



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

State Load Dispatch Center, Airoli

Daily system Report

for

31/Oct/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 31/Oct/2014 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	102.240	3316.904	1) Gujrat	6.628	206.094
2) Hydro	10.837	329.157	2) Madhya Pradesh	15.879	608.506
3) Gas	9.706	298.322	3) Chattisgarh	8.850	303.690
Total MSGENCO	122.783	3944.383	4) Maharashtra Net	93.062	3460.853
B) 1) JSW JAIGAD	27.465	821.186	(Incl. 765kV Solapur-Raichur)	-6.690	-190.749
2) WPCL	4.767	163.308	5) Goa	-6.640	-220.628
3) ADANI	54.360	1372.190	6) TAPS 1&2 Injection	3.641	149.765
4) Other CPP / IPP	11.874	493.045	7) RGPPL Injection	0.000	0.000
5) Wind Generation	7.213	177.329	8) Pench (Excess)	-1.076	-30.408
6) PENCH (MS)	1.076	30.408			
7) SOLAR	1.071	30.911	# Total Cent. Sector	120.344	4477.872
C) 1) TPCL Thermal	19.126	594.589	F) Other Exchanges		
2) TPCL Hydro	5.132	104.918	1) With TPCL (Excess)	-21.026	-763.499
TOTAL TPCL	24.258	699.507	G) Bilateral Power *		
3) REL Thermal	11.880	367.495	1) MSEDCL Bilateral	36.412	1611.587
D) STATE			Include PX	3.855	627.548
1) Thermal (A1+C1+C3)	133.246	4278.988	2) MUMBAI Bilateral	20.824	739.385
2) Hydro (A2+B6+C2)	17.045	464.483	Include PX	1.168	127.416
3) Gas (A3)	9.706	298.322	3) MUMBAI Schedule	20.996	748.806
4) Wind (B5)	7.213	177.329	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	98.466	2849.729	1) MSEDCL	329.927	10747.133
6) SOLAR (B7)	1.071	30.911	2) TPCL	34.855	1135.021
TOTAL STATE	266.747	8099.762	3) REL	22.308	695.493
			TOTAL STATE	387.090	12577.647

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	4508	4861	4171
MSGENCO Hydro	1245	426	56
MSGENCO Gas	408	408	421
MSGENCO Total Generation	6161	5695	4648
Central Sector Receipt	5875	5527	4709
WIND	385	474	458
CPP / IPP	4282	4223	3877
SOLAR	150	144	0
Exchange with Mumbai	-1107	-954	-645
MSEDCL DEMAND MET	15797	15160	13094
Load Shedding	819	881	80
MSEDCL DEMAND	16616	16041	13174
TPCL GENERATION	1311	1310	674
R-INFRA GENERATION	495	493	451
TPCL+R-INFRA DEMAND	2913	2757	1770
STATE DEMAND MET	18710	17917	14864
STATE DEMAND	19529	18798	14944
Frequency (Hz)	49.87	49.99	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.23 Hz at 18.01 Hrs	49.57 Hz at 07.35 Hrs	49.91	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 31/Oct/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	93.89	168	100	140
Unit 7	3.65	89.23	165	140	145
Total	7.13	183.12			285
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	69.33	0	0	0
Unit 4	7.60	176.55	455	280	300
Unit 5	0.00	207.36	0	0	0
Total	7.60	453.24			300
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	37.63	0	0	0
Unit 5	3.69	36.93	169	146	160
Unit 6	4.62	139.95	250	177	183
Unit 7	4.83	139.96	250	173	200
Total	13.14	354.46			543
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.50	84.62	155	140	150
Unit 3	3.79	115.72	165	149	160
Unit 4	3.88	130.91	186	154	165
Unit 5	7.32	243.60	330	278	300
Unit 6	6.94	230.74	315	260	300
Unit 7	7.42	234.35	414	276	300
Total	32.86	1039.94			1375
Paras					
Unit 3	4.63	135.61	250	170	230
Unit 4	4.40	133.67	210	165	230
Total	9.03	269.28			460
Khaparkheda					
Unit 1	3.62	115.02	175	130	170
Unit 2	3.63	91.76	165	135	170
Unit 3	3.66	91.40	184	85	170
Unit 4	3.80	115.55	177	141	170
Unit 5	9.54	277.37	500	352	360
Total	24.26	691.09			1040
Nasik					
Unit 3	4.18	128.19	205	165	172
Unit 4	4.04	97.32	195	160	172
Unit 5	0.00	100.26	0	0	0
Total	8.22	325.77			344
Uran					
All Units	9.71	298.32	421	384	420
Total	9.71	298.32			420
PENCH (MS)					
Pench (MS)	1.08	30.41	54	25	
Total	1.08	30.41			
Koyna					
Stage 1-2	3.14	104.12	460	40	530
Stage 4	3.19	110.82	560	0	250
Stage 3	1.02	46.65	160	0	240
Kovna 12&4 Total	6.33	214.94			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	7.35	261.59			1020
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	1.03	20.11	61	0	61
TILLARI	0.39	5.55	64	0	62
BHTGR/VEER	0.10	0.50	5	4	4
BHIRA T.R.	0.28	7.01	80	0	80
RNGR+BHTSA	0.00	5.48	0	0	0
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	2.18	0	0	0
SMLHY PTN	0.08	3.05	11	1	28
GHATGHAR	1.60	23.68	250	0	0
Total	3.48	67.57			235
Wind					
MalharPeth	0.34	5.28			
Vankuswadi	0.66	10.98			
ATIT	0.02	1.16			
Kale	0.20	3.79			
Satara	3.90	97.45			
Shirala	0.28	6.16			
K Mahankal	0.02	0.49			
Supa	0.08	2.36			
Vita	0.64	18.61			
Dondaicha	0.18	11.29			
Sakri	0.03	2.70			
Nandurbar	0.38	5.39			
Khandke	0.28	6.19			
Khaparale	0.21	5.48			
Total	7.21	177.33			
CPP					
JSW JAIGAD	27.46	821.19	1253	931	1155
WARDHA	4.77	163.31	212	181	215
Adani	54.36	1372.19	2290	2150	2315
Other CPPs	11.87	487.48			500
Total	98.47	2844.17			4185
SOLAR					
Total	1.07	30.91			
Total	1.07	30.91			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.88	342.66	498	319	500
Trombay 6	3.74	115.59	157	155	500
Trombay 7A	2.88	86.72	128	111	120
Trombay 7B	1.63	49.62	70	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.13	104.92	471	0	447
Total	24.26	699.51			1627
REL					
1&2	11.88	367.50	524	451	500
Total	11.88	367.50			500
Cent Sect					
Share					5828
Total					5828
MS PG CL	Thermal	102.24	3316.90		4347
	Thml+Gas	111.95	3615.23		4767
	Hydro	10.84	329.16		1255
	Total	122.78	3944.38		6022
State Total		266.75	8099.76		18162

