



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Nov/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/Nov/2014 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	113.764	1547.741	1) Gujrat	2.739	94.398
2) Hydro	7.059	111.375	2) Madhya Pradesh	14.973	223.780
3) Gas	7.320	134.311	3) Chattisgarh	8.220	129.540
Total MSGENCO	128.143	1793.427	4) Maharashtra Net	89.489	1365.650
B) 1) JSW JAIGAD	24.982	346.427	(Incl. 765kV Solapur-Raichur)	-9.213	-144.735
2) WPCL	2.625	36.207	5) Goa	-6.581	-97.658
3) ADANI	54.740	806.410	6) TAPS 1&2 Injection	3.666	48.585
4) Other CPP / IPP	18.990	269.272	7) RGPPL Injection	0.000	0.000
5) Wind Generation	16.123	105.149	8) Pench (Excess)	-0.622	-9.071
6) PENCH (MS)	0.622	9.071	# Total Cent. Sector	111.884	1755.224
7) SOLAR	0.602	13.701	F) Other Exchanges		
C) 1) TPCL Thermal	17.872	256.080	1) With TPCL (Excess)	-27.210	-328.621
2) TPCL Hydro	4.246	51.744	G) Bilateral Power *		
TOTAL TPCL	22.118	307.824	1) MSEDCL Bilateral	28.179	462.360
3) REL Thermal	12.404	169.908	Include PX	1.817	105.034
D) STATE			2) MUMBAI Bilateral	23.887	307.305
1) Thermal (A1+C1+C3)	144.040	1973.729	Include PX	5.619	53.595
2) Hydro (A2+B6+C2)	11.927	172.190	3) MUMBAI Schedule	23.887	307.850
3) Gas (A3)	7.320	134.311	H) ENERGY CATERED (MUs)		
4) Wind (B5)	16.123	105.149	1) MSEDCL	331.501	4806.267
5) CPP/IPP (B1+B2+B3+B4)	101.337	1458.316	2) TPCL	37.329	488.872
6) SOLAR (B7)	0.602	13.701	3) REL	24.402	317.597
TOTAL STATE	281.349	3857.396	TOTAL STATE	393.232	5612.736

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4640	4933	4705
MSGENCO Hydro	787	447	128
MSGENCO Gas	307	308	307
MSGENCO Total Generation	5734	5688	5140
Central Sector Receipt	5987	5577	4306
WIND	821	516	740
CPP / IPP	4118	4305	4122
SOLAR	105	59	0
Exchange with Mumbai	-1423	-1294	-787
MSEDCL DEMAND MET	15368	14872	13547
Load Shedding	92	117	55
MSEDCL DEMAND	15460	14989	13602
TPCL GENERATION	1124	1134	617
R-INFRA GENERATION	518	517	518
TPCL+R-INFRA DEMAND	3065	2945	1922
STATE DEMAND MET	18433	17817	15469
STATE DEMAND	18525	17934	15524
Frequency (Hz)	49.97	50.08	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.28 Hz at 18.03 Hrs	49.65 Hz at 06.22 Hrs	49.98	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 14/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	3.51	47.92	150	138	140
Unit 7	3.53	50.74	161	130	160
Total	7.04	98.66			300
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.45	12.69	170	135	145
Unit 4	7.97	113.26	370	300	347
Unit 5	7.83	79.37	370	310	330
Total	19.25	205.33			822
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.57	50.85	152	143	150
Unit 6	4.68	63.00	250	180	180
Unit 7	4.82	63.17	250	180	180
Total	13.07	177.02			510
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.32	47.23	146	128	150
Unit 3	0.00	42.49	0	0	0
Unit 4	3.90	55.46	174	97	170
Unit 5	8.73	111.63	370	345	370
Unit 6	8.60	107.43	370	345	370
Unit 7	8.43	104.71	369	325	370
Total	32.97	468.95			1430
Paras					
Unit 3	4.50	65.24	197	170	180
Unit 4	4.49	63.70	203	175	180
Total	8.99	128.94			360
Khaparkheda					
Unit 1	3.53	54.44	160	140	162
Unit 2	3.16	52.46	145	110	162
Unit 3	3.76	57.50	177	147	153
Unit 4	3.75	57.33	167	145	162
Unit 5	9.23	100.01	435	370	397
Total	23.43	321.75			1036
Nasik					
Unit 3	4.08	56.44	195	160	190
Unit 4	0.90	47.87	164	0	0
Unit 5	4.04	42.78	185	162	190
Total	9.01	147.09			380
Uran					
All Units	7.32	134.31	312	280	305
Total	7.32	134.31			305
PENCH (MS)					
Pench (MS)	0.62	9.07	54	10	
Total	0.62	9.07			
Koyna					
Stage 1-2	1.48	31.68	315	40	530
Stage 4	0.59	15.23	250	0	250
Stage 3	0.35	10.51	80	0	240
Kovna 12&4 Total	2.07	46.90			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.42	57.41			1020
Hydro					
KDPH	0.28	4.60	19	0	18
VTRNA	1.13	12.46	61	0	60
TILLARI	0.38	4.92	64	0	64
BHTGR/VEER	0.06	1.16	3	2	4
BHIRA T.R.	0.25	3.08	40	0	40
RNGR+BHTSA	0.39	2.64	17	16	16
BHANDARDRA	0.00	0.80	0	0	0
ELDARY	0.34	4.03	15	13	12
SMLHY PTN	0.77	7.98	39	29	12
GHATGHAR	1.02	12.31	180	0	0
Total	4.64	53.97			226
Wind					
MalharPeth	0.69	3.49			
Vankuswadi	1.40	6.82			
ATIT	0.14	0.75			
Kale	0.41	2.81			
Satara	8.46	55.05			
Shirala	0.84	4.12			
K Mahankal	0.02	0.28			
Supa	0.10	0.97			
Vita	1.55	12.90			
Dondaicha	1.53	8.30			
Sakri	0.18	1.26			
Nandurbar	0.25	3.58			
Khandke	0.20	2.22			
Khaparale	0.36	2.59			
Total	16.12	105.15			
CPP					
JSW JAIGAD	24.98	346.43	1100	951	1140
WARDHA	2.62	36.21	114	104	110
Adani	54.74	806.41	2510	2120	2645
Other CPPs	18.99	269.27			745
Total	101.34	1458.32			4640
SOLAR					
Total	0.60	13.70			
Total	0.60	13.70			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.89	141.40	501	320	500
Trombay 6	3.69	52.62	155	153	500
Trombay 7A	1.97	39.54	90	78	120
Trombay 7B	1.33	22.52	58	54	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.25	51.74	439	0	447
Total	22.12	307.82			1627
REL					
1&2	12.40	169.91	520	506	500
Total	12.40	169.91			500
Cent Sect					
Share					5564
Total					5564
MS PG CL	Thermal	113.76	1547.74		4838
	Thml+Gas	121.08	1682.05		5143
	Hydro	7.06	111.38		1246
	Total	128.14	1793.43		6389
State Total		281.35	3857.40		18720

