



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

State Load Dispatch Center, Airoli

Daily system Report

for

06/Nov/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 06/Nov/2014 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	104.374	617.459	1) Gujrat	7.568	37.290
2) Hydro	8.894	55.278	2) Madhya Pradesh	18.263	103.877
3) Gas	10.505	59.507	3) Chattisgarh	10.430	59.900
Total MSGENCO	123.773	732.244	4) Maharashtra Net	100.307	614.333
B) 1) JSW JAIGAD	22.281	135.608	(Incl. 765kV Solapur-Raichur)	-11.099	-52.181
2) WPCL	2.695	15.456	5) Goa	-7.570	-41.428
3) ADANI	62.250	343.840	6) TAPS 1&2 Injection	3.622	19.586
4) Other CPP / IPP	19.177	113.151	7) RGPPL Injection	0.000	0.000
5) Wind Generation	4.504	35.532	8) Pench (Excess)	-0.572	-4.322
6) PENCH (MS)	0.572	4.322			
7) SOLAR	1.176	6.151	# Total Cent. Sector	132.048	789.236
C) 1) TPCL Thermal	19.761	106.823	F) Other Exchanges		
2) TPCL Hydro	3.929	21.064	1) With TPCL (Excess)	-22.358	-135.093
TOTAL TPCL	23.690	127.887	G) Bilateral Power *		
3) REL Thermal	12.501	74.085	1) MSEDCL Bilateral	36.476	211.891
D) STATE			Include PX	10.819	64.901
1) Thermal (A1+C1+C3)	136.636	798.367	2) MUMBAI Bilateral	22.817	131.936
2) Hydro (A2+B6+C2)	13.395	80.664	Include PX	3.852	19.200
3) Gas (A3)	10.505	59.507	3) MUMBAI Schedule	22.817	131.997
4) Wind (B5)	4.504	35.532	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	106.403	608.055	1) MSEDCL	346.118	2040.447
6) SOLAR (B7)	1.176	6.151	2) TPCL	35.616	204.197
TOTAL STATE	272.619	1588.276	3) REL	23.033	132.971
			TOTAL STATE	404.767	2377.615

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 1 Hrs
MSGENCO Thermal	4685	4778	4322
MSGENCO Hydro	920	749	218
MSGENCO Gas	418	410	456
MSGENCO Total Generation	6023	5937	4996
Central Sector Receipt	6617	6410	4915
WIND	67	88	192
CPP / IPP	4515	4475	4355
SOLAR	190	148	0
Exchange with Mumbai	-1194	-1157	-868
MSEDCL DEMAND MET	16268	15912	13600
Load Shedding	1159	932	124
MSEDCL DEMAND	17427	16844	13724
TPCL GENERATION	1171	1110	789
R-INFRA GENERATION	521	521	522
TPCL+R-INFRA DEMAND	2886	2788	2179
STATE DEMAND MET	19154	18700	15779
STATE DEMAND	20313	19632	15903
Frequency (Hz)	49.95	50.00	49.90

