



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

State Load Dispatch Center, Airoli

Daily system Report

for

11/Nov/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 11/Nov/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	121.544	1201.325	1) Gujrat	7.770	83.325
2) Hydro	7.693	88.609	2) Madhya Pradesh	14.726	176.203
3) Gas	10.391	110.234	3) Chattisgarh	7.950	102.790
Total MSGENCO	139.628	1400.168	4) Maharashtra Net	94.346	1083.921
B) 1) JSW JAIGAD	26.852	268.197	(Incl. 765kV Solapur-Raichur)	-12.990	-111.167
2) WPCL	2.564	28.334	5) Goa	-7.311	-76.981
3) ADANI	60.750	630.570	6) TAPS 1&2 Injection	3.617	37.699
4) Other CPP / IPP	20.673	210.090	7) RGPPL Injection	0.000	0.000
5) Wind Generation	4.634	65.354	8) Pench (Excess)	-0.737	-7.457
6) PENCH (MS)	0.737	7.457	# Total Cent. Sector	120.361	1399.500
7) SOLAR	0.897	11.129	F) Other Exchanges		
C) 1) TPCL Thermal	20.110	200.299	1) With TPCL (Excess)	-24.583	-246.823
2) TPCL Hydro	4.535	38.383	G) Bilateral Power *		
TOTAL TPCL	24.645	238.682	1) MSEDCL Bilateral	30.734	371.304
3) REL Thermal	11.854	133.143	Include PX	5.501	92.890
D) STATE			2) MUMBAI Bilateral	21.528	236.606
1) Thermal (A1+C1+C3)	153.508	1534.767	Include PX	3.922	37.876
2) Hydro (A2+B6+C2)	12.965	134.449	3) MUMBAI Schedule	21.956	237.122
3) Gas (A3)	10.391	110.234	H) ENERGY CATERED (MUs)		
4) Wind (B5)	4.634	65.354	1) MSEDCL	352.513	3773.976
5) CPP/IPP (B1+B2+B3+B4)	110.839	1137.191	2) TPCL	36.917	374.865
6) SOLAR (B7)	0.897	11.129	3) REL	24.163	243.902
TOTAL STATE	293.234	2993.124	TOTAL STATE	413.593	4392.743

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 1 Hrs
MSGENCO Thermal	5269	5957	4556
MSGENCO Hydro	786	386	188
MSGENCO Gas	423	426	440
MSGENCO Total Generation	6478	6769	5184
Central Sector Receipt	6028	5805	4695
WIND	59	26	259
CPP / IPP	4816	4844	4359
SOLAR	137	116	0
Exchange with Mumbai	-1301	-1192	-778
MSEDCL DEMAND MET	16260	16396	13744
Load Shedding	836	882	86
MSEDCL DEMAND	17096	17278	13830
TPCL GENERATION	1274	1259	844
R-INFRA GENERATION	521	521	521
TPCL+R-INFRA DEMAND	3096	2972	2143
STATE DEMAND MET	19356	19368	15887
STATE DEMAND	20192	20250	15973
Frequency (Hz)	50.00	50.02	49.91