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/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	4748	192	306	5246	1055	4010	0	4281	3916	-909	-1098	13139	86	13225	2332	15557	50.03
2	4749	182	306	5237	913	4013	0	4132	4258	-709	-987	13444	55	13499	2126	15625	49.94
3	4705	162	306	5173	819	4018	0	4085	4333	-693	-862	13508	55	13563	1999	15562	49.97
4	4705	128	307	5140	740	4122	0	4085	4306	-693	-787	13547	55	13602	1922	15524	49.99
5	4728	128	310	5166	798	4472	0	4241	4147	-704	-738	13870	55	13925	1906	15831	50.00
6	4722	127	309	5158	840	4567	0	4780	4632	-751	-675	14547	102	14649	1968	16617	49.94
7	4753	136	307	5196	872	4501	0	4858	4958	-694	-740	14812	335	15147	2069	17216	49.77
8	4743	148	307	5198	930	4537	12	4635	4382	-759	-877	14232	255	14487	2175	16662	49.94
9	4706	203	307	5216	946	4565	41	4531	4445	-842	-1115	14124	161	14285	2445	16730	49.96
10	4568	297	309	5174	855	4345	81	4980	5202	-1033	-1157	14526	87	14613	2824	17437	49.96
11	4631	416	307	5354	801	4174	85	5103	5707	-1213	-1282	14866	82	14948	3024	17972	49.96
12	4640	787	307	5734	821	4118	105	5453	5987	-1303	-1423	15368	92	15460	3065	18525	49.97
13	4876	679	303	5858	714	4264	74	5479	5612	-1279	-1346	15202	167	15369	3065	18434	49.94
14	4933	447	308	5688	516	4305	59	5430	5577	-1176	-1294	14872	117	14989	2945	17934	50.08
15	4913	360	304	5577	453	4285	63	5455	5459	-1198	-1325	14533	84	14617	3001	17618	49.98
16	4763	207	302	5272	467	4206	57	5573	5306	-1223	-1356	14002	68	14070	3030	17100	49.97
17	4632	176	280	5088	284	4083	23	4545	5023	-1160	-1288	13263	68	13331	2986	16317	49.97
18	4667	704	285	5656	250	4157	2	4134	4507	-1105	-1247	13379	68	13447	2945	16392	49.92
19	4759	514	296	5569	462	4224	0	4797	4632	-1143	-1332	13567	68	13635	2989	16624	50.06
20	4794	338	310	5442	545	4188	0	4508	4369	-1112	-1284	13272	77	13349	2896	16245	50.05
21	4763	234	310	5307	580	4082	0	4411	4692	-1061	-1316	13357	71	13428	2674	16102	50.05
22	4741	168	312	5221	556	4016	0	4040	3542	-1025	-1226	12121	67	12188	2518	14706	50.09
23	4767	163	311	5241	468	3998	0	3863	3655	-1081	-1242	12144	66	12210	2445	14655	49.97
24	4759	163	311	5233	438	4087	0	3599	3236	-1021	-1213	11806	66	11872	2381	14253	50.06
MUs	113.76	7.06	7.32	128.14	16.12	101.34	0.60	111.00	111.88	-23.89	-27.21	331.50	2.41	333.91	61.73	395.64	49.98

