



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

State Load Dispatch Center, Airoli

Daily system Report

for

16/Nov/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 16/Nov/2014 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	114.708	1777.680	1) Gujrat	-4.493	87.278
2) Hydro	5.896	122.459	2) Madhya Pradesh	13.606	250.558
3) Gas	10.876	154.115	3) Chattisgarh	7.320	144.590
Total MSGENCO	131.480	2054.254	4) Maharashtra Net	77.470	1520.709
B) 1) JSW JAIGAD	24.072	395.605	(Incl. 765kV Solapur-Raichur)	-10.344	-166.885
2) WPCL	2.601	41.435	5) Goa	-6.154	-110.442
3) ADANI	54.100	916.280	6) TAPS 1&2 Injection	3.687	55.964
4) Other CPP / IPP	17.734	304.812	7) RGPPL Injection	0.000	0.000
5) Wind Generation	4.539	115.518	8) Pench (Excess)	-0.258	-9.668
6) PENCH (MS)	0.258	9.668	# Total Cent. Sector	91.178	1938.989
7) SOLAR	0.659	15.048	F) Other Exchanges		
C) 1) TPCL Thermal	16.098	289.624	1) With TPCL (Excess)	-21.571	-374.761
2) TPCL Hydro	0.433	54.984	G) Bilateral Power *		
TOTAL TPCL	16.531	344.608	1) MSEDCL Bilateral	22.739	508.318
3) REL Thermal	11.150	192.841	Include PX	-2.873	99.713
D) STATE			2) MUMBAI Bilateral	16.245	344.176
1) Thermal (A1+C1+C3)	141.956	2260.145	Include PX	2.140	61.837
2) Hydro (A2+B6+C2)	6.587	187.111	3) MUMBAI Schedule	16.245	344.721
3) Gas (A3)	10.876	154.115	H) ENERGY CATERED (MUs)		
4) Wind (B5)	4.539	115.518	1) MSEDCL	305.050	5416.848
5) CPP/IPP (B1+B2+B3+B4)	98.507	1658.132	2) TPCL	29.263	552.054
6) SOLAR (B7)	0.659	15.048	3) REL	19.989	360.270
TOTAL STATE	263.124	4390.069	TOTAL STATE	354.302	6329.172

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4984	4811	4704
MSGENCO Hydro	404	333	72
MSGENCO Gas	453	448	471
MSGENCO Total Generation	5841	5592	5247
Central Sector Receipt	4319	4930	2628
WIND	252	95	272
CPP / IPP	4352	4091	3974
SOLAR	142	0	0
Exchange with Mumbai	-979	-978	-719
MSEDCL DEMAND MET	13961	13740	11402
Load Shedding	124	64	55
MSEDCL DEMAND	14085	13804	11457
TPCL GENERATION	668	780	648
R-INFRA GENERATION	515	445	453
TPCL+R-INFRA DEMAND	2162	2203	1820
STATE DEMAND MET	16123	15943	13222
STATE DEMAND	16247	16007	13277
Frequency (Hz)	49.99	50.05	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.4 Hz at 06.03 Hrs	49.7 Hz at 22.07 Hrs	50.04	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 16/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	3.37	54.76	155	127	130
Unit 7	3.43	57.70	160	125	150
Total	6.81	112.46			280
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.30	19.41	155	130	140
Unit 4	7.70	128.68	390	300	300
Unit 5	7.64	94.78	385	290	300
Total	18.62	242.87			740
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.62	58.01	155	140	152
Unit 6	4.64	72.22	204	189	188
Unit 7	4.64	72.40	208	189	188
Total	12.90	202.63			528
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.41	54.07	148	134	140
Unit 3	0.00	42.49	0	0	0
Unit 4	3.86	63.34	168	155	160
Unit 5	8.69	128.95	370	350	370
Unit 6	8.53	124.47	366	325	370
Unit 7	7.29	120.13	346	240	250
Total	31.79	533.45			1290
Paras					
Unit 3	4.50	74.14	195	178	180
Unit 4	4.55	72.61	201	180	180
Total	9.05	146.75			360
Khaparkheda					
Unit 1	3.60	61.52	165	135	180
Unit 2	3.56	59.49	165	130	180
Unit 3	3.70	64.79	163	142	170
Unit 4	3.72	64.61	169	142	180
Unit 5	9.07	118.18	392	370	420
Total	23.66	368.60			1130
Nasik					
Unit 3	3.99	64.41	175	160	190
Unit 4	3.93	55.76	168	158	190
Unit 5	3.95	50.75	169	160	190
Total	11.87	170.92			570
Uran					
All Units	10.88	154.12	471	439	455
Total	10.88	154.12			455
PENCH (MS)					
Pench (MS)	0.26	9.67	46	0	0
Total	0.26	9.67			0
Koyna					
Stage 1-2	1.18	34.24	120	40	600
Stage 4	0.15	15.37	121	0	250
Stage 3	0.65	11.36	142	0	240
Kovna 12&4 Total	1.33	49.61			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.97	60.98			1090
Hydro					
KDPH	0.00	4.60	0	0	0
VTRNA	1.08	14.69	61	0	61
TILLARI	0.33	5.63	64	0	64
BHTGR/VEER	0.07	1.32	4	3	5
BHIRA T.R.	0.09	3.42	40	0	40
RNGR+BHTSA	0.00	3.03	0	0	15
BHANDARDRA	0.00	0.80	0	0	0
ELDARY	0.34	4.70	15	11	15
SMLHY PTN	0.43	9.11	26	15	10
GHATGHAR	1.58	14.19	250	0	0
Total	3.92	61.48			210
Wind					
MalharPeth	0.18	3.85			
Vankuswadi	0.42	7.59			
ATIT	0.03	0.81			
Kale	0.15	3.16			
Satara	2.56	60.83			
Shirala	0.27	4.63			
K Mahankal	0.00	0.29			
Supa	0.02	1.09			
Vita	0.42	13.88			
Dondaicha	0.24	8.89			
Sakri	0.00	1.31			
Nandurbar	0.06	3.68			
Khandke	0.08	2.52			
Khaparale	0.10	2.98			
Total	4.54	115.52			
CPP					
JSW JAIGAD	24.07	395.60	1030	935	1046
WARDHA	2.60	41.44	113	104	110
Adani	54.10	916.28	2510	2120	2645
Other CPPs	14.20	301.28			745
Total	94.98	1654.60			4546
SOLAR					
Total	0.66	15.05			
Total	0.66	15.05			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	8.07	159.31	376	314	500
Trombay 6	3.72	60.05	156	154	500
Trombay 7A	2.75	44.71	115	112	120
Trombay 7B	1.57	25.55	66	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	0.43	54.98	126	0	447
Total	16.53	344.61			1627
REL					
1&2	11.15	192.84	516	445	500
Total	11.15	192.84			500
Cent Sect					
Share					4298
Total					4298
MS PG CL	Thermal	114.71	1777.68		4898
	Thml+Gas	125.58	1931.80		5353
	Hydro	5.90	122.46		1300
	Total	131.48	2054.25		6653
State Total		263.12	4390.07		17624

