



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

State Load Dispatch Center, Airoli

Daily system Report

for

03/Nov/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 03/Nov/2013 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	104.012	298.333	1) Gujrat	16.044	39.542
2) Hydro	4.020	39.139	2) Madhya Pradesh	19.093	63.449
3) Gas	11.362	33.569	3) Chattisgarh	10.350	35.350
Total MSGENCO	119.394	371.041	4) Maharashtra	68.735	241.140
B) 1) JSW JAIGAD	17.595	56.073	5) Goa	-4.685	-15.280
2) WPCL	3.669	14.842	6) TAPS 1&2 Injection	7.501	22.557
3) ADANI	28.300	86.560	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	10.664	21.644	8) Pench (Excess)	-0.337	-1.060
5) Wind Generation	4.172	8.724	# Total Cent. Sector	116.701	385.698
6) PENCH (MS)	0.337	1.060	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-18.065	-54.413
1) TPCL Thermal	18.077	60.632	G) Bilateral Power *		
2) TPCL Hydro	0.865	9.708	1) MSEDCL Bilateral	29.285	107.633
TOTAL TPCL	18.942	70.340	Include PX	2.447	21.981
3) REL Thermal	11.220	35.468	2) MUMBAI Bilateral	13.426	51.605
D) STATE			Include PX	5.172	18.656
1) Thermal (A1+C1+C3)	133.309	394.433	3) MUMBAI Schedule	13.426	51.897
2) Hydro (A2+B5+C2)	5.222	49.907	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.362	33.569	1) MSEDCL	282.767	891.229
4) Wind (B4)	4.172	8.724	2) TPCL	30.920	103.578
5) CPP (B1+B2+B3)	60.228	120.859	3) REL	17.314	56.649
TOTAL STATE	214.293	607.492	TOTAL STATE	331.001	1051.456

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 8 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	4253	4598	4088
MSGENCO Hydro	483	99	92
MSGENCO Gas	488	471	483
MSGENCO Total Generation	5224	5168	4663
Central Sector Receipt	5298	4800	4361
WIND	175	150	241
CPP / IPP	2512	2599	2562
Exchange with Mumbai	-297	-890	-780
MSEDCL DEMAND MET	12939	11854	11050
Load Shedding	64	64	56
MSEDCL DEMAND	13003	11918	11106
TPCL GENERATION	911	1063	670
R-INFRA GENERATION	522	522	397
TPCL+R-INFRA DEMAND	1730	2475	1847
STATE DEMAND MET	14669	14329	12897
STATE DEMAND	14733	14393	12953
Frequency (Hz)	49.99	50.17	50.12

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.48 Hz at 14.01 Hrs	49.68 Hz at 05.37 Hrs	50.09	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 03/Nov/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.06	9.42	140	100	130
Unit 6	2.98	4.20	137	101	125
Unit 7	3.10	9.79	145	115	130
Total	9.14	23.41			385
Bhusawal					
Unit 2	3.47	10.83	160	135	150
Unit 3	3.70	10.82	185	135	140
Unit 4	6.42	19.66	310	205	323
Unit 5	0.00	0.00	0	0	
Total	13.60	41.30			613
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.29	9.62	146	126	145
Unit 5	3.45	10.34	163	129	145
Unit 6	3.72	11.34	163	143	150
Unit 7	3.74	11.23	175	145	155
Total	14.20	42.53			595
Chandrapur					
Unit 1	1.08	5.30	119	0	80
Unit 2	2.46	6.49	142	55	80
Unit 3	2.71	7.25	149	76	100
Unit 4	2.88	7.70	148	95	100
Unit 5	0.00	0.00	0	0	0
Unit 6	9.51	28.18	430	330	425
Unit 7	8.21	23.56	392	280	300
Total	26.84	78.49			1085
Paras					
Unit 3	4.14	11.66	228	115	150
Unit 4	4.76	13.77	240	175	190
Total	8.90	25.43			340
Khaparkheda					
Unit 1	0.65	0.65	120	0	0
Unit 2	3.63	9.98	165	130	160
Unit 3	3.50	10.83	160	122	190
Unit 4	4.62	13.40	203	173	190
Unit 5	9.18	25.28	430	340	400
Total	21.58	60.13			940
Nasik					
Unit 3	4.11	12.56	180	160	190
Unit 4	1.47	1.47	167	0	0
Unit 5	4.16	13.02	182	160	190
Total	9.74	27.04			380
Uran					
All Units	11.36	33.57	488	460	465
Total	11.36	33.57			465
PENCH (MS)					
Pench (MS)	0.34	1.06	47	0	
Total	0.34	1.06			
Koyna					
Stage 1-2	1.57	8.71	155	40	600
Stage 4	0.00	18.70	0	0	250
Stage 3	0.25	6.51	80	0	320
Kovna 12&4 Total	1.57	27.41			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.82	33.92			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.17	0	0	0
TILLARI	0.18	0.55	60	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.17	0.86	40	0	40
RNGR+BHTSA	0.40	1.17	17	16	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.87	1.69	37	30	0
GHATGHAR	0.58	0.78	250	0	0
Total	2.20	5.22			115
Wind					
MalharPeth	0.52	0.76			
Vankuswadi	0.41	0.81			
ATIT	0.97	1.00			
Kale	0.10	0.27			
Satara	0.30	2.38			
Shirala	0.09	0.23			
K Mahankal	0.51	0.53			
Supa	0.11	0.22			
Vita	0.36	0.92			
Dondaicha	0.15	0.37			
Sakri	0.02	0.05			
Nandurbar	0.01	0.03			
Khandke	0.41	0.81			
Khaparale	0.20	0.35			
Total	4.17	8.72			
CPP					
JSW JAIGAD	17.60	56.07	830	641	1003
WARDHA	3.67	14.84	237	96	235
Adani	28.30	86.56	1230	1010	1234
Other CPPs	10.66	21.64			
Total	60.23	179.12			2472
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	8.73	31.48	496	314	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.46	7.55	115	70	120
Trombay 7B	1.52	4.61	68	52	60
Trombay 8	5.36	16.99	252	186	250
TATA Hydro	0.86	9.71	199	0	447
Total	18.94	70.34			1377
REL					
1&2	11.22	35.47	524	397	500
Total	11.22	35.47			500
Cent Sect					
Share					4922
Total					4922

