



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

State Load Dispatch Center, Airoli

Daily system Report

for

17/Nov/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 17/Nov/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	115.278	1892.958	1) Gujrat	-5.296	81.982
2) Hydro	6.872	129.331	2) Madhya Pradesh	13.555	264.113
3) Gas	9.213	163.328	3) Chattisgarh	7.730	152.320
Total MSGENCO	131.363	2185.617	4) Maharashtra Net	88.069	1608.778
B) 1) JSW JAIGAD	24.779	420.384	(Incl. 765kV Solapur-Raichur)	-8.884	-175.769
2) WPCL	2.647	44.082	5) Goa	-6.189	-116.631
3) ADANI	53.740	970.020	6) TAPS 1&2 Injection	3.653	59.617
4) Other CPP / IPP	20.772	325.584	7) RGPPL Injection	0.000	0.000
5) Wind Generation	3.041	118.559	8) Pench (Excess)	-0.258	-9.926
6) PENCH (MS)	0.258	9.926			
7) SOLAR	1.039	16.087	# Total Cent. Sector	101.264	2040.253
C) 1) TPCL Thermal	16.955	306.579	F) Other Exchanges		
2) TPCL Hydro	4.143	59.127	1) With TPCL (Excess)	-28.611	-403.372
TOTAL TPCL	21.098	365.706	G) Bilateral Power *		
3) REL Thermal	11.289	204.130	1) MSEDCL Bilateral	20.010	528.328
D) STATE			Include PX	-4.441	95.272
1) Thermal (A1+C1+C3)	143.522	2403.667	2) MUMBAI Bilateral	22.095	366.271
2) Hydro (A2+B6+C2)	11.273	198.384	Include PX	4.148	65.985
3) Gas (A3)	9.213	163.328	3) MUMBAI Schedule	22.095	366.816
4) Wind (B5)	3.041	118.559	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	101.938	1760.070	1) MSEDCL	310.292	5727.140
6) SOLAR (B7)	1.039	16.087	2) TPCL	37.061	589.115
TOTAL STATE	270.026	4660.095	3) REL	23.937	384.207
			TOTAL STATE	371.290	6700.462