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.24 Hz at 13:03 Hrs	49.61 Hz at 17:16 Hrs	49.96	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 11/Nov/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	3.48	37.81	150	140	140
Unit 7	3.61	40.02	178	130	150
Total	7.09	77.83			290
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	2.31	2.31	155	0	0
Unit 4	8.16	88.44	480	305	282
Unit 5	7.98	55.16	445	300	329
Total	18.46	145.92			611
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.62	40.18	155	146	150
Unit 6	4.76	49.85	250	189	180
Unit 7	5.02	49.81	250	180	180
Total	13.41	139.84			510
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.48	37.21	154	135	150
Unit 3	3.69	39.23	169	110	160
Unit 4	4.06	43.58	194	160	165
Unit 5	8.26	86.10	450	297	300
Unit 6	8.08	82.40	425	290	300
Unit 7	7.88	80.05	395	271	300
Total	35.45	368.58			1375
Paras					
Unit 3	4.74	51.58	242	174	163
Unit 4	4.64	50.24	228	175	163
Total	9.38	101.82			326
Khaparkheda					
Unit 1	4.04	43.38	180	155	162
Unit 2	3.84	42.36	180	135	162
Unit 3	4.33	45.85	203	171	153
Unit 4	4.31	45.78	190	168	162
Unit 5	10.16	71.42	505	375	395
Total	26.68	248.79			1034
Nasik					
Unit 3	4.12	44.26	195	160	190
Unit 4	3.89	43.59	169	152	190
Unit 5	3.06	30.69	182	0	0
Total	11.07	118.54			380
Uran					
All Units	10.39	110.23	444	422	460
Total	10.39	110.23			460
PENCH (MS)					
Pench (MS)	0.74	7.46	43	0	
Total	0.74	7.46			
Koyna					
Stage 1-2	2.48	26.24	425	40	530
Stage 4	0.23	13.55	135	0	250
Stage 3	0.65	9.20	140	0	240
Kovna 12&4 Total	2.70	39.80			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.35	49.00			1020
Hydro					
KDPH	0.45	3.42	19	18	18
VTRNA	1.09	9.15	61	0	60
TILLARI	0.21	3.92	62	0	64
BHTGR/VEER	0.08	0.94	4	3	4
BHIRA T.R.	0.22	2.24	40	0	40
RNGR+BHTSA	0.38	1.48	16	16	14
BHANDARDRA	0.00	0.80	0	0	0
ELDARY	0.33	3.06	14	13	10
SMLHY PTN	0.81	5.47	42	31	14
GHATGHAR	0.77	9.13	210	0	0
Total	4.34	39.61			224
Wind					
MalharPeth	0.10	1.96			
Vankuswadi	0.22	3.82			
ATIT	0.02	0.45			
Kale	0.06	1.82			
Satara	2.34	35.34			
Shirala	0.09	2.11			
K Mahankal	0.01	0.19			
Supa	0.06	0.70			
Vita	0.38	8.06			
Dondaicha	0.73	4.23			
Sakri	0.12	0.76			
Nandurbar	0.20	2.63			
Khandke	0.20	1.56			
Khaparale	0.11	1.72			
Total	4.63	65.35			
CPP					
JSW JAIGAD	26.85	268.20	1198	1061	1119
WARDHA	2.56	28.33	111	102	110
Adani	60.75	630.57	2610	2400	2420
Other CPPs	20.67	210.09			793
Total	110.84	1137.19			4442
SOLAR					
Total	0.90	11.13			
Total	0.90	11.13			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.76	108.97	501	401	500
Trombay 6	3.74	41.15	157	155	500
Trombay 7A	2.96	32.14	126	120	120
Trombay 7B	1.65	18.05	69	68	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.54	38.38	446	0	447
Total	24.64	238.68			1627
REL					
1&2	11.85	133.14	524	261	500
Total	11.85	133.14			500
Cent Sect					
Share					5944
Total					5944
MS PG CL	Thermal	121.54	1201.32		4526
	Thml+Gas	131.94	1311.56		4986
	Hydro	7.69	88.61		1244
	Total	139.63	1400.17		6230
State Total		293.23	2993.12		18743

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 11/Nov/2014

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	4556	188	440	5184	259	4359	0	4603	4695	-793	-778	13744	86	13830	2143	15973	49.91
2	4515	160	441	5116	248	4350	0	4568	4888	-748	-582	14043	69	14112	1952	16064	49.93
3	4572	123	440	5135	168	4382	0	4542	5124	-722	-465	14367	69	14436	1835	16271	49.96
4	4582	122	444	5148	218	4426	0	4511	4814	-691	-402	14227	69	14296	1773	16069	49.94
5	4677	133	443	5253	241	4393	0	4775	4752	-700	-393	14269	70	14339	1753	16092	49.92
6	4800	193	442	5435	235	4418	0	5085	5436	-745	-462	15085	143	15228	1832	17060	49.86
7	4848	233	443	5524	228	4422	0	5303	5752	-786	-589	15372	477	15849	1963	17812	49.79
8	4933	168	443	5544	218	4457	17	4850	4428	-835	-725	13981	983	14964	2097	17061	49.98
9	5108	203	438	5749	190	4539	59	4842	4637	-893	-1044	14173	643	14816	2375	17191	49.98
10	5136	682	433	6251	193	4610	114	5091	5129	-799	-1045	15295	574	15869	2767	18636	49.90
11	5127	631	422	6180	112	4779	130	5600	5796	-1006	-1284	15756	665	16421	3007	19428	49.96
12	5269	786	423	6478	59	4816	137	5918	6028	-1064	-1301	16260	836	17096	3096	20192	50.00
13	5940	596	424	6960	36	4835	157	5844	5203	-1044	-1284	15949	998	16947	3092	20039	50.01
14	5957	386	426	6769	26	4844	116	5723	5805	-967	-1192	16396	882	17278	2972	20250	50.02
15	5972	264	425	6661	62	4811	77	5819	5774	-975	-1235	16175	637	16812	3017	19829	49.95
16	5182	619	426	6227	99	4808	59	5792	6253	-989	-1250	16221	527	16748	3058	19806	49.88
17	5092	265	424	5781	54	4875	27	5228	5091	-990	-1250	14620	494	15114	3037	18151	49.89
18	5086	194	425	5705	179	4782	4	4841	4632	-1102	-1420	13924	783	14707	2959	17666	49.81
19	5081	376	425	5882	137	4823	0	5042	5203	-1134	-1438	14649	672	15321	2990	18311	49.98
20	5054	383	425	5862	262	4714	0	5032	4856	-1072	-1413	14293	676	14969	2929	17898	50.06
21	5073	352	429	5854	283	4708	0	4683	4302	-1022	-1346	13801	468	14269	2792	17061	50.04
22	4994	263	436	5693	321	4573	0	4289	4229	-1033	-1298	13524	264	13788	2661	16449	50.14
23	5018	189	436	5643	366	4645	0	4011	3773	-954	-1218	13251	136	13387	2544	15931	50.01
24	4972	184	438	5594	440	4470	0	4053	3761	-893	-1169	13138	128	13266	2438	15704	50.04
MUs	121.54	7.69	10.39	139.63	4.63	110.84	0.90	120.04	120.36	-21.96	-24.58	352.51	11.35	363.86	61.08	424.94	49.96