MS PG CL	Thermal	104.01	298.33			4338
	Thml+Gas	115.37	331.90			4803
	Hydro	4.02	39.14			1285
	Total	119.39	371.04			6088
State Total		214.29	607.49			15359

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 03/Nov/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	4059	97	483	4639	236	2516	4744	4750	-769	-950	11215	89	11304	2031	13335	50.10
2	4088	92	483	4663	241	2562	4410	4361	-625	-780	11050	56	11106	1847	12953	50.12
3	4112	92	483	4687	202	2369	4351	4589	-549	-679	11168	56	11224	1743	12967	50.06
4	4094	97	484	4675	238	2365	4345	4637	-543	-610	11305	56	11361	1675	13036	50.08
5	4130	102	483	4715	216	2398	4339	4675	-537	-599	11405	56	11461	1642	13103	49.97
6	4186	208	484	4878	226	2592	4698	4976	-496	-528	12144	58	12202	1704	13906	49.90
7	4195	373	488	5056	205	2455	4832	5152	-345	-474	12407	59	12466	1739	14205	49.97
8	4253	483	488	5224	175	2512	4922	5298	-299	-297	12939	64	13003	1730	14733	49.99
9	4305	508	480	5293	163	2522	4821	5057	-330	-358	12704	63	12767	1801	14568	50.06
10	4328	257	470	5055	163	2542	4815	4899	-407	-445	12221	56	12277	1900	14177	50.05
11	4306	192	467	4965	166	2537	5087	5205	-579	-601	12282	56	12338	2000	14338	50.07
12	4348	144	463	4955	148	2625	4713	5551	-631	-689	12613	62	12675	2036	14711	50.02
13	4373	193	461	5027	186	2575	4594	5499	-643	-726	12573	123	12696	2054	14750	50.02
14	4468	179	461	5108	164	2533	4586	5412	-636	-712	12517	67	12584	2040	14624	50.02
15	4451	99	464	5014	144	2568	4540	5394	-599	-719	12412	61	12473	2024	14497	50.28
16	4433	99	460	4992	109	2509	4448	5348	-580	-712	12257	62	12319	2005	14324	50.13
17	4383	104	460	4947	130	2520	4355	4887	-496	-766	11729	63	11792	1987	13779	50.16
18	4313	99	460	4872	162	2312	4105	4089	-535	-893	10567	62	10629	2037	12666	50.10
19	4419	129	469	5017	142	2311	4670	4925	-607	-880	11562	63	11625	2356	13981	50.07
20	4598	99	471	5168	150	2599	4682	4800	-681	-890	11854	64	11918	2475	14393	50.17
21	4557	99	472	5128	166	2654	4338	4545	-660	-1076	11444	64	11508	2416	13924	50.20
22	4587	98	477	5162	154	2692	4203	4410	-637	-1252	11186	63	11249	2381	13630	50.21
23	4583	86	481	5150	137	2594	4173	4028	-640	-1233	10676	61	10737	2333	13070	50.19
24	4443	91	470	5004	149	2366	4113	4214	-602	-1196	10537	61	10598	2271	12869	50.22
MUs	104.01	4.02	11.36	119.39	4.17	60.23	108.88	116.70	-13.43	-18.06	282.77	1.54	284.31	48.23	332.54	50.09