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4998	4833	4714
MSGENCO Hydro	324	634	87
MSGENCO Gas	386	350	454
MSGENCO Total Generation	5708	5817	5255
Central Sector Receipt	5042	5388	2262
WIND	90	69	199
CPP / IPP	4228	4182	4273
SOLAR	177	0	0
Exchange with Mumbai	-1404	-1318	-820
MSEDCL DEMAND MET	13875	14148	11169
Load Shedding	152	153	62
MSEDCL DEMAND	14027	14301	11231
TPCL GENERATION	1185	1158	644
R-INFRA GENERATION	449	462	448
TPCL+R-INFRA DEMAND	3038	2938	1912
STATE DEMAND MET	16913	17086	13081
STATE DEMAND	17065	17239	13143
Frequency (Hz)	49.94	49.98	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 19.38 Hrs	49.63 Hz at 18:11 Hrs	50	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 17/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	3.35	58.11	150	125	130
Unit 7	3.05	60.75	160	100	120
Total	6.40	118.86			250
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.32	22.72	160	130	125
Unit 4	7.68	136.36	380	300	282
Unit 5	7.64	102.42	370	300	282
Total	18.64	261.51			689
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.59	61.60	163	135	150
Unit 6	4.85	77.07	250	188	190
Unit 7	4.80	77.20	225	191	190
Total	13.24	215.87			530
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.39	57.46	147	136	150
Unit 3	0.00	42.49	0	0	0
Unit 4	4.00	67.34	175	154	170
Unit 5	8.71	137.66	375	320	370
Unit 6	8.44	132.91	370	330	370
Unit 7	8.59	128.72	374	337	370
Total	33.13	566.58			1430
Paras					
Unit 3	4.56	78.70	224	176	180
Unit 4	4.50	77.11	206	178	180
Total	9.06	155.81			360
Khaparkheda					
Unit 1	3.22	64.75	150	115	162
Unit 2	3.25	62.74	150	125	162
Unit 3	3.47	68.26	161	137	153
Unit 4	3.48	68.09	153	141	162
Unit 5	9.45	127.63	424	370	396
Total	22.87	391.47			1035
Nasik					
Unit 3	4.03	68.44	185	165	190
Unit 4	3.93	59.69	170	159	190
Unit 5	3.98	54.73	180	160	190
Total	11.94	182.86			570
Uran					
All Units	9.21	163.33	455	288	470
Total	9.21	163.33			470
PENCH (MS)					
Pench (MS)	0.26	9.93	46	0	
Total	0.26	9.93			
Koyna					
Stage 1-2	2.74	36.98	365	40	600
Stage 4	0.08	15.45	78	0	250
Stage 3	0.15	11.52	92	0	240
Kovna 12&4 Total	2.82	52.44			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.98	63.95			1090
Hydro					
KDPH	0.00	4.60	0	0	
VTRNA	1.10	15.79	61	0	61
TILLARI	0.38	6.01	64	0	64
BHTGR/VEER	0.07	1.39	4	3	3
BHIRA T.R.	0.10	3.52	40	0	40
RNGR+BHTSA	0.00	3.03	0	0	
BHANDARDRA	0.00	0.80	0	0	0
ELDARY	0.34	5.04	15	12	
SMLHY PTN	0.64	9.75	35	24	25
GHATGHAR	1.26	15.45	182	0	
Total	3.90	65.38			193
Wind					
MalharPeth	0.14	3.99			
Vankuswadi	0.33	7.92			
ATIT	0.02	0.83			
Kale	0.02	3.18			
Satara	1.63	62.46			
Shirala	0.18	4.81			
K Mahankal	0.00	0.30			
Supa	0.09	1.18			
Vita	0.30	14.18			
Dondaicha	0.15	9.04			
Sakri	0.00	1.32			
Nandurbar	0.07	3.74			
Khandke	0.06	2.58			
Khaparale	0.05	3.02			
Total	3.04	118.56			
CPP					
JSW JAIGAD	24.78	420.38	1181	977	1083
WARDHA	2.65	44.08	112	108	110
Adani	53.74	970.02	2590	2090	2645
Other CPPs	20.77	322.05			745
Total	101.94	1756.54			4583
SOLAR					
Total	1.04	16.09			
Total	1.04	16.09			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.82	169.12	479	315	500
Trombay 6	3.73	63.78	160	154	500
Trombay 7A	2.04	46.75	115	67	120
Trombay 7B	1.37	26.92	66	51	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.14	59.13	457	0	447
Total	21.10	365.71			1627
REL					
1&2	11.29	204.13	518	446	500
Total	11.29	204.13			500
Cent Sect					
Share					4901
Total					4901
MS PG CL	Thermal	115.28	1892.96		4864
	Thml+Gas	124.49	2056.29		5334
	Hydro	6.87	129.33		1283
	Total	131.36	2185.62		6617
State Total		270.03	4660.10		18228

