



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

State Load Dispatch Center, Airoli

Daily system Report

for

07/Nov/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 07/Nov/2013 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	99.945	721.051	1) Gujrat	9.956	94.714
2) Hydro	11.640	67.676	2) Madhya Pradesh	19.097	127.072
3) Gas	9.011	74.572	3) Chattisgarh	11.690	77.590
Total MSGENCO	120.596	863.299	4) Maharashtra	80.681	526.756
B) 1) JSW JAIGAD	17.840	127.137	5) Goa	-5.972	-38.137
2) WPCL	5.188	36.336	6) TAPS 1&2 Injection	7.473	52.466
3) ADANI	39.920	215.460	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	8.387	55.439	8) Pench (Excess)	-0.358	-2.333
5) Wind Generation	2.224	25.775	# Total Cent. Sector	122.567	838.128
6) PENCH (MS)	0.358	2.333	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-21.349	-136.444
1) TPCL Thermal	18.828	133.157	G) Bilateral Power *		
2) TPCL Hydro	4.782	23.360	1) MSEDCL Bilateral	30.515	218.484
TOTAL TPCL	23.610	156.517	Include PX	3.741	25.721
3) REL Thermal	11.528	80.976	2) MUMBAI Bilateral	18.976	122.338
D) STATE			Include PX	8.615	45.054
1) Thermal (A1+C1+C3)	130.301	935.184	3) MUMBAI Schedule	18.976	122.789
2) Hydro (A2+B5+C2)	16.780	93.369	H) ENERGY CATERED (MUs)		
3) Gas (A3)	9.011	74.572	1) MSEDCL	295.731	2027.463
4) Wind (B4)	2.224	25.775	2) TPCL	36.713	241.933
5) CPP (B1+B2+B3)	71.335	258.832	3) REL	19.771	131.736
TOTAL STATE	229.651	1387.732	TOTAL STATE	352.215	2401.132

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4127	4120	4309
MSGENCO Hydro	1008	1216	83
MSGENCO Gas	400	309	414
MSGENCO Total Generation	5535	5645	4806
Central Sector Receipt	6139	5305	3919
WIND	46	86	101
CPP / IPP	2963	3116	2811
Exchange with Mumbai	-1060	-1000	-616
MSEDCL DEMAND MET	13648	13179	11021
Load Shedding	695	433	74
MSEDCL DEMAND	14343	13612	11095
TPCL GENERATION	1240	1232	681
R-INFRA GENERATION	524	523	400
TPCL+R-INFRA DEMAND	2824	2755	1697
STATE DEMAND MET	16472	15934	12718
STATE DEMAND	17167	16367	12792
Frequency (Hz)	50.05	49.89	50.14

