



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

State Load Dispatch Center, Airoli

Daily system Report

for

31/Oct/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 31/Oct/2013 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	94.413	3019.800	1) Gujrat	8.321	304.720
2) Hydro	30.925	478.133	2) Madhya Pradesh	24.137	575.460
3) Gas	8.660	340.463	3) Chattisgarh	12.380	300.350
Total MSGENCO	133.998	3838.396	4) Maharashtra	91.712	2150.017
B) 1) JSW JAIGAD	18.672	652.371	5) Goa	-5.979	-174.230
2) WPCL	5.558	205.535	6) TAPS 1&2 Injection	7.509	208.676
3) ADANI	27.280	1056.460	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	4.630	257.654	8) Pench (Excess)	-0.506	-23.017
5) Wind Generation	2.171	178.557	# Total Cent. Sector	137.574	3341.976
6) PENCH (MS)	0.506	23.017	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-19.147	-665.349
1) TPCL Thermal	21.726	635.207	G) Bilateral Power *		
2) TPCL Hydro	6.257	132.963	1) MSEDCL Bilateral	33.438	718.350
TOTAL TPCL	27.983	768.170	Include PX	9.700	2.746
3) REL Thermal	12.482	372.169	2) MUMBAI Bilateral	21.493	601.752
D) STATE			Include PX	8.070	174.547
1) Thermal (A1+C1+C3)	128.621	4027.176	3) MUMBAI Schedule	21.688	602.317
2) Hydro (A2+B5+C2)	37.688	634.113	H) ENERGY CATERED (MUs)		
3) Gas (A3)	8.660	340.463	1) MSEDCL	311.242	8888.617
4) Wind (B4)	2.171	178.557	2) TPCL	38.835	1166.107
5) CPP (B1+B2+B3)	56.140	1142.840	3) REL	20.775	639.544
TOTAL STATE	233.280	6323.149	TOTAL STATE	370.852	10694.268

