



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Nov/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/Nov/2013 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	96.901	2027.875	1) Gujrat	5.911	203.901
2) Hydro	22.725	295.676	2) Madhya Pradesh	20.546	357.523
3) Gas	10.609	190.550	3) Chattisgarh	11.160	222.430
Total MSGENCO	130.235	2514.101	4) Maharashtra	87.179	1555.903
B) 1) JSW JAIGAD	19.885	373.757	5) Goa	-5.630	-109.658
2) WPCL	8.234	117.986	6) TAPS 1&2 Injection	7.769	152.416
3) ADANI	28.290	699.110	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	11.317	187.719	8) Pench (Excess)	-0.708	-8.797
5) Wind Generation	2.230	86.689	# Total Cent. Sector	126.227	2373.718
6) PENCH (MS)	0.708	8.797	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-15.529	-372.580
1) TPCL Thermal	21.341	390.958	G) Bilateral Power *		
2) TPCL Hydro	5.464	78.165	1) MSEDCL Bilateral	28.590	614.459
TOTAL TPCL	26.805	469.123	Include PX	9.612	70.409
3) REL Thermal	12.592	216.952	2) MUMBAI Bilateral	19.673	360.713
D) STATE			Include PX	5.581	130.419
1) Thermal (A1+C1+C3)	130.834	2635.785	3) MUMBAI Schedule	19.673	365.941
2) Hydro (A2+B5+C2)	28.897	382.638	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.609	190.550	1) MSEDCL	311.597	5989.297
4) Wind (B4)	2.230	86.689	2) TPCL	35.984	690.251
5) CPP (B1+B2+B3)	67.726	707.752	3) REL	18.938	368.120
TOTAL STATE	240.296	4003.414	TOTAL STATE	366.519	7047.668

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	4004	4055	4004
MSGENCO Hydro	2099	1834	135
MSGENCO Gas	427	417	466
MSGENCO Total Generation	6530	6306	4605
Central Sector Receipt	6172	5544	4754
WIND	88	25	207
CPP / IPP	2752	2777	2781
Exchange with Mumbai	-1013	-897	-169
MSEDCL DEMAND MET	14569	13801	12204
Load Shedding	706	529	198
MSEDCL DEMAND	15275	14330	12402
TPCL GENERATION	1299	1310	885
R-INFRA GENERATION	523	524	525
TPCL+R-INFRA DEMAND	2835	2731	1579
STATE DEMAND MET	17404	16532	13783
STATE DEMAND	18110	17061	13981
Frequency (Hz)	49.88	49.89	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.21 Hz at 15:59 Hrs	49.55 Hz at 06:54 Hrs	49.92	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 20/Nov/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.23	42.54	155	95	140
Unit 6	0.00	48.74	0	0	0
Unit 7	3.33	68.82	175	110	150
Total	6.57	160.09			290
Bhusawal					
Unit 2	2.09	62.70	140	0	0
Unit 3	3.29	69.90	145	125	150
Unit 4	0.00	69.44	0	0	0
Unit 5	0.00	0.00	0	0	0
Total	5.38	202.04			150
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	2.30	70.21	155	0	150
Unit 5	3.84	71.92	183	137	160
Unit 6	4.12	56.37	184	152	165
Unit 7	4.13	59.37	200	156	165
Total	14.40	257.87			640
Chandrapur					
Unit 1	2.93	40.47	126	118	130
Unit 2	2.80	59.92	126	104	140
Unit 3	4.28	70.70	186	169	190
Unit 4	4.49	70.25	200	160	210
Unit 5	0.00	0.00	0	0	0
Unit 6	9.79	162.85	435	375	425
Unit 7	8.09	163.75	352	320	350
Total	32.38	567.94			1445
Paras					
Unit 3	4.13	78.96	195	142	140
Unit 4	4.18	96.16	223	0	200
Total	8.31	175.12			340
Khaparkheda					
Unit 1	3.10	49.74	165	100	150
Unit 2	2.54	61.52	145	85	140
Unit 3	3.40	63.47	154	132	140
Unit 4	3.97	80.76	174	140	160
Unit 5	8.11	178.48	410	0	350
Total	21.12	433.97			940
Nasik					
Unit 3	0.00	71.26	0	0	0
Unit 4	4.32	73.74	189	165	190
Unit 5	4.42	85.85	195	170	190
Total	8.75	230.84			380
Uran					
All Units	10.61	190.55	488	409	475
Total	10.61	190.55			475
PENCH (MS)					
Pench (MS)	0.71	8.80	54	0	0
Total	0.71	8.80			0
Koyna					
Stage 1-2	6.26	83.76	565	40	600
Stage 4	9.34	116.43	1113	0	250
Stage 3	3.21	43.28	320	0	320
Kovna 12&4 Total	15.60	200.20			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	18.81	243.48			1170
Hydro					
KDPH	0.92	5.54	39	38	36
VTRNA	0.00	0.17	0	0	0
TILLARI	0.12	3.82	60	0	60
BHTGR/VEER	0.12	1.01	5	5	5
BHIRA T.R.	0.24	4.34	41	0	40
RNGR+BHTSA	0.35	7.76	15	14	6
BHANDARDRA	0.00	0.00	0	0	5
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.86	11.20	36	35	5
GHATGHAR	1.31	18.34	125	0	0
Total	3.92	52.19			157
Wind					
MalharPeth	0.10	5.28			
Vankuswadi	0.20	8.86			
ATIT	0.02	2.16			
Kale	0.08	3.06			
Satara	0.94	30.55			
Shirala	0.10	3.03			
K Mahankal	0.01	1.88			
Supa	0.04	1.36			
Vita	0.39	11.78			
Dondaicha	0.20	9.12			
Sakri	0.01	1.04			
Nandurbar	0.03	0.81			
Khandke	0.06	4.62			
Khaparale	0.04	3.14			
Total	2.23	86.69			
CPP					
JSW JAIGAD	19.88	373.76	897	785	813
WARDHA	8.23	117.99	354	327	350
Adani	28.29	699.11	1490	940	1234
Other CPPs	11.32	182.94			245
Total	67.73	1373.79			2642
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.81	207.02	503	384	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.13	43.29	110	74	120
Trombay 7B	1.40	28.24	66	53	60
Trombay 8	6.00	112.41	251	248	250
TATA Hydro	5.46	78.16	440	0	447
Total	26.80	469.12			1377
REL					
1&2	12.59	216.95	527	523	500
Total	12.59	216.95			500
Cent Sect					
Share					6087
Total					6087