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/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	4724	77	469	5270	283	3970	0	3447	2917	-682	-844	11596	86	11682	2070	13752	50.02
2	4690	88	470	5248	264	3966	0	2951	2864	-568	-736	11606	55	11661	1906	13567	50.03
3	4704	72	471	5247	272	3974	0	2979	2628	-543	-719	11402	55	11457	1820	13277	50.03
4	4670	83	461	5214	252	3978	0	3030	2703	-543	-645	11502	55	11557	1744	13301	50.01
5	4679	77	461	5217	229	3907	0	3264	3085	-574	-602	11836	55	11891	1700	13591	49.99
6	4680	77	462	5219	224	4000	0	3873	3552	-616	-717	12282	61	12343	1815	14158	50.08
7	4721	115	460	5296	192	3973	0	4070	4001	-616	-677	12796	76	12872	1775	14647	50.04
8	4786	368	461	5615	128	3986	10	3620	3807	-564	-747	12810	76	12886	1847	14733	50.02
9	4772	419	458	5649	128	3975	34	3752	3661	-555	-831	12627	75	12702	1931	14633	50.02
10	4749	453	453	5655	138	4020	80	4012	4326	-735	-899	13331	72	13403	2006	15409	50.00
11	4729	497	450	5676	201	4253	95	4007	4213	-753	-959	13490	61	13551	2141	15692	50.02
12	4821	450	453	5724	213	4343	113	4307	4401	-764	-997	13797	61	13858	2180	16038	50.01
13	4984	404	453	5841	252	4352	142	4311	4319	-768	-979	13961	124	14085	2162	16247	49.99
14	4967	298	440	5705	224	4377	84	4311	4103	-766	-979	13560	69	13629	2151	15780	50.06
15	4972	220	439	5631	161	4356	67	4309	4454	-760	-911	13799	63	13862	2112	15974	50.11
16	4851	213	443	5507	124	4312	20	4305	4090	-750	-913	13169	62	13231	2043	15274	50.03
17	4808	213	442	5463	80	4208	12	3994	3930	-639	-866	12853	65	12918	2031	14949	50.02
18	4827	224	442	5493	106	4128	2	4003	4357	-625	-926	13173	64	13237	2083	15320	50.03
19	4811	333	448	5592	95	4091	0	4279	4930	-704	-978	13740	64	13804	2203	16007	50.05
20	4764	393	450	5607	114	4133	0	4169	4437	-721	-1037	13254	66	13320	2313	15633	50.04
21	4772	349	440	5561	204	4110	0	4069	3846	-745	-1197	12524	64	12588	2364	14952	50.06
22	4764	198	450	5412	237	4138	0	3802	3595	-757	-1166	12216	63	12279	2315	14594	50.08
23	4698	140	450	5288	192	3993	0	3799	3560	-755	-1117	11916	62	11978	2270	14248	50.00
24	4765	135	450	5350	226	3964	0	3665	3399	-742	-1129	11810	62	11872	2270	14142	50.14
MUs	114.71	5.90	10.88	131.48	4.54	98.51	0.66	92.33	91.18	-16.24	-21.57	305.05	1.62	306.67	49.25	355.92	50.04

