50.17
18	4088	101	448	4637	497	2594	2797	2155	-441	-894	9026	50	9076	1986	11062	50.10
19	4124	185	459	4768	440	2611	3489	3485	-656	-1053	10272	50	10322	2195	12517	49.93
20	4109	265	459	4833	473	2602	3974	4040	-793	-1261	10694	50	10744	2336	13080	50.12
21	3979	291	461	4731	414	2604	3943	3993	-794	-1261	10493	50	10543	2332	12875	50.11
22	3973	289	463	4725	318	2602	3595	3924	-764	-1239	10347	50	10397	2310	12707	50.16
23	4001	347	465	4813	341	2601	2940	3679	-725	-1153	10331	50	10381	2227	12608	50.13
24	3850	296	470	4616	317	2627	2602	3762	-648	-1115	10255	50	10305	2184	12489	50.25
MUs	95.26	5.65	11.16	112.07	6.58	64.79	83.22	90.88	-14.75	-21.96	252.92	1.30	254.22	48.20	302.42	50.12

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 13/Oct/2013

Position as on 6.30 Hrs of 14/Oct/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	
Chandrapur Unit 5	500	14/07/2013	00.01		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	
CPP WPCL U-3	135	16/09/2013	21.19		Continued.	ESP Bag filter repl.	
Koradi Unit 5	200	29/09/2013	01:27	13/10/2013	23.29	ID Fan Problem.	
CPP VIPL	300	02/10/2013	00.45		Continued.	Turbine bearing vibration high.	02/11/2013
Uran Unit 5	108	05/10/2013	07.26		Continued.	Gas Shortage	
Khaparkheda Unit 3	210	05/10/2013	22.53		Continued.	Flame failure.	
Cent_Sect Tarapur 1	160	08/10/2013	09.25		Continued.	CTL.	
Khaparkheda Unit 5	500	09/10/2013	20.49	13/10/2013	00.12	GTR Prot.Optd.	
Bhusawal Unit 4	500	11/10/2013	14.16		Continued.	Economiser Tube Leakage	
Koyna ST-IV 1	250	13/10/2013	06.00		Continued.	NON availibilty of spare	
Koradi Unit 7	210	13/10/2013	10.45		Continued.	B.T.L.	
Bhusawal Unit 2	210	13/10/2013	20.14		Continued.	I D fan problem	
Bhusawal Unit 3	210	13/10/2013	23.10		Continued.	boiler problem	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/Oct/2013

Position as on 6.30 Hrs of 14/Oct/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		
Dhule - S'Sarovar - II	10/10/2013	13.24		Continued.	Replacement of Insulator, ready for charging 16.45Hrs.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	12/10/2013	16.44		Continued.	OVER VOLTAGE
Solapur - Solapur (PG)	12/10/2013	21.09	13/10/2013	05.42	OVER VOLTAGE
Solapur - Solapur (PG)	13/10/2013	16.08		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		
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.
Padgha -Tarapur - I	14/10/2013	02.06		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dabhol - New Koyna - I	26/09/2013	18.50		Continued.	Chattering Noise at Loc.No.47
50 MVAR Reactor on 400 KV Bhusawal - II	30/09/2013	12.55		Continued.	Complete Overhauling and testing work.(For 17 days.)
TBC at Khadka	07/10/2013	17.38		Continued.	TBC BKR, B-pole stuck up existing BHEL BKR, to be repl by CGL make due to foundation mismatch.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Khadka I	07/10/2013	11.29		Continued.	Modification of existing Khadka-Chalisgaon line.
Chalisgaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalisgaon line.
Mahindra-Bridgestone	13/10/2013	09.17	13/10/2013	14.18	half yearly maintance
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
Bhusawal- Aurangabad	03/09/2013	08.40		Continued.	Over Voltage.
Deepnagar-Aurangabad-I	07/09/2013	22.56		Continued.	Over Voltage.
Dabhol-Nagothane - II	28/09/2013	21:34		Continued.	Over Voltage.
Karad - Newkoyna - I	04/10/2013	17.02		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	13/10/2013	16.30		Continued.	over voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Vita - Lamboti	09/10/2013	06.02		Continued.	To control L/L.
Voltage Level : 400KV			Outage Type TRIPPED		
Koradi - II - Indiabull	10/10/2013	04.02		Continued.	Over Voltage.
Karad-Jaigad I	13/10/2013	02.09		Continued.	Over Voltage.
Karad - Kolhapur - II	13/10/2013	02.17	13/10/2013	10.17	Over Voltage.
Karad - Kolhapur - II	13/10/2013	16.02		Continued.	over voltage
Karad - Kolhapur - I	13/10/2013	16.30	13/10/2013	18.45	over voltage
Voltage Level : 220KV			Outage Type TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/Oct/2013

Position as on 6.30 Hrs of 14/Oct/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
Miraj -Ichalkarajni	26/09/2013	22.00		Continued.	Over Load
New Parly - Beed - I	13/10/2013	14.02	13/10/2013	14.38	Distance Protection Operated Z-I B Ph.
Khadka-Bhadli-I	13/10/2013	14.55	13/10/2013	15.15	Distance Protection Operated Z-I B Ph.
Khadka-Bhadli-II	13/10/2013	14.55	13/10/2013	15.15	Distance Protection Operated Z-I B Ph.
Voltage Level : 132KV			Outage Type TRIPPED		
Gangakhed - Sonpeth- II	13/10/2013	00.33	13/10/2013	00.45	Distance Protection Operated Z-I R Ph.
Sawangi-Kagzipura	13/10/2013	11.58	13/10/2013	19.50	R Ph. Conductor Snapped @ Loc.190 to 192

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 14/Oct/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	150
Unit 7	210	0
	620	280
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	0
Unit 5	500	
	1420	0
Parli		
Unit 3	210	0
Unit 4	210	145
Unit 5	210	142
Unit 6	250	160
Unit 7	250	100
	1130	547
Chandrapur		
Unit 1	210	125
Unit 2	210	120
Unit 3	210	150
Unit 4	210	150
Unit 5	500	0
Unit 6	500	360
Unit 7	500	325
	2340	1230
Paras		
Unit 3	250	210
Unit 4	250	200
	500	410
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	0
Unit 4	210	190
Unit 5	500	400
	1340	950
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	450
	852	450
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	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	16
GHATGHAR	250	0
	611	193
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	940
WARDHA	405	345
Adani	1320	1816
Other CPPs	300	245
	3225	3346
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	4270
	3455	4270