



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

State Load Dispatch Center, Airoli

Daily system Report

for

02/Nov/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 02/Nov/2014 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	102.911	205.459	1) Gujrat	4.125	9.430
2) Hydro	4.879	12.757	2) Madhya Pradesh	15.873	32.053
3) Gas	9.470	19.241	3) Chattisgarh	9.380	18.890
Total MSGENCO	117.260	237.457	4) Maharashtra Net	98.311	199.545
B) 1) JSW JAIGAD	22.557	45.887	(Incl. 765kV Solapur-Raichur)	-9.145	-18.608
2) WPCL	2.288	4.920	5) Goa	-5.683	-12.234
3) ADANI	54.480	109.130	6) TAPS 1&2 Injection	2.907	5.166
4) Other CPP / IPP	18.221	35.236	7) RGPPL Injection	0.000	0.000
5) Wind Generation	10.567	17.331	8) Pench (Excess)	-0.910	-1.639
6) PENCH (MS)	0.910	1.639	# Total Cent. Sector	124.003	251.211
7) SOLAR	0.842	1.873	F) Other Exchanges		
C) 1) TPCL Thermal	19.696	39.679	1) With TPCL (Excess)	-16.034	-36.352
2) TPCL Hydro	0.434	2.963	G) Bilateral Power *		
TOTAL TPCL	20.130	42.642	1) MSEDCL Bilateral	33.153	69.668
3) REL Thermal	12.300	24.769	Include PX	9.215	20.873
D) STATE			2) MUMBAI Bilateral	17.847	39.541
1) Thermal (A1+C1+C3)	134.907	269.907	Include PX	1.276	3.271
2) Hydro (A2+B6+C2)	6.223	17.359	3) MUMBAI Schedule	17.847	39.541
3) Gas (A3)	9.470	19.241	H) ENERGY CATERED (MUs)		
4) Wind (B5)	10.567	17.331	1) MSEDCL	335.094	668.332
5) CPP/IPP (B1+B2+B3+B4)	97.546	195.173	2) TPCL	29.199	62.814
6) SOLAR (B7)	0.842	1.873	3) REL	19.263	40.946
TOTAL STATE	259.555	520.884	TOTAL STATE	383.556	772.092

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4505	4891	4003
MSGENCO Hydro	427	220	85
MSGENCO Gas	400	405	414
MSGENCO Total Generation	5332	5516	4502
Central Sector Receipt	5910	6131	4580
WIND	837	615	609
CPP / IPP	4048	4024	4055
SOLAR	126	112	0
Exchange with Mumbai	-759	-807	-464
MSEDCL DEMAND MET	15514	15621	13328
Load Shedding	200	140	58
MSEDCL DEMAND	15714	15761	13386
TPCL GENERATION	844	796	837
R-INFRA GENERATION	522	487	520
TPCL+R-INFRA DEMAND	2125	2090	1821
STATE DEMAND MET	17639	17711	15149
STATE DEMAND	17839	17851	15207
Frequency (Hz)	50.01	50.00	49.92