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.2 Hz at 21.48 Hrs	49.61 Hz at 17.27 Hrs	49.93	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 06/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	20.87	160	100	145
Unit 7	4.00	21.57	180	145	170
Total	7.48	42.44			315
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	0.00	0	0	0
Unit 4	8.28	47.96	490	305	300
Unit 5	5.34	15.49	335	0	320
Total	13.62	63.45			620
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.73	21.93	166	148	157
Unit 6	4.55	27.67	215	161	180
Unit 7	3.13	25.61	205	0	180
Total	11.41	75.22			517
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.63	19.47	158	145	150
Unit 3	3.50	21.51	160	125	160
Unit 4	3.88	23.59	178	129	165
Unit 5	7.71	45.88	440	292	300
Unit 6	7.40	43.86	385	285	300
Unit 7	7.17	42.64	363	267	300
Total	33.29	196.95			1375
Paras					
Unit 3	4.72	27.57	240	176	180
Unit 4	4.66	27.01	236	170	180
Total	9.37	54.58			360
Khaparkheda					
Unit 1	4.04	23.61	200	155	170
Unit 2	4.02	23.20	180	160	170
Unit 3	4.29	24.66	193	169	170
Unit 4	4.30	24.71	205	170	170
Unit 5	0.45	22.73	129	0	0
Total	17.10	118.90			680
Nasik					
Unit 3	3.98	24.26	175	160	190
Unit 4	4.11	23.87	192	163	190
Unit 5	4.02	17.80	183	160	190
Total	12.11	65.93			570
Uran					
All Units	10.50	59.51	461	410	430
Total	10.50	59.51			430
PENCH (MS)					
Pench (MS)	0.57	4.32	53	0	
Total	0.57	4.32			
Koyna					
Stage 1-2	2.14	16.80	335	40	530
Stage 4	2.66	11.77	480	0	250
Stage 3	1.03	6.36	160	0	240
Kovna 12&4 Total	4.79	28.58			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	5.82	34.94			1020
Hydro					
KDPH	0.45	1.19	19	18	18
VTRNA	0.19	5.29	61	0	60
TILLARI	0.42	2.19	64	0	62
BHTGR/VEER	0.00	0.50	0	0	6
BHIRA T.R.	0.16	1.17	80	0	80
RNGR+BHTSA	0.00	0.71	0	0	15
BHANDARDRA	0.47	0.57	20	19	0
ELDARY	0.34	1.37	15	12	15
SMLHY PTN	0.28	1.79	12	11	10
GHATGHAR	0.78	5.56	125	0	0
Total	3.07	20.34			266
Wind					
MalharPeth	0.08	1.27			
Vankuswadi	0.14	2.35			
ATIT	0.02	0.27			
Kale	0.08	1.28			
Satara	1.96	19.36			
Shirala	0.13	1.27			
K Mahankal	0.02	0.11			
Supa	0.09	0.43			
Vita	0.61	4.78			
Dondaicha	0.59	1.49			
Sakri	0.13	0.29			
Nandurbar	0.45	1.25			
Khandke	0.14	0.67			
Khaparale	0.07	0.72			
Total	4.50	35.53			
CPP					
JSW JAIGAD	22.28	135.61	980	865	855
WARDHA	2.70	15.46	151	108	110
Adani	62.25	343.84	2610	2580	2645
Other CPPs	19.18	113.15			745
Total	106.40	608.06			4355
SOLAR					
Total	1.18	6.15			
Total	1.18	6.15			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.41	57.10	500	383	500
Trombay 6	3.74	22.42	157	155	500
Trombay 7A	2.96	17.48	127	119	120
Trombay 7B	1.65	9.83	70	68	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.93	21.06	366	0	447
Total	23.69	127.89			1627
REL					
1&2	12.50	74.08	523	519	500
Total	12.50	74.08			500
Cent Sect					
Share					6844
Total					6844
MS PG CL	Thermal	104.37	617.46		4437
	Thml+Gas	114.88	676.97		4867
	Hydro	8.89	55.28		1286
	Total	123.77	732.24		6153
State Total		272.62	1588.28		19479

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 06/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	4322	218	456	4996	192	4355	0	4759	4915	-797	-868	13600	124	13724	2179	15903	49.90
2	4330	118	459	4907	213	4329	0	5011	5124	-746	-643	13934	213	14147	1992	16139	49.93
3	4341	103	458	4902	230	4291	0	5035	5031	-723	-555	13899	216	14115	1898	16013	49.92
4	4335	103	460	4898	264	4324	0	5025	4894	-709	-515	13865	227	14092	1842	15934	49.94
5	4367	108	460	4935	200	4316	0	5127	5128	-713	-511	14068	288	14356	1813	16169	49.83
6	4378	107	461	4946	200	4321	0	5415	5654	-735	-543	14586	561	15147	1877	17024	49.86
7	4144	197	460	4801	236	4318	1	5329	5388	-770	-556	14213	1090	15303	1925	17228	49.92
8	4027	230	460	4717	277	4476	27	5042	4985	-906	-674	13834	1099	14933	2048	16981	49.93
9	4067	178	450	4695	204	4492	77	5129	5022	-930	-861	13656	954	14610	2309	16919	49.93
10	4153	518	437	5108	138	4481	114	6026	5799	-929	-941	14746	720	15466	2611	18077	49.90
11	4096	836	428	5360	83	4529	172	6460	6490	-1115	-1172	15512	783	16295	2849	19144	49.94
12	4281	1217	425	5923	55	4489	146	6769	6759	-1158	-1189	16233	943	17176	2889	20065	49.98
13	4685	920	418	6023	67	4515	190	6511	6617	-1146	-1194	16268	1159	17427	2886	20313	49.95
14	4778	749	410	5937	88	4475	148	6384	6410	-1106	-1157	15912	932	16844	2788	19632	50.00
15	4785	668	415	5868	80	4505	149	6781	6509	-1129	-1123	16014	649	16663	2837	19500	49.89
16	4319	657	420	5396	91	4505	92	6807	6658	-1128	-1163	15602	512	16114	2875	18989	49.87
17	4208	244	425	4877	103	4509	50	6734	6042	-1106	-1172	14442	473	14915	2822	17737	49.88
18	4219	109	426	4754	185	4513	10	5695	5333	-1064	-1060	13788	472	14260	2791	17051	49.80
19	4227	474	425	5126	280	4546	0	5584	5920	-1119	-1151	14746	241	14987	2848	17835	49.93
20	4334	493	424	5251	291	4500	0	5337	5139	-984	-1161	14030	433	14463	2810	17273	49.94
21	4482	254	424	5160	329	4416	0	5047	5170	-939	-1041	14044	369	14413	2618	17031	50.01
22	4524	123	424	5071	247	4395	0	4998	4616	-972	-1151	13189	246	13435	2515	15950	50.08
23	4467	105	441	5013	235	4394	0	4697	4410	-963	-1102	13001	126	13127	2380	15507	49.96
24	4505	165	439	5109	216	4409	0	4469	4035	-928	-855	12936	114	13050	2147	15197	49.91
MUs	104.37	8.89	10.50	123.77	4.50	106.40	1.18	134.17	132.05	-22.82	-22.36	346.12	12.94	359.06	58.55	417.61	49.93