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 16/Nov/2014

Position as on 6.30 Hrs of 17/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	16/11/2014	19.59	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.	
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.	
Uran Unit 8	108	13/11/2014	04.19	16/11/2014	12.35	Gas 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	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Nov/2014

Position as on 6.30 Hrs of 17/Nov/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d 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 : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Borivali	10/11/2014	13.30	16/11/2014	20.00	New Towers Erection Work(5 Days).
Tarapur - Boiser	10/11/2014	13.54	16/11/2014	15.28	New Towers Erection Work(5 Days).
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Mapusa-II	15/11/2014	15.55	16/11/2014	08.50	over voltage
Dhule-Sar'Sarovar - I	15/11/2014	17.01		Continued.	over voltage
Kolhapur - Mapusa - I	16/11/2014	15.50		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur-Solapur (PG) II	16/11/2014	00.00		Continued.	over voltage
Dabhol-Nagothane - II	16/11/2014	00.00		Continued.	over voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Tillary-Amona	16/11/2014	11.10	16/11/2014	11.45	Only From Amona End.
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).
Kalwa - Padgha - I	16/11/2014	10.00	16/11/2014	19.55	Line Maint Work.
Akola - Aurangabad - II Tie Bay	16/11/2014	15.38	16/11/2014	17.21	Attending Tc Faulty Condition.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Apta-Kalwa	05/11/2014	06.57	16/11/2014	23.27	Construction Work.(6 days.)
Kalwa - Taloja	05/11/2014	07.00	16/11/2014	23.24	Construction Work.(6 days.)
Apta-Bombay Dyeing	12/11/2014	09.52		Continued.	Bus Isolator Repl.work.(2Days).
Kalwa - Salshet - IV	16/11/2014	08.49	16/11/2014	12.41	Tan Delta Measurment.
Apata - Taloja 2	16/11/2014	19.20	16/11/2014	23.27	For Removal Of Bunching.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	14/11/2014	18.04		Continued.	Over Voltage
Karad - Kolhapur - II	15/11/2014	17.05	16/11/2014	09.46	over voltage
Karad-Jaigad I	15/11/2014	20.21		Continued.	over voltage
Lonikand- Koyna Stage IV	15/11/2014	21.57	16/11/2014	10.02	over voltage
Padgha - Nagothane - I	16/11/2014	00.03		Continued.	over voltage
Warora-Tiroda-I	16/11/2014	14.04	16/11/2014	15.12	A/R Auto o Non Auto Mode at Tirora End.
Warora- Tirora -II	16/11/2014	15.18		Continued.	A/R Auto o Non Auto Mode at Tirora End.
Karad - Kolhapur - II	16/11/2014	15.43		Continued.	Over Voltage.
Karad - Kolhapur - II	16/11/2014	17.05	16/11/2014	09.46	Over Voltage.
Lonikand- Koyna Stage IV	16/11/2014	21.56		Continued.	Over Voltage.
Padgha - Nagothane- II	17/11/2014	01.10		Continued.	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 16/Nov/2014

Position as on 6.30 Hrs of 17/Nov/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
Halkarni -Tillary	16/11/2014	11.10	16/11/2014	11.26	Back Up Earth Fault

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 17/Nov/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	130
Unit 7	210	120
	620	250
Bhusawal		
Unit 2	210	0
Unit 3	210	125
Unit 4	500	282
Unit 5	500	282
	1420	689
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	170
Unit 5	500	370
Unit 6	500	370
Unit 7	500	370
	2340	1430
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	396
	1340	1035
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	
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	3
BHIRA T.R.	80	40
RNGR+BHTSA	20	
BHANDARDRA	45	0
ELDARY	23	
SMLHY PTN	12	25
GHATGHAR	250	
	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	1083
WARDHA	405	110
Adani	2640	2645
Other CPPs	300	745
	4545	4583
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	4901
	3455	4901