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 17/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	4719	144	406	5269	244	4049	0	2982	3461	-765	-1000	12023	91	12114	2093	14207	50.04
2	4717	82	451	5250	261	4098	0	2872	3091	-710	-883	11817	62	11879	1977	13856	49.99
3	4730	86	452	5268	231	4271	0	2879	2932	-692	-844	11858	62	11920	1937	13857	50.05
4	4714	87	454	5255	199	4273	0	2879	2262	-692	-820	11169	62	11231	1912	13143	50.03
5	4681	86	454	5221	194	4213	0	2981	2961	-692	-823	11766	63	11829	1916	13745	50.01
6	4700	81	454	5235	206	4215	0	3642	3610	-716	-863	12407	72	12479	1957	14436	49.95
7	4691	120	455	5266	200	4179	0	4314	4487	-766	-933	13210	117	13327	2031	15358	49.94
8	4716	362	430	5508	189	4164	15	3916	4198	-737	-997	13088	108	13196	2154	15350	49.95
9	4755	193	388	5336	130	4511	48	3911	3478	-771	-1039	12475	100	12575	2378	14953	50.01
10	4781	223	394	5398	98	4703	108	4412	4402	-862	-1296	13424	96	13520	2727	16247	49.98
11	4680	213	396	5289	98	4409	147	4820	5217	-1048	-1519	13652	82	13734	2992	16726	49.96
12	4730	383	386	5499	91	4264	159	4882	5207	-1117	-1478	13742	85	13827	3068	16895	50.02
13	4998	324	386	5708	90	4228	177	4873	5042	-1102	-1404	13875	152	14027	3038	17065	49.94
14	5060	267	385	5712	88	4216	137	4823	5117	-1036	-1388	13928	91	14019	2943	16962	49.96
15	5053	309	385	5747	90	4026	120	4828	5338	-1038	-1379	13983	80	14063	2997	17060	49.96
16	4827	375	359	5561	89	3968	82	4844	5305	-1049	-1364	13670	80	13750	3008	16758	49.96
17	4820	337	358	5515	95	4090	40	4335	5099	-1035	-1349	13516	82	13598	2968	16566	49.96
18	4800	602	346	5748	75	4109	6	4339	4424	-995	-1327	13048	109	13157	2916	16073	49.96
19	4833	634	350	5817	69	4182	0	4867	5388	-1058	-1318	14148	153	14301	2938	17239	49.98
20	4855	614	360	5829	83	4333	0	4705	4247	-1117	-1347	13145	477	13622	2870	16492	50.16
21	4865	466	288	5619	56	4285	0	4269	4403	-1145	-1386	12977	283	13260	2702	15962	50.05
22	4840	470	290	5600	61	4366	0	3606	4106	-1116	-1286	12847	177	13024	2569	15593	50.09
23	4880	287	293	5460	54	4347	0	3856	3784	-967	-1271	12374	106	12480	2493	14973	50.05
24	4833	127	293	5253	50	4439	0	4013	3705	-868	-1297	12150	106	12256	2414	14670	50.03
MUs	115.28	6.87	9.21	131.36	3.04	101.94	1.04	97.85	101.26	-22.09	-28.61	310.29	2.90	313.19	61.00	374.19	50.00

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 17/Nov/2014

Position as on 6.30 Hrs of 18/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	
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.	
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	
Uran Unit 5	108	12/11/2014	14.19		Continued.	Gas shortage.	
Chandrapur Unit 3	210	12/11/2014	20.58		Continued.	Coal Shortage.	
CPP WPCL U-3	135	15/11/2014	00.01		Continued.	ID fan vibration high problem	
Tata Trombay 8	250	16/11/2014	22.06		Continued.	Turbine Vibration High	
Uran Unit 7	108	17/11/2014	17.16		Continued.	Gas Shortage.	
Chandrapur Unit 7	500	18/11/2014	04.45		Continued.	High drum level.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/Nov/2014