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 03/Nov/2013

Position as on 6.30 Hrs of 04/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	
CPP WPCL U-2	135	16/10/2013	05.15		Continued.	Maint.Work.	
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	03/11/2013	14.07	ESP Bag filter repl.	
CPP VIPL	300	02/10/2013	00.45		Continued.	Turbine bearing vibration high.	05/11/2013
Uran Unit 5	108	05/10/2013	07.26		Continued.	Gas Shortage	
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.	
Khaparkheda Unit 1	210	28/10/2013	20.37	03/11/2013	12.55	Coal Mill Problem.	
CPP Adani U-3	660	30/10/2013	14.25		Continued.	R Phase HV Bushing of GT3 Burst	
Cent_Sect TARAPUR-4	540	31/10/2013	13.46	03/11/2013	23.24	Reactor Problem	
Nasik Unit 4	210	31/10/2013	14.00	03/11/2013	10.25	Control Valve Problem	
Nasik Unit 4	210	03/11/2013	10.35	03/11/2013	11.35	low forward power protection	
Chandrapur Unit 1	210	03/11/2013	12.12		Continued.	poor bunkering problem	
CPP WPCL U-3	135	03/11/2013	15.07	03/11/2013	16.07	turbing pressure high	
Khaparkheda Unit 1	210	03/11/2013	15.31	03/11/2013	17.42	drum level low	
CPP WPCL U-1	135	03/11/2013	6.24		Continued.	ID FAN PROBLEM	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 03/Nov/2013

Position as on 6.30 Hrs of 04/Nov/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-II	30/10/2013	21.27		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	03/11/2013	00.46		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur-Solapur (PG) II	02/11/2013	16.32		Continued.	over voltage
Dabhol - NewKoyna - II	02/11/2013	21.32	03/11/2013	6.24	over voltage
Karad - Solapur (PGCIL)	02/11/2013	21.32	03/11/2013	11.14	over voltage
Karad - Solapur (PGCIL)	03/11/2013	16.37		Continued.	Over Voltage.
Dabhol - NewKoyna - II	03/11/2013	16.56	03/11/2013	18.33	Over Voltage.
Kolhapur-Solapur (PG) II	03/11/2013	17.01	03/11/2013	18.12	Over Voltage.
Dabhol - NewKoyna - II	03/11/2013	21.52		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dabhol - New Koyna - I	26/09/2013	18.50	03/11/2013	09.30	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 @ Kharghar	23/10/2013	10.30		Continued.	Isolator work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalisgaon line.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Aarey - Saki - I	30/10/2013	23.46	03/11/2013	15.23	Emergency outage
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
Dabhol-Nagothane - II	28/09/2013	21.34		Continued.	Over Voltage.
Deepnagar-Aurangabad-I	25/10/2013	17.37		Continued.	Hand tripped for Over Voltage
Karad - Kolhapur - II	30/10/2013	18.21		Continued.	Over Voltage
Bhusawal- Aurangabad	01/11/2013	18.07		Continued.	Over Voltage
C'pur-Parli II	02/11/2013	21.39	03/11/2013	06.51	over voltage
Lonikand- Koyna Stage IV	02/11/2013	23.30	03/11/2013	06.35	Over Voltage
Chandrapur - Parli - II	03/11/2013	21.52	04/11/2013	6.15	Over Voltage.
Lonikand- Koyna Stage IV	03/11/2013	21.55		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Bhusawal - Deepnagar - II	26/10/2013	18.50		Continued.	over voltage
Karad-Jaigad I	31/10/2013	20.08		Continued.	Over Voltage
Karad - Kolhapur - I	02/11/2013	16.31	03/11/2013	11.21	over voltage
Dabhol - Nagothane - I	02/11/2013	21.32		Continued.	over voltage
Dabhol - New Koyna - I	03/11/2013	16.02		Continued.	Over Voltage.
Karad - Kolhapur - I	03/11/2013	16.11		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
Miraj -Ichalkarajni	26/09/2013	22.00		Continued.	Over Load
Talandge - Sawantwadi -	29/10/2013	17.30		Continued.	Dist Prot.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Nov/2013

Position as on 6.30 Hrs of 04/Nov/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
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II.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 04/Nov/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	110
Unit 6	210	110
Unit 7	210	140
	620	360
Bhusawal		
Unit 2	210	150
Unit 3	210	150
Unit 4	500	237
Unit 5	500	
	1420	537
Parli		
Unit 3	210	0
Unit 4	210	140
Unit 5	210	140
Unit 6	250	155
Unit 7	250	145
	1130	580
Chandrapur		
Unit 1	210	0
Unit 2	210	125
Unit 3	210	180
Unit 4	210	180
Unit 5	500	0
Unit 6	500	425
Unit 7	500	400
	2340	1310
Paras		
Unit 3	250	100
Unit 4	250	200
	500	300
Khaparkheda		
Unit 1	210	75
Unit 2	210	105
Unit 3	210	130
Unit 4	210	190
Unit 5	500	360
	1340	860
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	470
	852	470
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	
VTRNA	60	

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	
BHIRA T.R.	80	40
RNGR+BHTSA	20	
BHANDARDRA	45	
ELDARY	23	
SMLHY PTN	12	17
GHATGHAR	250	
	611	117
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	750
WARDHA	405	235
Adani	1320	1234
Other CPPs	300	245
	3225	2464
Tata		
Trombay 4	150	
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	5004
	3455	5004