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3985	3889	3839
MSGENCO Hydro	1835	1892	125
MSGENCO Gas	295	326	482
MSGENCO Total Generation	6115	6107	4446
Central Sector Receipt	6350	5936	5099
WIND	118	60	116
CPP / IPP	2422	2429	2355
Exchange with Mumbai	-1106	-991	-508
MSEDCL DEMAND MET	13910	13594	11508
Load Shedding	89	79	55
MSEDCL DEMAND	13999	13673	11563
TPCL GENERATION	1388	1338	848
R-INFRA GENERATION	521	518	520
TPCL+R-INFRA DEMAND	3015	2847	1876
STATE DEMAND MET	16925	16441	13384
STATE DEMAND	17014	16520	13439
Frequency (Hz)	49.98	50.11	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.33 Hz at 08.58 Hrs	49.63 Hz at 16.47 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 31/Oct/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.29	25.89	160	112	130
Unit 6	0.00	85.01	0	0	0
Unit 7	3.29	82.11	160	111	135
Total	6.58	193.01			265
Bhusawal					
Unit 2	3.39	50.12	150	130	140
Unit 3	3.46	88.48	150	130	140
Unit 4	5.68	157.72	255	220	258
Unit 5	0.00	91.34	0	0	0
Total	12.52	387.67			538
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.19	101.62	152	77	80
Unit 5	3.60	99.78	163	132	150
Unit 6	3.77	126.45	165	145	155
Unit 7	3.65	124.07	161	132	160
Total	14.21	451.93			545
Chandrapur					
Unit 1	2.68	88.19	125	88	120
Unit 2	2.60	63.31	126	83	120
Unit 3	2.74	82.55	143	72	120
Unit 4	3.09	99.25	144	115	140
Unit 5	0.00	0.00	0	0	0
Unit 6	9.76	251.65	425	363	425
Unit 7	4.63	203.86	335	0	200
Total	25.50	788.82			1125
Paras					
Unit 3	4.34	127.04	220	144	220
Unit 4	4.54	123.12	228	158	225
Total	8.88	250.16			445
Khaparkheda					
Unit 1	0.00	93.58	0	0	0
Unit 2	2.86	97.06	135	100	140
Unit 3	3.58	65.32	167	126	160
Unit 4	3.81	125.95	174	144	190
Unit 5	6.77	212.29	370	240	350
Total	17.02	594.19			840
Nasik					
Unit 3	3.14	110.69	180	0	190
Unit 4	2.25	123.44	171	0	190
Unit 5	4.31	119.89	192	147	190
Total	9.70	354.03			570
Uran					
All Units	8.66	340.46	490	290	465
Total	8.66	340.46			465
PENCH (MS)					
Pench (MS)	0.51	23.02	54	0	
Total	0.51	23.02			
Koyna					
Stage 1-2	7.22	100.75	600	40	600
Stage 4	17.66	215.98	1120	0	250
Stage 3	4.66	68.93	240	0	240
Kovna 12&4 Total	24.88	316.73			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	29.53	385.66			1090
Hydro					
KDPH	0.00	6.89	0	0	0
VTRNA	0.00	6.93	0	0	0
TILLARI	0.18	9.14	60	0	58
BHTGR/VEER	0.00	0.22	0	0	4
BHIRA T.R.	0.36	9.01	41	0	41
RNGR+BHTSA	0.38	11.46	16	15	4
BHANDARDRA	0.00	4.46	0	0	4
ELDARY	0.00	8.42	0	0	
SMLHY PTN	0.46	16.06	20	19	4
GHATGHAR	0.00	18.04	0	0	
Total	1.39	90.64			115
Wind					
MalharPeth	0.09	8.01			
Vankuswadi	0.14	13.89			
ATIT	0.01	1.86			
Kale	0.05	5.27			
Satara	1.05	57.17			
Shirala	0.06	5.69			
K Mahankal	0.02	1.39			
Supa	0.04	2.60			
Vita	0.60	27.05			
Dondaicha	0.02	34.08			
Sakri	0.01	5.54			
Nandurbar	0.00	3.09			
Khandke	0.08	6.16			
Khaparale	0.01	6.75			
Total	2.17	178.56			
CPP					
JSW JAIGAD	18.67	652.37	883	745	797
WARDHA	5.56	205.54	236	217	235
Adani	27.28	1056.46	1220	840	1234
Other CPPs	4.63	257.65			
Total	56.14	2172.02			2266
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.44	328.27	502	369	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.83	84.08	129	108	120
Trombay 7B	1.64	49.30	72	65	60
Trombay 8	5.82	173.56	245	238	250
TATA Hydro	6.26	132.96	471	0	447
Total	27.98	768.17			1377
REL					
1&2	12.48	372.17	522	518	500
Total	12.48	372.17			500
Cent Sect					
Share					5775
Total					5775

MS PG CL	Thermal	94.41	3019.80			4328
	Thml+Gas	103.07	3360.26			4793
	Hydro	30.92	478.13			1205
	Total	134.00	3838.40			5998
State Total		233.28	6323.15			15916