MS PG CL	Thermal	96.90	2027.88			4185
	Thml+Gas	107.51	2218.42			4660
	Hydro	22.72	295.68			1327
	Total	130.24	2514.10			5987
State Total		240.30	4003.41			16593

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/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	3946	145	464	4555	169	2821	4782	4958	-684	-449	12054	123	12177	1891	14068	49.98
2	4000	135	464	4599	164	2791	4727	4907	-630	-294	12167	183	12350	1716	14066	49.92
3	3929	135	465	4529	209	2805	4716	4833	-592	-201	12188	194	12382	1622	14004	49.93
4	4004	135	466	4605	207	2781	4695	4754	-543	-169	12204	198	12402	1579	13981	50.00
5	4039	275	466	4780	178	2803	4626	4851	-522	-271	12393	244	12637	1578	14215	49.91
6	3995	475	483	4953	143	2830	4777	5032	-538	-312	12700	477	13177	1663	14840	49.90
7	4046	621	484	5151	122	2812	4841	5116	-629	-379	12847	937	13784	1792	15576	49.75
8	4112	1089	488	5689	139	2851	5104	5175	-623	-413	13481	950	14431	1916	16347	49.89
9	4108	1301	465	5874	88	2817	5200	5312	-596	-379	13758	888	14646	2191	16837	49.88
10	4047	1760	437	6244	98	2786	5506	5743	-775	-689	14235	675	14910	2529	17439	49.89
11	3937	2038	432	6407	107	2707	5841	6045	-1044	-922	14398	631	15029	2773	17802	49.95
12	4004	2099	427	6530	88	2752	5959	6172	-1060	-1013	14569	706	15275	2835	18110	49.88
13	4097	1790	423	6310	69	2902	5881	5740	-1042	-1018	14023	817	14840	2834	17674	49.86
14	4127	1499	423	6049	44	2975	5707	5608	-1000	-902	13794	728	14522	2724	17246	49.92
15	4207	1374	428	6009	41	2927	5856	6006	-1005	-930	14077	596	14673	2756	17429	49.96
16	4178	1880	438	6496	39	2844	5744	5915	-1006	-899	14435	529	14964	2741	17705	49.86
17	4055	1834	417	6306	25	2777	5455	5544	-1010	-897	13801	529	14330	2731	17061	49.89
18	4043	1442	423	5908	36	2575	4668	4566	-1008	-923	12189	727	12916	2682	15598	49.83
19	4105	1180	425	5710	36	3203	4818	4875	-1063	-959	12892	569	13461	2729	16190	49.93
20	4142	787	425	5354	35	2852	4908	4963	-956	-851	12380	669	13049	2644	15693	49.91
21	4160	280	424	4864	46	2791	4854	5038	-891	-762	11989	470	12459	2488	14947	49.98
22	4163	132	423	4718	52	2798	4841	4852	-875	-757	11674	300	11974	2314	14288	50.04
23	3785	142	409	4336	43	2764	4711	5099	-819	-591	11676	184	11860	2176	14036	49.91
24	3672	177	410	4259	52	2762	4535	5123	-761	-549	11673	157	11830	2022	13852	50.06
MUs	96.90	22.72	10.61	130.24	2.23	67.73	122.75	126.23	-19.67	-15.53	311.60	12.48	324.08	54.93	379.00	49.92