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 31/Oct/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	4099	46	421	4566	552	3710	0	4783	5039	-730	-935	12979	91	13070	2045	15115	49.88
2	4140	46	412	4598	481	3886	0	4788	5002	-749	-748	13266	80	13346	1871	15217	49.90
3	4171	56	421	4648	458	3877	0	4778	4709	-737	-645	13094	80	13174	1770	14944	49.94
4	4139	46	417	4602	360	3881	0	4878	5002	-721	-581	13314	80	13394	1702	15096	49.97
5	4101	61	416	4578	288	3883	0	4826	4927	-651	-509	13217	81	13298	1683	14981	49.92
6	4113	434	419	4966	290	3901	0	4897	5137	-617	-524	13824	197	14021	1737	15758	49.78
7	4129	806	417	5352	269	3992	5	5087	4845	-594	-434	14083	446	14529	1798	16327	49.83
8	4215	708	416	5339	263	4043	27	4801	4541	-601	-573	13691	580	14271	1939	16210	49.85
9	4242	242	410	4894	223	4149	74	4547	4428	-721	-834	12984	839	13823	2221	16044	49.83
10	4240	846	410	5496	296	4189	109	4901	4782	-881	-937	13989	599	14588	2631	17219	49.79
11	4287	986	409	5682	349	4244	140	5330	5145	-1080	-1071	14543	625	15168	2865	18033	49.76
12	4508	1245	408	6161	385	4282	150	5720	5875	-1161	-1107	15797	819	16616	2913	19529	49.87
13	4868	696	409	5973	427	4265	149	5689	5541	-1117	-1077	15329	1000	16329	2881	19210	49.94
14	4861	426	408	5695	474	4223	144	5607	5527	-1008	-954	15160	881	16041	2757	18798	49.99
15	4845	366	409	5620	432	4224	125	5588	5647	-1018	-977	15118	638	15756	2780	18536	49.91
16	4295	1012	385	5692	345	4260	88	5293	5451	-1024	-1008	14868	539	15407	2798	18205	49.84
17	4078	765	391	5234	229	4236	48	4922	5295	-1057	-1020	14049	544	14593	2776	17369	49.84
18	4055	623	392	5070	176	4215	11	4671	4783	-1019	-979	13303	699	14002	2719	16721	49.94
19	4116	536	384	5036	156	4280	1	4920	5112	-1086	-1100	13518	562	14080	2773	16853	50.02
20	4127	407	387	4921	175	4274	0	4865	4983	-1047	-1149	13231	734	13965	2763	16728	50.08
21	4141	170	388	4699	143	4205	0	4860	4803	-1033	-1012	12863	554	13417	2605	16022	50.00
22	4154	111	389	4654	143	4124	0	4555	5000	-877	-981	12980	330	13310	2481	15791	50.05
23	4202	111	390	4703	137	4141	0	4373	4519	-806	-949	12600	169	12769	2369	15138	49.97
24	4114	92	398	4604	162	3982	0	4249	4251	-661	-922	12127	147	12274	2287	14561	49.99
MUs	102.24	10.84	9.71	122.78	7.21	98.47	1.07	118.93	120.34	-21.00	-21.03	329.93	11.31	341.24	57.16	398.41	49.91