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.37 Hz at 09.58 Hrs	49.46 Hz at 18.05 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 07/Nov/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	1.55	20.30	160	0	145
Unit 6	3.47	16.34	172	102	135
Unit 7	3.86	23.69	185	129	130
Total	8.87	60.34			410
Bhusawal					
Unit 2	3.76	25.46	165	145	150
Unit 3	3.54	25.20	170	135	150
Unit 4	3.68	40.48	280	0	269
Unit 5	0.00	0.00	0	0	
Total	10.98	91.14			569
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.82	24.30	172	146	155
Unit 5	3.77	25.08	169	120	165
Unit 6	0.00	17.43	0	0	0
Unit 7	0.00	20.35	0	0	0
Total	7.59	87.15			320
Chandrapur					
Unit 1	2.62	8.03	135	39	100
Unit 2	3.11	19.00	134	123	140
Unit 3	3.21	20.40	154	112	150
Unit 4	3.60	22.40	170	138	180
Unit 5	0.00	0.00	0	0	0
Unit 6	9.29	65.51	445	274	400
Unit 7	8.67	58.18	399	298	375
Total	30.50	193.52			1345
Paras					
Unit 3	3.88	28.50	205	107	150
Unit 4	5.10	34.34	234	153	230
Total	8.98	62.84			380
Khaparkheda					
Unit 1	2.88	11.33	140	85	160
Unit 2	2.84	21.91	165	60	160
Unit 3	3.17	24.32	168	105	170
Unit 4	2.92	29.70	188	0	200
Unit 5	8.45	61.85	390	290	350
Total	20.27	149.11			1040
Nasik					
Unit 3	4.16	29.15	190	155	190
Unit 4	4.29	17.99	192	165	190
Unit 5	4.30	29.82	193	163	190
Total	12.76	76.96			570
Uran					
All Units	9.01	74.57	416	309	410
Total	9.01	74.57			410
PENCH (MS)					
Pench (MS)	0.36	2.33	43	0	
Total	0.36	2.33			
Koyna					
Stage 1-2	4.76	18.54	565	40	600
Stage 4	3.33	25.59	621	0	250
Stage 3	1.36	9.66	160	0	320
Kovna 12&4 Total	8.08	44.13			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	9.44	53.80			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.17	0	0	0
TILLARI	0.17	1.27	59	0	60
BHTGR/VEER	0.00	0.00	0	0	4
BHIRA T.R.	0.24	1.44	41	0	40
RNGR+BHTSA	0.40	2.76	17	16	4
BHANDARDRA	0.00	0.00	0	0	5
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.39	4.14	17	16	4
GHATGHAR	1.01	4.09	120	0	0
Total	2.20	13.88			117
Wind					
MalharPeth	0.10	1.87			
Vankuswadi	0.18	2.51			
ATIT	0.01	1.25			
Kale	0.05	0.90			
Satara	0.87	7.58			
Shirala	0.06	0.84			
K Mahankal	0.01	1.26			
Supa	0.04	0.46			
Vita	0.32	3.25			
Dondaicha	0.35	2.50			
Sakri	0.04	0.25			
Nandurbar	0.02	0.21			
Khandke	0.17	1.78			
Khaparale	0.01	1.11			
Total	2.22	25.78			
CPP					
JSW JAIGAD	17.84	127.14	833	645	754
WARDHA	5.19	36.34	218	214	235
Adani	39.92	215.46	1820	1470	1851
Other CPPs	8.39	55.44			245
Total	71.34	434.37			3085
Tata					
Trombay 4		0.00			0
Trombay 5	10.35	68.51	502	317	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	1.52	16.07	64	63	120
Trombay 7B	1.21	10.25	51	49	60
Trombay 8	5.75	38.33	253	187	250
TATA Hydro	4.78	23.36	414	0	447
Total	23.61	156.52			1377
REL					
1&2	11.53	80.98	525	399	500
Total	11.53	80.98			500
Cent Sect					
Share					5647
Total					5647

MS PG CL	Thermal	99.94	721.05			4634
	Thml+Gas	108.96	795.62			5044
	Hydro	11.64	67.68			1287
	Total	120.60	863.30			6331
State Total		229.65	1387.73			16940