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 31/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	3700	513	481	4694	146	2290	5131	5413	-856	-650	11893	85	11978	2111	14089	49.94
2	3814	300	481	4595	134	2337	5051	5359	-706	-510	11915	55	11970	1926	13896	50.02
3	3839	125	482	4446	116	2355	4987	5099	-612	-508	11508	55	11563	1876	13439	50.02
4	3817	80	485	4382	112	2360	4969	5279	-586	-512	11621	55	11676	1817	13493	50.07
5	3830	270	490	4590	102	2345	4941	5344	-555	-433	11948	60	12008	1741	13749	49.99
6	3949	881	473	5303	107	2363	5094	5416	-536	-372	12817	80	12897	1792	14689	49.84
7	4026	1537	340	5903	89	2343	5092	5353	-536	-398	13293	90	13383	1884	15267	49.93
8	4059	1664	319	6042	61	2393	5218	5679	-663	-465	13743	90	13833	1949	15782	49.96
9	4047	1876	315	6238	67	2407	5502	5834	-857	-739	13835	82	13917	2326	16243	49.99
10	3975	1914	307	6196	72	2414	5923	6031	-975	-795	13941	66	14007	2664	16671	50.05
11	4013	1821	299	6133	106	2441	5948	6204	-1094	-1018	13887	65	13952	2934	16886	50.03
12	3985	1835	295	6115	118	2422	6161	6350	-1280	-1106	13910	89	13999	3015	17014	49.98
13	4061	1723	294	6078	101	2400	6145	6329	-1264	-1123	13787	146	13933	3003	16936	50.01
14	4060	1302	290	5652	77	2235	5959	6458	-1104	-1009	13413	91	13504	2899	16403	49.96
15	4025	1928	292	6245	61	2042	5881	6410	-1139	-1019	13762	73	13835	2931	16766	49.90
16	4005	1981	294	6280	59	2084	5886	6291	-1103	-1039	13699	70	13769	2942	16711	49.83
17	4008	1865	297	6170	59	2085	5821	6125	-1052	-1022	13444	66	13510	2917	16427	49.90
18	3928	1548	302	5778	69	2164	5431	5576	-1085	-1030	12582	58	12640	2869	15509	49.94
19	3909	1715	303	5927	58	2344	5391	6178	-1090	-1019	13535	59	13594	2895	16489	50.05
20	3889	1892	326	6107	60	2429	5425	5936	-1073	-991	13594	79	13673	2847	16520	50.11
21	3891	1389	353	5633	65	2486	5467	5665	-922	-911	12991	79	13070	2771	15841	50.02
22	3861	1032	362	5255	73	2468	5281	5414	-889	-840	12424	69	12493	2623	15116	50.02
23	3877	922	362	5161	163	2468	5047	4836	-850	-829	11851	60	11911	2502	14413	49.97
24	3846	812	418	5076	96	2465	4936	4996	-861	-809	11851	60	11911	2378	14289	49.95
MUs	94.41	30.92	8.66	134.00	2.17	56.14	130.69	137.58	-21.69	-19.15	311.24	1.78	313.03	59.61	372.64	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 31/Oct/2013

Position as on 6.30 Hrs of 01/Nov/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 VIPL	300	02/10/2013	00.45		Continued.	Turbine bearing vibration high.	
Bhusawal Unit 5	500	18/10/2013	15.16		Continued.	ESP Problem.	
CPP JSW (J) U2	300	21/10/2013	00.00		Continued.	Lack of Shedule.	
Koyna Unit 11	80	22/10/2013	00.02	01/11/2013	11.05	Trash Track Work	
Nasik Unit 3	210	26/10/2013	22.45	31/10/2013	02.40	UAT Buchholz operated	
Chandrapur Unit 7	500	27/10/2013	09.01	31/10/2013	04.47	Boiler Tube Leakage.	
Uran Unit 7	108	31/10/2013	06.22	31/10/2013	18.54	Gas Shortage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 31/Oct/2013