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 11/Nov/2014

Position as on 6.30 Hrs of 12/Nov/2014

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	
Koyna Unit 11	80	23/09/2014	02.30		Continued.	Stator Earth Fault	
Cent_Sect Tarapur 1	160	12/10/2014	22.39		Continued.	Refuelling work.(60Days)	
FORCED OUTAGE							
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	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	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
CPP Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem. (U-1).	
Koradi Unit 5	200	17/06/2014	11.53		Continued.	economic shutdown	
Chandrapur Unit 1	210	28/08/2014	07.15		Continued.	economic shutdown	
Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	Economic shutdown	
Parli Unit 4	210	13/10/2014	10.49		Continued.	Coal Shortage.	
Bhusawal Unit 3	210	27/10/2014	04.58	11/11/2014	04.41	poor coal receipt	
CPP WPCL U-1	135	30/10/2014	00.43		Continued.	ESP Bag Filter Damaged	
CPP IPL U-2	270	30/10/2014	16.16		Continued.	Gen.Diff.Protection operated	
CPP WPCL U-4	135	01/11/2014	00.19		Continued.	Withdrawn	
CPP Adani U-4	660	08/11/2014	00.07	11/11/2014	07.39	Heavy Leakage in Intermediate header drain.	
Nasik Unit 5	210	09/11/2014	11:35	11/11/2014	04.38	E.Tube Leakage.	
Uran Unit 7	108	10/11/2014	12.26		Continued.	Gas shortage	
REL 2	250	11/11/2014	16.56	11/11/2014	18.37	Over Speed protection	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/Nov/2014

