



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Nov/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Nov/2014 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	128.405	3457.647	1) Gujrat	-0.054	78.978
2) Hydro	6.297	209.551	2) Madhya Pradesh	12.307	424.063
3) Gas	10.385	280.831	3) Chattisgarh	6.300	240.700
Total MSGENCO	145.087	3948.029	4) Maharashtra Net	81.513	2723.253
B) 1) JSW JAIGAD	25.786	760.911	(Incl. 765kV Solapur-Raichur)	-11.837	-311.572
2) WPCL	2.716	78.664	5) Goa	-5.610	-196.340
3) ADANI	40.940	1701.000	6) TAPS 1&2 Injection	3.606	106.688
4) Other CPP / IPP	23.349	618.146	7) RGPPL Injection	0.000	0.000
5) Wind Generation	7.637	174.742	8) Pench (Excess)	-0.508	-15.761
6) PENCH (MS)	0.508	15.761	# Total Cent. Sector	97.554	3361.581
7) SOLAR	0.944	29.769	F) Other Exchanges		
C) 1) TPCL Thermal	17.831	551.387	1) With TPCL (Excess)	-16.113	-699.414
2) TPCL Hydro	0.329	99.323	G) Bilateral Power *		
TOTAL TPCL	18.160	650.710	1) MSEDCL Bilateral	30.311	848.965
3) REL Thermal	11.512	358.946	Include PX	-0.224	66.227
D) STATE			2) MUMBAI Bilateral	16.931	639.569
1) Thermal (A1+C1+C3)	157.748	4367.980	Include PX	2.420	116.805
2) Hydro (A2+B6+C2)	7.134	324.635	3) MUMBAI Schedule	16.931	640.114
3) Gas (A3)	10.385	280.831	H) ENERGY CATERED (MUs)		
4) Wind (B5)	7.637	174.742	1) MSEDCL	328.408	9989.189
5) CPP/IPP (B1+B2+B3+B4)	92.791	3158.721	2) TPCL	27.490	1031.923
6) SOLAR (B7)	0.944	29.769	3) REL	18.294	677.254
TOTAL STATE	276.639	8336.678	TOTAL STATE	374.192	11698.366

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5836	5824	5136
MSGENCO Hydro	776	383	110
MSGENCO Gas	433	432	478
MSGENCO Total Generation	7045	6639	5724
Central Sector Receipt	4833	4680	2941
WIND	263	274	285
CPP / IPP	4084	4111	3705
SOLAR	163	109	0
Exchange with Mumbai	-668	-608	-554
MSEDCL DEMAND MET	15732	15248	12121
Load Shedding	139	88	51
MSEDCL DEMAND	15871	15336	12172
TPCL GENERATION	878	859	652
R-INFRA GENERATION	518	519	455
TPCL+R-INFRA DEMAND	2064	1986	1661
STATE DEMAND MET	17796	17234	13782
STATE DEMAND	17935	17322	13833
Frequency (Hz)	49.97	50.14	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.37 Hz at 23:59 Hrs	49.7 Hz at 11:11 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 30/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	3.63	94.17	160	145	145
Unit 7	3.95	108.41	185	153	165
Total	7.58	202.58			310
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.38	66.72	155	130	140
Unit 4	9.68	232.40	505	355	440
Unit 5	9.42	219.89	465	365	400
Total	22.50	519.02			980
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.54	107.09	152	143	145
Unit 6	5.49	140.19	250	197	220
Unit 7	5.57	139.65	250	205	220
Total	14.61	386.93			585
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.53	96.85	155	140	150
Unit 3	0.00	42.49	0	0	0
Unit 4	4.09	122.53	185	160	190
Unit 5	9.03	259.11	435	342	370
Unit 6	8.68	249.55	405	341	370
Unit 7	8.77	228.28	415	345	370
Total	34.10	998.81			1450
Paras					
Unit 3	5.03	140.28	231	196	200
Unit 4	4.82	137.46	211	182	200
Total	9.85	277.75			400
Khaparkheda					
Unit 1	3.89	113.70	180	135	180
Unit 2	3.56	109.80	170	115	180
Unit 3	4.68	123.69	203	188	200
Unit 4	4.78	122.86	215	176	185
Unit 5	10.12	257.54	479	370	500
Total	27.02	727.58			1245
Nasik					
Unit 3	4.38	123.40	205	170	190
Unit 4	4.17	113.17	181	170	190
Unit 5	4.20	108.42	193	159	190
Total	12.75	344.98			570
Uran					
All Units	10.38	280.83	488	312	485
Total	10.38	280.83			485
PENCH (MS)					
Pench (MS)	0.51	15.76	45	0	0
Total	0.51	15.76			0
Koyna					
Stage 1-2	1.99	64.81	370	40	600
Stage 4	0.36	21.01	200	0	250
Stage 3	0.78	19.67	160	0	240
Kovna 12&4 Total	2.35	85.82			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.14	105.49			1090
Hydro					
KDPH	0.46	6.69	19	19	18
VTRNA	1.00	28.80	61	0	61
TILLARI	0.38	10.59	66	0	62
BHTGR/VEER	0.08	2.35	4	3	4
BHIRA T.R.	0.16	5.56	80	0	80
RNGR+BHTSA	0.00	4.94	0	0	0
BHANDARDRA	0.00	0.80	0	0	0
ELDARY	0.00	6.62	0	0	0
SMLHY PTN	1.08	20.04	53	42	10
GHATGHAR	0.00	17.67	0	0	0
Total	3.16	104.06			235
Wind					
MalharPeth	0.23	5.86			
Vankuswadi	0.46	11.88			
ATIT	0.06	1.28			
Kale	0.20	4.86			
Satara	4.82	94.53			
Shirala	0.32	7.14			
K Mahankal	0.01	0.40			
Supa	0.09	1.77			
Vita	0.87	20.29			
Dondaicha	0.06	11.57			
Sakri	0.00	1.77			
Nandurbar	0.26	5.27			
Khandke	0.17	4.04			
Khaparale	0.09	4.09			
Total	7.64	174.74			
CPP					
JSW JAIGAD	25.79	760.91	1195	960	1090
WARDHA	2.72	78.66	117	109	115
Adani	40.94	1701.00	1720	1680	1728
Other CPPs	23.35	614.62			745
Total	92.79	3155.19			3678
SOLAR					
Total	0.94	29.77			
Total	0.94	29.77			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.20	295.43	496	315	500
Trombay 6	0.00	78.16	0	0	0
Trombay 7A	1.99	74.56	113	59	120
Trombay 7B	1.36	45.20	66	50	60
Trombay 8	5.28	58.03	253	194	250
TATA Hydro	0.33	99.32	60	0	447
Total	18.16	650.71			1377
REL					
1&2	11.51	358.95	521	451	500
Total	11.51	358.95			500
Cent Sect					
Share					4950
Total					4950
MS PG CL	Thermal	128.40	3457.65		5540
	Thml+Gas	138.79	3738.48		6025
	Hydro	6.30	209.55		1325
	Total	145.09	3948.03		7350
State Total		276.64	8336.68		17855