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 07/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	4185	163	411	4759	175	2800	3984	4513	-674	-925	11337	87	11424	2051	13475	50.07
2	4247	98	411	4756	152	2953	3834	4000	-523	-661	11200	74	11274	1861	13135	50.07
3	4248	73	413	4734	130	2849	3761	4026	-450	-634	11105	74	11179	1765	12944	50.16
4	4309	83	414	4806	101	2811	3727	3919	-415	-616	11021	74	11095	1697	12792	50.14
5	4327	83	413	4823	92	2791	3776	4096	-397	-580	11222	85	11307	1677	12984	50.12
6	4339	124	414	4877	103	2838	4414	4422	-433	-480	11760	175	11935	1749	13684	50.06
7	4421	187	415	5023	136	2852	4604	4630	-446	-386	12255	391	12646	1781	14427	49.85
8	4444	431	416	5291	108	2865	4920	4917	-559	-515	12693	462	13155	1904	15059	49.90
9	4228	432	413	5073	78	2893	5114	5525	-753	-779	12815	438	13253	2195	15448	49.95
10	4263	718	410	5391	68	2823	5333	5824	-850	-942	13177	479	13656	2550	16206	50.00
11	4265	874	403	5542	69	2948	5520	5966	-1009	-1063	13489	593	14082	2789	16871	50.02
12	4127	1008	400	5535	46	2963	5478	6139	-1076	-1060	13648	695	14343	2824	17167	50.05
13	3920	1239	399	5558	33	2974	5379	5915	-1077	-1026	13466	838	14304	2820	17124	49.99
14	4008	974	408	5390	28	3044	5199	5963	-994	-1018	13419	737	14156	2740	16896	50.07
15	4102	1194	386	5682	53	3061	5398	5718	-998	-1002	13524	547	14071	2772	16843	49.98
16	4087	1408	326	5821	50	3074	5406	5720	-1005	-1000	13676	456	14132	2770	16902	49.91
17	4120	1216	309	5645	86	3116	5086	5305	-990	-1000	13179	433	13612	2755	16367	49.89
18	4156	141	318	4615	88	3208	4826	4717	-947	-1076	11595	512	12107	2715	14822	49.98
19	4193	515	318	5026	87	3209	4983	5229	-992	-1006	12585	269	12854	2795	15649	49.96
20	4203	204	321	4728	117	3113	5110	5236	-966	-1032	12182	359	12541	2731	15272	50.10
21	4127	113	323	4563	97	3063	4960	5385	-921	-1102	12018	235	12253	2644	14897	50.18
22	3947	73	324	4344	115	3015	4852	5342	-845	-1163	11664	113	11777	2398	14175	50.11
23	3841	73	327	4241	98	3040	4692	5127	-854	-1159	11372	72	11444	2330	13774	50.02
24	3839	216	319	4374	121	3032	4517	4932	-801	-1124	11336	69	11405	2174	13579	50.05
MUs	99.95	11.64	9.01	120.60	2.23	71.34	114.87	122.57	-18.98	-21.35	295.74	8.27	304.00	56.49	360.49	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 07/Nov/2013

Position as on 6.30 Hrs of 08/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.	
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.	
CPP WPCL U-1	135	03/11/2013	6.24		Continued.	ID FAN PROBLEM	
CPP Abhijeet	62	05/11/2013	11.53		Continued.	Turbine Tripped.	
Parli Unit 6	250	05/11/2013	15.29		Continued.	CHP Problem.	
Parli Unit 7	250	06/11/2013	06.39		Continued.	CHP Problem.	
CPP WPCL U-4	135	06/11/2013	12.27		Continued.	Convertor belt problem.	
Uran Unit 6	108	06/11/2013	19.11		Continued.	BLR Trip.	
Bhusawal Unit 4	500	07/11/2013	07.45	07/11/2013	10.27	ID Fan Problem.	
Khaparkheda Unit 4	210	07/11/2013	10.31	07/11/2013	14.04	Flame Failure.	
Koradi Unit 5	200	07/11/2013	11.30		Continued.	Flame Failure.	
Bhusawal Unit 4	500	07/11/2013	11.50	07/11/2013	15.52	Class A Prot Optd.	
Uran Unit 6	108	07/11/2013	15.32		Continued.	Gas Shortage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 07/Nov/2013