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.26 Hz at 06:02 Hrs	49.73 Hz at 16:52 Hrs	49.99	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 02/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	3.30	6.48	160	112	140
Unit 7	3.36	6.85	160	115	150
Total	6.67	13.33			290
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	0.00	0	0	0
Unit 4	7.56	15.80	450	285	300
Unit 5	0.00	0.00	0	0	0
Total	7.56	15.80			300
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.59	7.20	160	143	155
Unit 6	4.53	9.15	245	155	180
Unit 7	4.38	8.97	230	170	180
Total	12.50	25.32			515
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.44	7.00	152	130	150
Unit 3	3.18	7.00	151	104	160
Unit 4	3.85	7.86	174	148	165
Unit 5	7.61	15.34	430	290	300
Unit 6	7.24	14.70	390	270	300
Unit 7	7.49	15.14	408	255	300
Total	32.81	67.02			1375
Paras					
Unit 3	4.60	9.00	250	174	180
Unit 4	4.46	8.76	216	176	180
Total	9.05	17.76			360
Khaparkheda					
Unit 1	3.77	7.40	185	135	170
Unit 2	3.73	7.26	165	135	170
Unit 3	3.96	7.68	200	143	170
Unit 4	3.92	7.69	210	143	170
Unit 5	9.18	18.33	500	350	360
Total	24.56	48.37			1040
Nasik					
Unit 3	4.06	8.14	200	160	160
Unit 4	3.98	8.01	190	155	190
Unit 5	1.72	1.72	166	0	0
Total	9.76	17.87			350
Uran					
All Units	9.47	19.24	418	262	420
Total	9.47	19.24			420
PENCH (MS)					
Pench (MS)	0.91	1.64	47	20	
Total	0.91	1.64			
Koyna					
Stage 1-2	1.28	4.46	195	40	530
Stage 4	0.01	0.42	14	0	250
Stage 3	0.12	1.26	62	0	240
Kovna 12&4 Total	1.29	4.88			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.41	6.14			1020
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.99	2.03	61	0	61
TILLARI	0.29	0.67	64	0	62
BHTGR/VEER	0.10	0.20	5	4	5
BHIRA T.R.	0.09	0.34	49	0	80
RNGR+BHTSA	0.33	0.33	14	13	0
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.04	0	0	14
SMLHY PTN	0.46	0.55	27	16	10
GHATGHAR	1.22	2.44	245	0	0
Total	3.47	6.61			232
Wind					
MalharPeth	0.47	0.64			
Vankuswadi	0.82	1.20			
ATIT	0.08	0.13			
Kale	0.69	0.81			
Satara	6.06	9.78			
Shirala	0.45	0.63			
K Mahankal	0.04	0.06			
Supa	0.05	0.18			
Vita	1.46	2.32			
Dondaicha	0.10	0.31			
Sakri	0.01	0.02			
Nandurbar	0.16	0.50			
Khandke	0.10	0.36			
Khaparale	0.10	0.39			
Total	10.57	17.33			
CPP					
JSW JAIGAD	22.56	45.89	948	924	855
WARDHA	2.29	4.92	110	81	110
Adani	54.48	109.13	2290	2190	2315
Other CPPs	18.22	35.24			745
Total	97.55	195.17			4025
SOLAR					
Total	0.84	1.87			
Total	0.84	1.87			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.42	23.12	498	316	500
Trombay 6	3.74	7.47	157	155	500
Trombay 7A	2.91	5.81	128	115	120
Trombay 7B	1.64	3.27	70	66	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	0.43	2.96	76	0	447
Total	20.13	42.64			1627
REL					
1&2	12.30	24.77	523	454	500
Total	12.30	24.77			500
Cent Sect					
Share					5976
Total					5976
MS PG CL	Thermal	102.91	205.46		4230
	Thml+Gas	112.38	224.70		4650
	Hydro	4.88	12.76		1252
	Total	117.26	237.46		5902
State Total		259.56	520.88		18030

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 02/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	4045	86	414	4545	606	4068	0	4668	4669	-739	-721	13197	87	13284	2087	15371	49.93
2	4047	88	414	4549	604	4045	0	4641	5009	-689	-559	13695	58	13753	1930	15683	49.93
3	4003	85	414	4502	609	4055	0	4628	4580	-658	-464	13328	58	13386	1821	15207	49.92
4	4020	75	414	4509	575	4037	0	4632	4711	-646	-398	13479	58	13537	1756	15293	49.95
5	4021	90	415	4526	554	4042	0	4673	5122	-646	-360	13927	59	13986	1725	15711	50.01
6	4039	75	415	4529	519	4034	0	5162	5162	-664	-380	13907	122	14029	1745	15774	49.98
7	4060	80	416	4556	555	4053	0	5292	5966	-663	-402	14771	252	15023	1764	16787	50.02
8	4094	74	418	4586	488	4158	17	4844	4508	-703	-378	13419	448	13867	1748	15615	50.01
9	4102	180	418	4700	404	4084	68	4704	4423	-729	-463	13256	225	13481	1827	15308	49.96
10	4072	517	410	4999	537	4057	88	5183	5248	-732	-585	14369	127	14496	1951	16447	49.95
11	4033	554	358	4945	696	4142	103	5404	5782	-762	-698	14990	127	15117	2058	17175	50.00
12	4505	427	400	5332	837	4048	126	6065	5910	-790	-759	15514	200	15714	2125	17839	50.01
13	4918	145	400	5463	801	4041	129	6002	5855	-769	-823	15486	195	15681	2145	17826	50.01
14	4891	220	405	5516	615	4024	112	5531	6131	-754	-807	15621	140	15761	2090	17851	50.00
15	5153	166	355	5674	402	4059	98	5770	5986	-739	-692	15567	108	15675	2079	17754	49.97
16	4497	260	262	5019	340	4134	67	5670	6166	-738	-626	15142	73	15215	2055	17270	49.92
17	4315	260	306	4881	221	4050	30	5183	5188	-725	-648	13762	80	13842	2039	15881	49.92
18	4243	268	405	4916	150	4180	4	4708	4985	-731	-668	13609	97	13706	2081	15787	49.98
19	4303	279	405	4987	125	4098	0	5196	5417	-818	-812	13857	78	13935	2191	16126	50.02
20	4292	285	404	4981	112	4122	0	5327	5201	-882	-927	13529	122	13651	2317	15968	50.06
21	4363	255	404	5022	146	4090	0	4921	4761	-851	-894	13165	111	13276	2319	15595	50.06
22	4308	137	404	4849	202	4020	0	4855	4513	-835	-872	12756	102	12858	2234	15092	50.07
23	4320	139	406	4865	225	4002	0	4680	4229	-818	-1027	12338	67	12405	2180	14585	49.93
24	4267	134	408	4809	244	3903	0	4611	4481	-769	-1071	12410	67	12477	2197	14674	50.05
MUs	102.91	4.88	9.47	117.26	10.57	97.55	0.84	122.35	124.00	-17.85	-16.03	335.09	3.06	338.16	48.46	386.62	49.99