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 06/Nov/2014

Position as on 6.30 Hrs of 07/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.	
Uran Unit 6	108	24/10/2014	15.58		Continued.	gas shortage	
Bhusawal Unit 3	210	27/10/2014	04.58		Continued.	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 JSW (J) U4	300	01/11/2014	05.42	06/11/2014	18.09	Feed Water Line Leakage.	
Khaparkheda Unit 5	500	03/11/2014	10.57	06/11/2014	19.22	Electrical Fault.	
Bhusawal Unit 5	500	06/11/2014	06.18	06/11/2014	08.12	Flame Failure.	
Bhusawal Unit 5	500	06/11/2014	08.22	06/11/2014	09.27	RPP Operated	
Bhusawal Unit 5	500	06/11/2014	10.01	06/11/2014	12.40	Tripped While shifting Load from Aux T/F to Strn.T/F	
Parli Unit 7	250	06/11/2014	12.15	06/11/2014	19.25	Tripped	
Koyna Unit 6	75	07/11/2014	00.30	07/11/2014	05.55	Generator Cooler leakage	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 06/Nov/2014

Position as on 6.30 Hrs of 07/Nov/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Karad - Solapur (PGCIL)	24/10/2014	10.47		Continued.	Gantry Erection Work.
Dhule-Sar'Sarovar - II	05/11/2014	10.01		Continued.	Relay testing work.RFC at 19.20Hrs.
Akola - Aurangabad(PG)-II	06/11/2014	16.29	06/11/2014	17.15	To Take Line Reactor in service
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	05/11/2014	21.14	06/11/2014	08.14	Over Voltage.
Kolhapur - Mapusa - II	06/11/2014	17.17		Continued.	Over Voltage
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)
Jejuri-Koyna STG-IV	06/11/2014	05.07		Continued.	Repl.of Tension Disc Insulator String
Jejuri-Koyna STG-IV	06/11/2014	05.30	06/11/2014	12.17	Repl.of tension disc insulator string.
400/220KV 315MVA ICT-II @ BBSLR	06/11/2014	17.13	06/11/2014	19.25	Hot Spot
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Apta-Kalwa	05/11/2014	06.57	05/11/2014	Continued.	Construction Work.(6 days.)
Kalwa - Taloja	05/11/2014	07.00		Continued.	Construction Work.(6 days.)
Pophali-New Koyna	06/11/2014	08.05	06/11/2014	17.50	P.M.Work
Mulund-Trombay	06/11/2014	08.34	06/11/2014	17.37	CT Oil Leakage
Apta-HOC	06/11/2014	10.38	06/11/2014	16.08	Hot Spot
Halkarni - Hemres	06/11/2014	11.30	06/11/2014	16.53	Maint.Work
Bhosari-C'enka	06/11/2014	12.40	06/11/2014	16.31	Maint.work
Kalwa-Colourchem	06/11/2014	17.38	06/11/2014	18.02	Distance Protection
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	05/11/2014	20.03	06/11/2014	06.01	Over Voltage.
Karad - Kolhapur - I	05/11/2014	20.28	06/11/2014	08.47	Over Voltage.
Karad-Jaigad I	05/11/2014	23.46	06/11/2014	08.51	Over Voltage.
Bhusawal- Aurangabad	06/11/2014	17.56		Continued.	Over Voltage
Karad-Kolhapur-II	06/11/2014	20.55		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV,315 MVA ICT-I at New Koyna.	06/11/2014	20.20		Continued.	Buchholz Trip
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
Chandrapur MIDC-Gadhchandur-Matardevi	05/11/2014	23.58	06/11/2014	00.15	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Elichpur - Hingoli	06/11/2014	13.18	06/11/2014	16.37	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 07/Nov/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	150
	620	290
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	300
Unit 5	500	320
	1420	620
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	151
Unit 6	250	185
Unit 7	250	185
	1130	521
Chandrapur		
Unit 1	210	0
Unit 2	210	150
Unit 3	210	160
Unit 4	210	165
Unit 5	500	300
Unit 6	500	300
Unit 7	500	300
	2340	1375
Paras		
Unit 3	250	180
Unit 4	250	180
	500	360
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
Unit 5	500	360
	1340	1040
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	460
	852	460
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	64
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	13
SMLHY PTN	12	12
GHATGHAR	250	0
	611	247
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	1057
WARDHA	405	110
Adani	2640	2645
Other CPPs	300	745
	4545	4557
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	6493
	3455	6493

	21940	19680
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