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 20/Nov/2013

Position as on 6.30 Hrs of 21/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.	
CPP Abhijeet	62	05/11/2013	11.53		Continued.	Turbine Tripped.	
Uran Unit 6	108	07/11/2013	15.32		Continued.	Gas Shortage.	
CPP WPCL U-3	135	10/11/2013	6.10		Continued.	I D FAN PROBLEM	
Bhusawal Unit 4	500	12/11/2013	21.13		Continued.	Tripped,As GT4 Burst.	
Uran Unit 8	108	16/11/2013	23.16		Continued.	GAS RESTRICTION	
Koradi Unit 6	210	17/11/2013	18.06		Continued.	BTL	
Bhusawal Unit 2	210	17/11/2013	18.47	20/11/2013	06.50	I D FAN PROBLEM	
Nasik Unit 3	210	18/11/2013	20.30	21/11/2013	03:42	Super Heater Tube Leakage.	
CPP Adani U1	660	19/11/2013	20.00		Continued.	Boiler Tube Leakage.	
Paras Unit 4	250	20/11/2013	09.28	20/11/2013	11.50	Furnace Pressure High.	
Parli Unit 4	210	20/11/2013	16.30		Continued.	C.T.L.	
Khaparkheda Unit 5	500	20/11/2013	22.16		Continued.	BLR T/L.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Nov/2013