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 31/Oct/2014

Position as on 6.30 Hrs of 01/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 IPL U-1	270	28/10/2014	17.53	01/11/2014	04.04	Turbine Shaft vibration high.	
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		Continued.	Economiser Tube Leakage	
CPP IPL U-2	270	30/10/2014	16.16		Continued.	Gen.Diff.Protection operated	
CPP JSW (J) U4	300	01/11/2014	05.42		Continued.	Feed Water Line Leakage.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 31/Oct/2014

Position as on 6.30 Hrs of 01/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 : 220KV			Outage Type PLANNED OUTAGE		
Nasik - Navasari - II	31/10/2014	16.03	31/10/2014	18.44	Outage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	30/10/2014	17.20	31/10/2014	09.12	Over Voltage.
Dhule-Sar'Sarovar - I	30/10/2014	21.02	31/10/2014	05.53	Over Voltage
Kolhapur - Mapusa - II	31/10/2014	16.15		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	31/10/2014	17.19		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik - Navsari - II	31/10/2014	01.42	31/10/2014	02.28	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.
Khadka - Deepnagar - II	31/10/2014	10.27	31/10/2014	16.52	For Tan Delta Testing Work.
Akola - Akola-II - II	31/10/2014	12.35	31/10/2014	21.50	To Attend Chattering Sound in Wave Trap.
400/220KV,315MVA ICT-I at Karad	01/11/2014	06.04		Continued.	O/H of Circuit Breaker Mechanical Drives.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Halkarni -Tillary	31/10/2014	08.38	31/10/2014	18.33	For Cleaning of Polluted Insulator String.
220/100KV 200MVA ICT-III at Kalwa	31/10/2014	08.45	31/10/2014	13.50	Attending Oil Leakage Near 100KV Bushing B Ph.
Jambhul - Anandnagar	31/10/2014	09.02	31/10/2014	17.09	Outage.
Kolshet - Kamba	31/10/2014	10.18	31/10/2014	16.10	Tan Delta Measurment of Line C T.
Pedambe-Pophali I	31/10/2014	10.35	31/10/2014	11.25	C T Oil Top Up.
220/100KV 200 MVA ICT-II @ Padgha	31/10/2014	10.44	31/10/2014	17.07	Jumpper Replacement Work.
Karad-M'peth	31/10/2014	11.05	31/10/2014	16.31	Replacement of Damaged Conductor Piece.
Pedambe-Mahad	31/10/2014	11.20	31/10/2014	12.05	C T Oil Top Up.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Boiser - MIDC	31/10/2014	09.35		Continued.	To Make LILO Arrangement @ Lupin S/S.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Lonikand- Koyna Stage IV	31/10/2014	13.11		Continued.	R Ph Secapping Observed Out of 2 String 1 String Decapped.Ready for Charging from 17.50 Hrs.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Kalwa-Temghar	01/11/2014	06.25		Continued.	Hot Spot Attending Work @ Temghar.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
New Koyna - Dabhol - I	24/10/2014	16.10		Continued.	Over Voltage.
Karad - Kolhapur - I	29/10/2014	16.47	31/10/2014	09.23	Over Voltage.
Bhusawal- Aurangabad	30/10/2014	17.00	31/10/2014	05.45	Over Voltage

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 31/Oct/2014

Position as on 6.30 Hrs of 01/Nov/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Lonikand- Koyna Stage IV	30/10/2014	21.51	31/10/2014	08.52	Over Voltage
Karad - Kolhapur - I	31/10/2014	15.37		Continued.	Over Voltage.
Bhusawal- Aurangabad	31/10/2014	18.03		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Padgha - Kalwa- I	30/10/2014	20.13	31/10/2014	00.01	Distance Prot.
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
Aarey - Saki - I	11/10/2014	12.39		Continued.	Distance protection
220/22KV 50 MVA T/F II at Uran	23/10/2014	08.30		Continued.	Caught Fire.
Mudshingi-Wathar	30/10/2014	20.45	31/10/2014	20.40	Bus Fault at Musungi Due to R - Ph CT Burst of Wathar Ckt.
220/110KV,200 MVA ICT-I at Mudshingi	30/10/2014	20.45	31/10/2014	21.21	Bus Fault.
220/110 KV 200MVA ICT - III @ Mudshigi	30/10/2014	20.45	31/10/2014	21.20	Bus Fault.
220/110KV 200MVA ICT-II at Mudshingi	30/10/2014	20.45	31/10/2014	21.19	Bus Fault.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/Nov/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	100
Unit 7	210	160
	620	260
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	340
Unit 5	500	0
	1420	340
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	155
Unit 6	250	180
Unit 7	250	180
	1130	515
Chandrapur		
Unit 1	210	0
Unit 2	210	140
Unit 3	210	160
Unit 4	210	165
Unit 5	500	300
Unit 6	500	300
Unit 7	500	300
	2340	1365
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	160
Unit 4	210	190
Unit 5	210	0
	630	350
Uran		
All Units	852	410
	852	410
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	0
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	62
BHTGR/VEER	21	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	12
GHATGHAR	250	0
	611	219
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	1137
WARDHA	405	110
Adani	2640	2315
Other CPPs	300	745
	4545	4307
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	6092
	3455	6092