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/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	5221	166	475	5862	259	3691	0	3545	3484	-584	-804	12512	80	12592	1910	14502	50.05
2	5163	115	476	5754	280	3714	0	3668	3184	-699	-646	12306	51	12357	1755	14112	49.96
3	5136	110	478	5724	285	3705	0	3227	2941	-686	-554	12121	51	12172	1661	13833	49.96
4	5178	115	480	5773	245	3687	0	3196	3044	-667	-489	12282	51	12333	1596	13929	49.97
5	5166	110	482	5758	238	3709	0	3303	3268	-672	-466	12529	51	12580	1574	14154	50.02
6	5253	115	484	5852	224	3870	0	4057	3819	-703	-519	13249	59	13308	1626	14934	49.97
7	5186	110	484	5780	221	3872	0	4751	4618	-568	-535	13956	65	14021	1644	15665	49.96
8	5439	255	488	6182	172	4015	15	4603	4898	-662	-376	14926	74	15000	1680	16680	49.88
9	5516	228	480	6224	116	4068	49	4473	4708	-648	-333	14865	67	14932	1766	16698	49.90
10	5521	537	462	6520	79	4093	100	4733	4718	-741	-451	15089	56	15145	1903	17048	49.94
11	5540	523	447	6510	154	4078	127	4864	5064	-684	-555	15378	56	15434	2025	17459	49.91
12	5548	852	444	6844	208	4107	143	4774	5019	-719	-612	15709	76	15785	2070	17855	49.92
13	5836	776	433	7045	263	4084	163	4583	4833	-820	-668	15732	139	15871	2064	17935	49.97
14	5824	383	432	6639	274	4111	109	4593	4680	-817	-608	15248	88	15336	1986	17322	50.14
15	5804	190	430	6424	299	4093	124	4593	4763	-813	-526	15222	76	15298	1931	17229	50.07
16	5561	165	431	6157	303	4053	69	4867	4876	-753	-508	14993	58	15051	1904	16955	50.02
17	5450	165	427	6042	310	3863	38	4882	4468	-685	-599	14167	58	14225	1919	16144	50.01
18	5224	165	435	5824	320	3693	7	4046	4139	-553	-826	13180	61	13241	1963	15204	49.99
19	5184	239	423	5846	400	3713	0	4475	4730	-685	-993	13713	61	13774	2158	15932	50.05
20	5152	238	434	5824	411	3738	0	4492	4491	-741	-1069	13415	68	13483	2210	15693	49.99
21	5110	242	312	5664	486	3744	0	3935	4128	-719	-1100	12932	64	12996	2211	15207	50.04
22	5131	168	312	5611	612	3690	0	3215	2832	-781	-1044	11721	61	11782	2164	13946	50.03
23	5157	165	316	5638	664	3721	0	2986	2459	-795	-971	11531	61	11592	2086	13678	50.10
24	5105	165	320	5590	814	3679	0	2819	2390	-736	-861	11632	61	11693	1979	13672	50.11
MUs	128.40	6.30	10.38	145.09	7.64	92.79	0.94	98.68	97.55	-16.93	-16.11	328.41	1.59	330.00	45.78	375.79	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 30/Nov/2014