Position as on 6.30 Hrs of 21/Nov/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Akola - Aurangabad - II Main Bay	20/11/2013	11.18	20/11/2013	16.54	Q.M.Work
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Kolhapur - Mapusa - I	20/11/2013	14.52		Continued.	Emergency outage.line ready for charging.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Bhoisor-Bhoisor(PGCIL)-I	20/11/2013	10.10	20/11/2013	11.27	Hot Spot(Taken on TBC).
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur(PGCIL)-I	19/11/2013	16.46		Continued.	Over Voltage.
Kolhapur - Mapusa - I	19/11/2013	17.10	20/11/2013	08.58	Over Voltage.
Solapur - Solapur (PG)	20/11/2013	20.20	21/11/2013	06:29	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	20/11/2013	18.17		Continued.	To control O/L.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/132 KV 200 MVA ICT - II @ Khadka	11/11/2013	09.07		Continued.	Replacement of Old 200 MVA ICT Under LES Upto 04/01/2014.
400/220 KV 300 MVA ICT-I @ Koradi	18/11/2013	10.03		Continued.	Replacement of R Ph.Unit upto 28.11.13.
Main Bus B @ Kolhapur	19/11/2013	15.29		Continued.	To Attend Hot Spot & Replacement of PG Isolator.
New Koyna - StageIV - I	20/11/2013	10.20	20/11/2013	16.52	Hot Spot.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalisgaon line.
220/132 KV 200 MVA ICT - V @ Nasik (OCR) New	18/11/2013	10.37		Continued.	Conversion of Existing Control & Prot. System into S/S Automation.Upto 21.11.13
Khaparkheda-Kawlewada-I	20/11/2013	08.04	20/11/2013	17.04	Overhead crossing work of 765KV S/C Tiroda-Koradi I & II.across loc no.152,153.
Khaparkheda-Kawlewada-II	20/11/2013	08.05	20/11/2013	17.15	Overhead crossing work of 765KV S/C Tiroda-Koradi I & II.across loc no.152,153.
Bus Coupler @ Ghodbandar	20/11/2013	09.23	20/11/2013	15.46	A.M.Work
Wardha--Dhamangaon	20/11/2013	09.32	20/11/2013	15.18	Testing Work.
220/6.6 KV 40 MVA Station T/F- I @ Khaparkheda	20/11/2013	10.23	20/11/2013	14.52	Tan delta measurement of CT's,CRM and BKR Timing.
Parli-Usmanabad	20/11/2013	10.50	20/11/2013	16.09	Fixing of vibration damper.
Murud-Tuljapur	20/11/2013	10.50	20/11/2013	16.09	Hot Spot.
Uran-ONGC	20/11/2013	11.30	20/11/2013	20.52	R.M.Work
Vita - Pandharpur	20/11/2013	12.30	20/11/2013	16.21	Bus outage at P'pur.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Khadka - Deepnagar - I	18/11/2013	3.20		Continued.	FOR ATTENDING R PHASE CB GAS PRESSURE LOW
Voltage Level : 400KV			Outage Type HAND TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Nov/2013

Position as on 6.30 Hrs of 21/Nov/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
Karad-Kolhapur-II	13/11/2013	15.47		Continued.	Over Voltage.
Deepnagar-Aurangabad-II	14/11/2013	21.48		Continued.	Over Voltage.
Bus Coupler @ Kolhapur	19/11/2013	12.43		Continued.	Due to Sparking.
Bhusawal- Aurangabad	19/11/2013	17.39	20/11/2013	07.51	Over Voltage.
Bhusawal- Aurangabad	20/11/2013	17.36		Continued.	Over Voltage.
Karad-Jaigad I	20/11/2013	21.41		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Pusad-Nanded	13/11/2013	18.30		Continued.	To control L/L of Wardha-Y'mal.
Chikhali - Jalna - II	17/11/2013	18.00		Continued.	AFTER TAKEN IN/S,A'BAD ICT 3
Chikhali - Jalna - I	17/11/2013	18.00		Continued.	AFTER TAKEN IN/S,A'BAD ICT 3
Urse-Sahara	20/11/2013	10.05		Continued.	To control 220KV Talegaon PG-Talegaon line load.
Voltage Level : 400KV			Outage Type TRIPPED		
400/ 21.75 KV 600 MVA GT IV @ Deepnagar	12/11/2013	21.00		Continued.	GT4 Caught Fire.
Dabhol - Nagothane - I	14/11/2013	22.00		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 - II.	29/10/2013	17.30		Continued.	Dist Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Nov/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	129
Unit 6	210	0
Unit 7	210	151
	620	280
Bhusawal		
Unit 2	210	150
Unit 3	210	150
Unit 4	500	0
Unit 5	500	
	1420	300
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	125
Unit 6	250	160
Unit 7	250	160
	1130	445
Chandrapur		
Unit 1	210	125
Unit 2	210	110
Unit 3	210	190
Unit 4	210	210
Unit 5	500	0
Unit 6	500	425
Unit 7	500	340
	2340	1400
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	150
Unit 2	210	120
Unit 3	210	160
Unit 4	210	170
Unit 5	500	0
	1340	600
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	475
	852	475
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	36
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	5
BHIRA T.R.	80	40
RNGR+BHTSA	20	5
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	6
GHATGHAR	250	0
	611	152
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	850
WARDHA	405	340
Adani	1980	1234
Other CPPs	300	245
	3885	2669
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	5734
	3455	5734