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 02/Nov/2014

Position as on 6.30 Hrs of 03/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	
Bhusawal Unit 5	500	27/10/2014	15.02		Continued.	Coal Shortage.	
CPP WPCL U-1	135	30/10/2014	00.43		Continued.	ESP Bag Filter Damaged	
CPP Adani U-4	660	30/10/2014	01.50		Continued.	Main Stream Drum Leakage	
Nasik Unit 5	210	30/10/2014	13.20	02/11/2014	10.50	Economiser Tube Leakage	
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		Continued.	Feed Water Line Leakage.	
Uran Unit 8	108	02/11/2014	14.33	02/11/2014	16.08	Automation System Fault.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Nov/2014

Position as on 6.30 Hrs of 03/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.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	01/11/2014	16.44	02/11/2014	19.51	over voltage
Dhule-Sar'Sarovar - II	01/11/2014	17.46	02/11/2014	06.38	over voltage
Dhule-Sar'Sarovar - I	02/11/2014	18.37		Continued.	Over Voltage.
Kolhapur-Mapusa-II	02/11/2014	20.58		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Tillary-Amona	02/11/2014	18.10	02/11/2014	19.20	Distance Protection.
Mahalakshmi - Amona	02/11/2014	18.10	02/11/2014	20.05	Distance Protection.
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.
Jejuri-Koyna STG-IV	02/11/2014	05.21	02/11/2014	12.22	Replacement work
400/220KV 315MVA ICT-III at Karad.	02/11/2014	06.17	02/11/2014	21.12	maintance work
400/220 KV 315 MVA ICT-II @ Kharghar	02/11/2014	08.07	02/11/2014	12.53	L V Side Bushing (Tan Delta)
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Sonkar - Nerul	02/11/2014	06.17	02/11/2014	12.05	Balance stringing of earth wire
Trombay-Kharghar	02/11/2014	06.22	02/11/2014	13.35	Maint.work
Butibori-III- VIPL -I	02/11/2014	10.51	02/11/2014	17.05	Recrimping Work of CT Jumpers.
220/132 KV 200 MVA ICT-IV @ Nasik OCR	02/11/2014	11.32	02/11/2014	18.46	C T Replacement Work L V Side.
Butibori-III-VIPL-II	02/11/2014	17.39	02/11/2014	20.20	Recrimping Work of CT Jumpers.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
New Koyna - Dabhol - I	24/10/2014	16.10		Continued.	Over Voltage.
Bhusawal- Aurangabad	01/11/2014	16.24	02/11/2014	06.19	over voltage
Karad - Kolhapur - II	01/11/2014	16.25	02/11/2014	08.48	over voltage
Karad-Jaigad I	01/11/2014	16.35		Continued.	over voltage
Nagothane-Dabhol-I	01/11/2014	21.53		Continued.	over voltage
Karad - Kolhapur - I	02/11/2014	16.04		Continued.	Over Voltage.
Bhusawal- Aurangabad	02/11/2014	16.10		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	02/11/2014	21.29	03/11/2014	06.27	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
220/22KV 50 MVA T/F II at Uran	23/10/2014	08.30		Continued.	Caught Fire.
Dhule - Malegaon	02/11/2014	11.03	02/11/2014	11.18	Distance Protection.
Chalisgaon - Malegaon	02/11/2014	11.04	02/11/2014	11.26	Distance Protection Operated Z-2 B Ph.
Tillary - Halkarni	02/11/2014	18.10		Continued.	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 03/Nov/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	153
Unit 7	210	133
	620	286
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	300
Unit 5	500	0
	1420	300
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	150
Unit 6	250	180
Unit 7	250	180
	1130	510
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	420
	852	420
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	
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	62
BHTGR/VEER	21	3
BHIRA T.R.	80	80
RNGR+BHTSA	20	
BHANDARDRA	45	
ELDARY	23	
SMLHY PTN	12	26
GHATGHAR	250	
	611	232
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	855
WARDHA	405	110
Adani	2640	2315
Other CPPs	300	745
	4545	4025
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	6578
	3455	6578

	21940	18843
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