Position as on 6.30 Hrs of 18/Nov/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
765 KV Wardha PG - Seoni - I.	15/11/2014	12.18		Continued.	maintance work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	15/11/2014	17.01	17/11/2014	09.51	over voltage
Kolhapur - Mapusa - I	16/11/2014	15.50	17/11/2014	10.21	Over Voltage.
Kolhapur - Mapusa - I	17/11/2014	16.40		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	17/11/2014	17.53		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	18/11/2014	00.13		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur-Solapur (PG) II	16/11/2014	00.00	17/11/2014	09.06	over voltage
Dabhol-Nagothane - II	16/11/2014	00.00	17/11/2014	08.48	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.
New Koyna - Dabhol - I	05/11/2014	09.05		Continued.	Insulator washing, (RFC from 20.00Hrs)
400/220 KV 315 MVA ICT-II @ Nagothane.	12/11/2014	13.02		Continued.	Shifted to TBC for BKR overloading.(2Days).
Warora- Tirora -II	17/11/2014	15.22	17/11/2014	17.39	Red hot spot attending work.
Warora-Tiroda-I	17/11/2014	17.58	17/11/2014	21.36	Red hot spot attending work.
Chandrapur-II - Warora - I	17/11/2014	18.36	17/11/2014	21.30	Red hot spot attending work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chikhali - Jalna - I	17/11/2014	08.40	17/11/2014	19.46	For balance rectification work.
220/110KV, 200MVA T/F-III at Mudshingi	17/11/2014	09.00		Continued.	To repl.BKR pole,Taken on TBC.
Mudsinghi - Mumewadi - I	17/11/2014	09.31	17/11/2014	14.39	Lilo arrangement at Belwadi Kalamma.
Paras - Akola - I	17/11/2014	11.01	17/11/2014	17.49	Q.M.Work
220/132 KV 200 MVA ,ICT -1 at Kanhan	17/11/2014	11.05	17/11/2014	19.36	Measurement of tan delta.
Uran-Kharghar-II	17/11/2014	11.16	17/11/2014	14.26	On TBC,to test timing of CB at Kharghar end.
Lote - N.Koyna	17/11/2014	13.14	17/11/2014	16.56	Shifted on TBC,to attend hot spot on R-Ph.
220/66KV 150 MVA ICT- II @ Gadchandur	17/11/2014	13.40	17/11/2014	17.30	For crimping of LV CB Jumper.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV,500 MVA ICT-III at Kolhapur	04/11/2014	18.10	17/11/2014	23.06	Due Abnormal DGA Result assuged BY MFG (Charge From LV Side kept on Humming).
Karad-Jaigad I	15/11/2014	20.21		Continued.	over voltage
Padgha - Nagothane - I	16/11/2014	00.03		Continued.	over voltage
Karad - Kolhapur - II	16/11/2014	15.43	17/11/2014	10.23	Over Voltage.
Lonikand- Koyna Stage IV	16/11/2014	21.56	17/11/2014	07.56	Over Voltage.
Padgha - Nagothane- II	17/11/2014	01.10	17/11/2014	08.19	Over Voltage.
Karad - Kolhapur - I	17/11/2014	16.12		Continued.	Over Voltage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/Nov/2014

Position as on 6.30 Hrs of 18/Nov/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Bhusawal- Aurangabad	17/11/2014	17.55		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	18/11/2014	00.01	18/11/2014	06.50	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Talegaon PG - Aurangabad - II	18/11/2014	05.26		Continued.	Dist Prot.
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
Bus Section - I @ Pedambe	17/11/2014	19.45	17/11/2014	20.20	While H/T of U-10,Y-Ph pole of BKR did not open hence LBB Optd.
Pedambe - Mahad	17/11/2014	19.45	17/11/2014	20.27	Due to LBB Optd.
Pedambe-Pophali I	17/11/2014	19.45	17/11/2014	20.23	Due to LBB Optd.
Pedambe-Newkoyna	17/11/2014	19.45	17/11/2014	20.30	Due to LBB Optd.
Hingoli-Girawali	18/11/2014	02.13		Continued.	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 18/Nov/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	155
	620	295
Bhusawal		
Unit 2	210	0
Unit 3	210	140
Unit 4	500	300
Unit 5	500	300
	1420	740
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	150
Unit 6	250	190
Unit 7	250	190
	1130	530
Chandrapur		
Unit 1	210	0
Unit 2	210	150
Unit 3	210	0
Unit 4	210	190
Unit 5	500	400
Unit 6	500	400
Unit 7	500	0
	2340	1140
Paras		
Unit 3	250	180
Unit 4	250	180
	500	360
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	170
Unit 4	210	180
Unit 5	500	420
	1340	1130
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	240
	1920	1090
Hydro		
KDPH	40	0
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	4
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	24
GHATGHAR	250	0
	611	193
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	1085
WARDHA	405	110
Adani	2640	2645
Other CPPs	300	745
	4545	4585
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	4982
	3455	4982