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 14/Nov/2014

Position as on 6.30 Hrs of 15/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.	
Nasik Unit 4	210	12/11/2014	22.05	14/11/2014	16.40	ID Fan vibration problem.	
CPP WPCL U-3	135	15/11/2014	00.01		Continued.	ID fan vibration high problem	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Nov/2014

Position as on 6.30 Hrs of 15/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 : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	13/11/2014	19.38	14/11/2014	08.22	Over Voltage
Kolhapur-Mapusa-II	13/11/2014	20.19	14/11/2014	09.27	Over Voltage
Kolhapur - Mapusa - I	14/11/2014	15.15	15/11/2014	09.03	Over Voltage
Dhule-Sar'Sarovar - I	15/11/2014	17.01		Continued.	over voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - II	14/11/2014	18.01	15/11/2014	09.25	DT Received at Dhule
Dhule-Sar'Sarovar - II	15/11/2014	17.01	15/11/2014	17.10	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).
Koradi - Bhusawal	14/11/2014	09.31	14/11/2014	22.09	Maint.Work
400/220KV,315 MVA ICT-I at Kolhapur.	15/11/2014	15.18	15/11/2014	18.35	Hot spot
Deepnagar-A'bad	15/11/2014	16.05	15/11/2014	17.39	Tan delta measurement and misc.work
Chandrapur II-Dhariwal Ckt II	15/11/2014	16.07	15/11/2014	18.30	cheking of metering
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Apta-Bombay Dyeing	12/11/2014	09.52		Continued.	Bus Isolator Repl.work.(2Days).
Pedambe -Nerale	14/11/2014	08.15	14/11/2014	22.00	P.M.Work
220/132 KV 200 MVA ICT-II @ Boiser	14/11/2014	08.30	14/11/2014	11.19	Hot Spot
Bhigwan-Kurkum	14/11/2014	09.30	14/11/2014	15.45	B Phase Conductor damaged
Chitegaon-Shendra I	14/11/2014	10.30	14/11/2014	16.44	Maint.Work
Pedambe-Newkoyna	14/11/2014	10.31	15/11/2014	20.25	Hot Spot
220/132 KV 200 MVA T/F-I @ Boiser	14/11/2014	11.34	14/11/2014	15.54	CTR Commissioning work
Raymond - TKS	14/11/2014	11.49	15/11/2014	20.43	Dismantling of 220KV Teks feeder of metering CT and PT
Apata - Taloja 2	15/11/2014	15.32	15/11/2014	18.58	bunching work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	13/11/2014	16.08	14/11/2014	10.37	Over Voltage
Lonikand- Koyna Stage IV	13/11/2014	21.58	14/11/2014	06.11	Over Voltage
Karad - Kolhapur - I	14/11/2014	15.41	15/11/2014	09.42	Over Voltage
Bhusawal- Aurangabad	14/11/2014	18.04		Continued.	Over Voltage
Karad-Jaigad I	14/11/2014	20.02	15/11/2014	09.44	Over Voltage
Lonikand- Koyna Stage IV	14/11/2014	23.02	15/11/2014	08.41	over voltage
Karad-Jaigad I	15/11/2014	20.21		Continued.	over voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Nov/2014

Position as on 6.30 Hrs of 15/Nov/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Jejuri - Phursungi - II	15/11/2014	07.23	15/11/2014	10.34	Line maintenance work of phursungi-jejuri -1
Voltage Level : 400KV			Outage Type TRIPPED		
Karad-Jaigad I	13/11/2014	16.55	14/11/2014	09.01	Distance Protection
Karad - Kolhapur - II	13/11/2014	16.55	14/11/2014	09.32	Distance Protection
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
Vasai - Bhoisor (PGCIL)	13/11/2014	19.10	14/11/2014	15.37	Distance Protection
Trombay - Sonkar	14/11/2014	14.33	14/11/2014	14.55	Distance Protection
Jejuri-Phursungi - I	15/11/2014	04.12	15/11/2014	10.17	Distance protection
Voltage Level : 132KV			Outage Type TRIPPED		
Harangul - niwali	14/11/2014	04.47	14/11/2014	05.01	Distance Protection
Pangari - Telgaon	14/11/2014	20.34	14/11/2014	21.15	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/Nov/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	145
Unit 7	210	150
	620	295
Bhusawal		
Unit 2	210	0
Unit 3	210	140
Unit 4	500	300
Unit 5	500	350
	1420	790
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	150
Unit 6	250	185
Unit 7	250	180
	1130	515
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	163
Unit 4	250	163
	500	326
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	305
	852	305
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	18
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	2
BHIRA T.R.	80	40
RNGR+BHTSA	20	17
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	10
GHATGHAR	250	0
	611	226
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	1144
WARDHA	405	110
Adani	2640	2645
Other CPPs	300	745
	4545	4644
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	4823
	3455	4823