Position as on 6.30 Hrs of 01/Nov/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule-Sar'Sarovar - II	31/10/2013	10.03	31/10/2013	14.19	work at ssp end
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Solapur - Solapur (PG)	30/10/2013	19.09	31/10/2013	06.13	Over Voltage
Dhule-Sar'Sarovar - I	30/10/2013	23.21	31/10/2013	16.00	Over Voltage
Kolhapur-Solapur(PGCIL)-I	31/10/2013	00.38	31/10/2013	09.52	Over Voltage
Parly(PG)- Solapur(PG) - I	31/10/2013	20.03	31/10/2013	22.54	Over Voltage
Dhule-Sar'Sarovar - II	01/11/2013	01.26	01/11/2013	05.54	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Solapur (PGCIL)	31/10/2013	21.35	31/10/2013	22.50	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik-Navsari-I	01/11/2013	12.54	01/11/2013	13.40	Distance Protection
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
TBC at Khadka	07/10/2013	17.38	31/10/2013	20.19	TBC BKR,B-pole stuck up existing BHEL BKR,to be repl by CGL make due to foundation mismatch.
400/220KV,315 MVA ICT-I At Lonikand.	31/10/2013	09.50	31/10/2013	18.37	Replacement of LA under Jiaca-2
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalisgaon line.
Lonikand-Bhosari	31/10/2013	08.57	31/10/2013	19.18	Replacement of Insulator
Karad - Peth	31/10/2013	09.12	31/10/2013	17.54	Replacement of Old Insulator
Bhugaon-Pusad	31/10/2013	10.10	31/10/2013	17.08	Red Hot
Kandalgaon - Dasturi	31/10/2013	17.35	31/10/2013	19.21	Hot Spot
Hinganghat - Rly TSS - I	01/11/2013	10.32	01/11/2013	13.06	Replacement of LA
Nagothane-IPCL	01/11/2013	10.33	01/11/2013	17.52	Replacement of LA
Wadkhal-IPCL-II	01/11/2013	12.43	01/11/2013	17.32	Isolator jumper work
Babaleshwar - Nagar - I	01/11/2013	14.29	01/11/2013	17.09	Jumper Tightening work
Lote - N.Koyna	01/11/2013	15.07	01/11/2013	18.32	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
Chandrapur - Parli - II	29/10/2013	17.43	31/10/2013	15.13	Over Voltage.
Bhusawal- Aurangabad	30/10/2013	17.05	31/10/2013	09.00	Over Voltage
Lonikand- Koyna Stage IV	31/10/2013	02.00	31/10/2013	07.39	Over Voltage
Bhusawal- Aurangabad	31/10/2013	17.22	01/11/2013	05.29	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Hinganghat - RLY TSS - II	31/10/2013	16.10	31/10/2013	16.37	TSS -I Y Phase LA Burst
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol - Nagothane - I	01/11/2013	03.05	01/11/2013	07.06	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 Line outages/Trippings for 31/Oct/2013

Position as on 6.30 Hrs of 01/Nov/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Miraj -Ichalkarajni	26/09/2013	22.00		Continued.	Over Load
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.
220/100 KV 200 MVA ICT II at Trombay	31/10/2013	07.28	31/10/2013	16.18	Differential Protection
Trombay - Tifil	31/10/2013	14.47	31/10/2013	15.15	Transient Tripping
Warora-Hinganghat	31/10/2013	16.00	31/10/2013	16.38	Distance Protection
Hinganghat-Bhugaon	31/10/2013	16.00	31/10/2013	16.30	Distance Protection
Hinganghat - Rly TSS - I	31/10/2013	16.00	31/10/2013	23.00	LA Burst
220/132KV.100MVA T/F at Hinganghat	31/10/2013	16.00	31/10/2013	16.40	LV Over Current,Earth Fault
Padgha-Wada	01/11/2013	10.25	01/11/2013	18.46	Tension spring found broken
Voltage Level : 132KV			Outage Type TRIPPED		
Hinganghat-ISMT I	31/10/2013	16.00	31/10/2013	16.43	Tripped at ISMT End
Hinganghat-ISMT-II	31/10/2013	16.00	31/10/2013	16.43	Tripped at ISMT End
Paras-Akot	01/11/2013	17.38	01/11/2013	17.58	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/Nov/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	108
Unit 6	210	0
Unit 7	210	154
	620	262
Bhusawal		
Unit 2	210	140
Unit 3	210	140
Unit 4	500	258
Unit 5	500	
	1420	538
Parli		
Unit 3	210	0
Unit 4	210	145
Unit 5	210	135
Unit 6	250	160
Unit 7	250	155
	1130	595
Chandrapur		
Unit 1	210	100
Unit 2	210	100
Unit 3	210	100
Unit 4	210	120
Unit 5	500	0
Unit 6	500	400
Unit 7	500	400
	2340	1220
Paras		
Unit 3	250	182
Unit 4	250	182
	500	364
Khaparkheda		
Unit 1	210	0
Unit 2	210	140
Unit 3	210	150
Unit 4	210	150
Unit 5	500	300
	1340	740
Nasik		
Unit 3	210	190
Unit 4	210	0
Unit 5	210	190
	630	380
Uran		
All Units	852	465
	852	465
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	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	58
BHTGR/VEER	21	0
BHIRA T.R.	80	41
RNGR+BHTSA	20	12
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	111
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	753
WARDHA	405	230
Adani	1980	1234
Other CPPs	300	
	3885	2217
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	5253
	3455	5253