Position as on 6.30 Hrs of 08/Nov/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Padgha-Bhoisor (PGCIL)	06/11/2013	22.37	07/11/2013	08.05	Red Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Mapusa-II	30/10/2013	21.27		Continued.	Over Voltage
Lamboti - Solapur (PGCIL)	06/11/2013	17.28	07/11/2013	06.47	Over Voltage.
Parli (PGCIL)-Bhadravati-II	06/11/2013	17.46		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	07/11/2013	01.09	07/11/2013	08.13	Over Voltage.
Dhule-Sar'Sarovar - I	08/11/2013	02.12		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur-Solapur (PG) II	02/11/2013	16.32		Continued.	over voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
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
400/220 KV 315 MVA ICT-II @ Chakan	07/11/2013	09.06	07/11/2013	17.49	Testing work.
Jejuri Tie Ckt.Bkr.405	07/11/2013	10.17	07/11/2013	13.08	Testing work.
Padgha - Babaleshwar - II	07/11/2013	10.43	07/11/2013	14.18	Taken on TBC at Padgha to attend own CB valve problem.
404 CB of ICT-2 at Jejuri	07/11/2013	14.29	07/11/2013	18.06	Annual testing work,ICT-2 will remain charged Th.405 Tie CB.
Padgha - Kalwa- I	07/11/2013	15.40	07/11/2013	17.57	To attend CB's air moisture drain valve chock up line on TBC.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalisgaon line.
Kalwa - Salshet - III	07/11/2013	00.49	07/11/2013	05.45	Disconnecting spare ckt at loc.no 11 & 12.
Nerul - Sonkhar	07/11/2013	06.53	07/11/2013	08.44	Red Hot.
Bhosari-C'enka	07/11/2013	08.52	07/11/2013	20.34	Repl.of CT under Jica 2.
220/132KV 200MVA ICT-II at Ambazari	07/11/2013	09.54	07/11/2013	16.03	Measurement of tan delta of ICT Bushings.
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	25/10/2013	17.37		Continued.	Hand tripped for Over Voltage
Karad - Kolhapur - II	30/10/2013	18.21	07/11/2013	08.59	Over Voltage
Bhusawal- Aurangabad	01/11/2013	18.07	07/11/2013	14.57	Over Voltage
New Koyna-Karad-II	07/11/2013	01.17		Continued.	Over Voltage.
Karad - Kolhapur - I	07/11/2013	17.03		Continued.	Over Voltage.
Bhusawal- Aurangabad	07/11/2013	17.28		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	07/11/2013	22.30		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
220/132KV 200 MVA ICT-II @ Jalna	07/11/2013	14.48	07/11/2013	17.08	To make Bus I free for phasing out of Jalna-Chikhali I.
Aurangabad-Jalna-I	07/11/2013	14.50	07/11/2013	16.50	To make Bus I free for phasing out of Jalna-Chikhali I.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 07/Nov/2013

Position as on 6.30 Hrs of 08/Nov/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type TRIPPED		
Bhusawal - Deepnagar - II	26/10/2013	18.50		Continued.	over voltage
Dabhol - New Koyna - I	04/11/2013	16.30		Continued.	Over Voltage.
Dabhol - Nagothane - I	05/11/2013	17.30		Continued.	Over Voltage.
Dabhol-Nagothane - II	06/11/2013	21.30		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	07/11/2013	00.52	07/11/2013	06.37	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 - II.	29/10/2013	17.30		Continued.	Dist Prot.
Hingoli-Pusad	06/11/2013	02.08		Continued.	Distance Protection, Conductor Brokan.
Voltage Level : 132KV			Outage Type TRIPPED		
Nilanga - Omerga	07/11/2013	00.05	07/11/2013	00.30	Dist Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 08/Nov/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	145
Unit 7	210	130
	620	275
Bhusawal		
Unit 2	210	150
Unit 3	210	150
Unit 4	500	269
Unit 5	500	0
	1420	569
Parli		
Unit 3	210	0
Unit 4	210	153
Unit 5	210	165
Unit 6	250	0
Unit 7	250	0
	1130	318
Chandrapur		
Unit 1	210	140
Unit 2	210	140
Unit 3	210	180
Unit 4	210	180
Unit 5	500	0
Unit 6	500	400
Unit 7	500	400
	2340	1440
Paras		
Unit 3	250	150
Unit 4	250	150
	500	300
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	170
Unit 4	210	200
Unit 5	500	400
	1340	1090
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	280
	852	280
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	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	17
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	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	755
WARDHA	405	215
Adani	1320	1851
Other CPPs	300	245
	3225	3066
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	5571
	3455	5571