Position as on 6.30 Hrs of 01/Dec/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	
Chandrapur Unit 3	210	12/11/2014	20.58		Continued.	Coal Shortage.	
Tata Trombay 6	500	21/11/2014	21.11		Continued.	Economic Shut Down	
Uran Unit 8	108	26/11/2014	00.02		Continued.	Gas Shortage	
Uran Unit B0	120	26/11/2014	00.25		Continued.	Gas Shortage	
CPP Adani U-5	660	26/11/2014	20.12		Continued.	MS drain line leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Nov/2014

Position as on 6.30 Hrs of 01/Dec/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	21/11/2014	14.51		Continued.	Mumbai Strengthening work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Talegaon PG- Aurangabad - I	29/11/2014	16.33		Continued.	over voltage
Kolhapur - Mapusa - I	29/11/2014	16.58	30/11/2014	08.49	over voltage
Kolhapur - Mapusa - II	30/11/2014	16.41		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	30/11/2014	20.35		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)- I	30/11/2014	22.06	01/12/2014	07.02	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane-II	26/11/2014	03.23		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.
400/220 KV 315 MVA ICT-II @ Nagothane.	12/11/2014	13.02		Continued.	Shifted to TBC for BKR overloading.
400/11.5 KV 80 MVA Stn T/F - I @ Chandrapur	19/11/2014	08.55		Continued.	Testing work by MSPGCL.
400/220 KV 500 MVA ICT - I @ Warora	23/11/2014	08.10		Continued.	Leakage in Nitrogen Cylinder of B Ph CTR System.
Bus - II @ Koradi	26/11/2014	10.52		Continued.	High level stringing over Bus 2 for Dia-3.
400/220KV,500MVA ICT-III At Kalwa.	30/11/2014	05.52	30/11/2014	16.40	For Applying Silicon Coating on IPS Tube.
Kalwa-Padgha II	30/11/2014	08.07	30/11/2014	20.39	Q.M.Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Ghodbandar	25/11/2014	10.43		Continued.	Erection & Stringing Work.
Ghodbandar - Bhoisor (MSETCL)	25/11/2014	11.36		Continued.	Erection & Stringing Work.
Hinjewadi-II - Infosys	29/11/2014	09.52	30/11/2014	18.45	Relay interchange & Retrofitting work
Chikhali - Jalna - II	30/11/2014	09.15	30/11/2014	18.55	Balance Rectification Work.
Borivali - Tata - V	30/11/2014	09.35	30/11/2014	11.13	Tree Cutting.
Pigasus - Hingewadi - II	30/11/2014	18.44	30/11/2014	18.45	First Time Charged After LILO OF Infosys-Hinjewadi-II.
Infosys - Pigasus	30/11/2014	18.48	30/11/2014	18.49	First Time Charged After LILO OF Infosys-Hinjewadi-II.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	29/11/2014	16.06	30/11/2014	08.48	over voltage
Karad-Jaigad II	29/11/2014	17.11	30/11/2014	08.49	over voltage
Khadka - Aurangabad	29/11/2014	17.34	30/11/2014	11.46	over voltage
Lonikand- Koyna Stage IV	29/11/2014	20.58	30/11/2014	06.40	over voltage
Karad - Kolhapur - II	30/11/2014	16.23		Continued.	Over Voltage.
Karad-Jaigad I	30/11/2014	16.35		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	30/11/2014	17.09	01/12/2014	06.45	Over Voltage.
Bhusawal- Aurangabad	30/11/2014	17.11		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Nov/2014

Position as on 6.30 Hrs of 01/Dec/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/132 KV 200 MVA ICT - II @ Theur	28/11/2014	15.44		Continued.	Y Phase Bushing Heavy Oil Leakage
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
220/22KV 100MVA T/F-I at Kamba	21/11/2014	10.04		Continued.	Differential operated
Voltage Level : 132KV			Outage Type TRIPPED		
Paras-Patur	30/11/2014	19.40	30/11/2014	19.56	Distance Protection Operated Z-I R Ph.
Amravati - Morshi	30/11/2014	21.40	30/11/2014	21.57	Distance Protection Operated Z-I Y Ph.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/Dec/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	160
	620	300
Bhusawal		
Unit 2	210	0
Unit 3	210	135
Unit 4	500	365
Unit 5	500	350
	1420	850
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	153
Unit 6	250	180
Unit 7	250	200
	1130	533
Chandrapur		
Unit 1	210	0
Unit 2	210	140
Unit 3	210	0
Unit 4	210	160
Unit 5	500	360
Unit 6	500	360
Unit 7	500	360
	2340	1380
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	200
Unit 4	210	185
Unit 5	500	425
	1340	1170
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	330
	852	330
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	18
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	3
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	12
GHATGHAR	250	0
	611	238
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	1011
WARDHA	405	115
Adani	2640	1728
Other CPPs	300	1017
	4545	3871
SOLAR		
Total	0	
	0	
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	5386
	3455	5386