Position as on 6.30 Hrs of 12/Nov/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Borivali	10/11/2014	13.30		Continued.	New Towers Erection Work(5 Days).
Tarapur - Boiser	10/11/2014	13.54		Continued.	New Towers Erection Work(5 Days).
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Mapusa-II	10/11/2014	15.55	11/11/2014	08.17	Over Voltage.
Dhule-Sar'Sarovar - I	10/11/2014	20.05	11/11/2014	04.50	Over Voltage.
Kolhapur - Mapusa - I	11/11/2014	17.29		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - I	11/11/2014	16.53	12/11/2014	05.57	Tripped at SSP end only
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik-Navsari -II	10/11/2014	18.03	11/11/2014	12.05	Dist.Prot. B Ph Conductor Snap.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 500MVA ,GT-5 at Deepnagar	22/09/2014	10.50		Continued.	Repl.damaged poles of main CB pole.
400/15.75KV 240MVA GT VII at Koradi	28/10/2014	11.30		Continued.	Erection of new bus post insulator,DCRM,bay maint.
New Koyna - Dabhol - I	05/11/2014	09.05		Continued.	Insulator washing, (RFC from 20.00Hrs)
Akola - Indiabull (Nandgaonpeth)	11/11/2014	12.09	11/11/2014	17.41	Q.M.Work
400/220 KV,500MVA ICT-II at Deepnagar.	11/11/2014	18.26	11/11/2014	20.01	Tan Delta Testing and Collecting Oil Samples
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Apta-Kalwa	05/11/2014	06.57		Continued.	Construction Work.(6 days.)
Kalwa - Taloja	05/11/2014	07.00		Continued.	Construction Work.(6 days.)
Wadkhal-IPCL I	11/11/2014	10.53	11/11/2014	12.35	Insulator replacement work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Kolhapur-II	10/11/2014	17.08	11/11/2014	09.10	Over Voltage.
Bhusawal- Aurangabad	10/11/2014	17.41	11/11/2014	06.01	Over Voltage.
Karad-Jaigad I	10/11/2014	20.08	11/11/2014	09.16	Over Voltage.
Karad - Kolhapur - I	11/11/2014	17.08		Continued.	Over Voltage
Bhusawal- Aurangabad	11/11/2014	18.03	12/11/2014	05.40	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
Parli-II - Hingoli	10/11/2014	22.59	11/11/2014	08.06	Distance Protection Operated Z-I B Ph.
Karad - Sadawaghapur - I	11/11/2014	13.33	11/11/2014	18.19	Distance Protection
Karad - Sadawaghapur - II	11/11/2014	13.33	11/11/2014	14.41	Distance Protection
220/132KV,200MVA ICT-III At Nanded.	11/11/2014	18.16		Continued.	In ICT MB Box Wdg Temp High MCB Caught Fire
Badnera-Amravati	11/11/2014	20.40	11/11/2014	20.55	Distance Protection
Nasik-Padgha	11/11/2014	21.07	11/11/2014	23.18	Tripped on LBB.
220/132KV 150 MVA ICT - III @ Nasik	11/11/2014	21.07	11/11/2014	22.30	Bus Bar Protection Operated.
220/132 KV 200 MVA ICT - V @ Nasik (OCR) New	11/11/2014	21.07	11/11/2014	23.13	Bus Bar Protection Operated.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/Nov/2014

Position as on 6.30 Hrs of 12/Nov/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/132 KV 200 MVA ICT-IV @ Nasik OCR	11/11/2014	21.07	11/11/2014	22.39	Bus Bar Protection Operated.
Voltage Level : 132KV			Outage Type TRIPPED		
Gangakhed - Prabhani	11/11/2014	01.55	11/11/2014	02.08	Distance Protection
Harangul-Chakur	11/11/2014	04.33	11/11/2014	04.42	Distance Protection
132/33 KV 50 MVA T/F - III @ Nasik	11/11/2014	21.07	12/11/2014	00.31	Bus Bar Protection Operated.
Nasik - Takdi	11/11/2014	21.07	11/11/2014	22.48	Bus Bar Protection Operated.
Nasik - Satpur	11/11/2014	21.07	11/11/2014	22.54	Bus Bar Protection Operated.
132/33KV 50 MVA T/F - II @ Nasik	11/11/2014	21.07		Continued.	Bus Bar Protection Operated.
132/6.6KV Stn T/F @ Nasik	11/11/2014	21.07		Continued.	Bus Bar Protection Operated.
Nasik - Sinner	11/11/2014	21.07	11/11/2014	22.47	Bus Bar Protection Operated.
Nasik - Adgaon	11/11/2014	21.07	11/11/2014	23.44	Bus Bar Protection Operated.
132/25 KV 21.6 Rly T/F @ Nasik	11/11/2014	21.07	11/11/2014	23.03	Bus Bar Protection Operated.
132/33 KV 50 MVA T/F - I @ Nasik	11/11/2014	21.07	11/11/2014	22.45	Bus Bar Protection Operated.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 12/Nov/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	130
Unit 7	210	155
	620	285
Bhusawal		
Unit 2	210	0
Unit 3	210	140
Unit 4	500	318
Unit 5	500	310
	1420	768
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	157
Unit 6	250	190
Unit 7	250	195
	1130	542
Chandrapur		
Unit 1	210	0
Unit 2	210	160
Unit 3	210	160
Unit 4	210	160
Unit 5	500	300
Unit 6	500	300
Unit 7	500	300
	2340	1380
Paras		
Unit 3	250	180
Unit 4	250	180
	500	360
Khaparkheda		
Unit 1	210	162
Unit 2	210	162
Unit 3	210	153
Unit 4	210	162
Unit 5	500	397
	1340	1036
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	530
Stage 4	1000	250
Stage 3	320	240
	1920	1020
Hydro		
KDPH	40	18
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	61
BHTGR/VEER	21	4
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	11
SMLHY PTN	12	15
GHATGHAR	250	0
	611	224
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	1119
WARDHA	405	110
Adani	2640	2645
Other CPPs	300	745
	4545	4619
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	6010
	3455	6010