



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Nov/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/Nov/2014 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	117.494	2349.077	1) Gujrat	-2.716	73.540
2) Hydro	4.878	153.100	2) Madhya Pradesh	13.296	320.883
3) Gas	10.348	197.774	3) Chattisgarh	7.190	182.460
Total MSGENCO	132.720	2699.951	4) Maharashtra Net	81.260	1955.573
B) 1) JSW JAIGAD	26.061	523.350	(Incl. 765kV Solapur-Raichur)	-10.379	-219.339
2) WPCL	2.647	54.514	5) Goa	-6.372	-142.458
3) ADANI	62.200	1213.900	6) TAPS 1&2 Injection	3.620	74.091
4) Other CPP / IPP	20.793	412.421	7) RGPPL Injection	0.000	0.000
5) Wind Generation	1.962	135.395	8) Pench (Excess)	-0.518	-12.037
6) PENCH (MS)	0.518	12.037	# Total Cent. Sector	95.760	2452.052
7) SOLAR	1.107	20.236	F) Other Exchanges		
C) 1) TPCL Thermal	20.848	380.327	1) With TPCL (Excess)	-24.360	-513.714
2) TPCL Hydro	1.682	71.732	G) Bilateral Power *		
TOTAL TPCL	22.530	452.059	1) MSEDCL Bilateral	23.787	624.116
3) REL Thermal	11.960	251.877	Include PX	-2.287	89.980
D) STATE			2) MUMBAI Bilateral	22.927	458.927
1) Thermal (A1+C1+C3)	150.302	2981.281	Include PX	4.911	85.501
2) Hydro (A2+B6+C2)	7.078	236.869	3) MUMBAI Schedule	22.927	459.472
3) Gas (A3)	10.348	197.774	H) ENERGY CATERED (MUs)		
4) Wind (B5)	1.962	135.395	1) MSEDCL	319.408	7010.142
5) CPP/IPP (B1+B2+B3+B4)	111.701	2204.185	2) TPCL	35.053	735.793
6) SOLAR (B7)	1.107	20.236	3) REL	23.795	481.965
TOTAL STATE	282.498	5775.740	TOTAL STATE	378.256	8227.900

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	5155	5611	4672
MSGENCO Hydro	256	155	98
MSGENCO Gas	426	420	454
MSGENCO Total Generation	5837	6186	5224
Central Sector Receipt	4899	4629	2840
WIND	50	26	65
CPP / IPP	4718	4685	4562
SOLAR	173	151	0
Exchange with Mumbai	-1298	-1287	-719
MSEDCL DEMAND MET	14402	14390	11992
Load Shedding	58	65	52
MSEDCL DEMAND	14460	14455	12044
TPCL GENERATION	1181	1024	656
R-INFRA GENERATION	520	521	455
TPCL+R-INFRA DEMAND	2999	2832	1830
STATE DEMAND MET	17401	17222	13822
STATE DEMAND	17459	17287	13874
Frequency (Hz)	49.70	50.05	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.32 Hz at 13.03 Hrs	49.69 Hz at 06.35 Hrs	49.96	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 21/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	2.08	62.50	150	0	0
Unit 7	3.74	75.40	165	145	155
Total	5.81	137.90			155
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.36	36.23	160	130	165
Unit 4	7.87	168.65	485	135	500
Unit 5	7.96	135.36	435	305	470
Total	19.18	340.24			1135
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.52	75.96	160	135	145
Unit 6	4.66	96.33	250	179	185
Unit 7	4.68	96.49	250	178	185
Total	12.86	268.78			515
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.52	71.31	155	142	150
Unit 3	0.00	42.49	0	0	0
Unit 4	4.13	84.39	200	159	165
Unit 5	9.23	174.88	440	360	400
Unit 6	8.60	167.70	410	260	365
Unit 7	8.82	147.77	396	324	400
Total	34.30	688.52			1480
Paras					
Unit 3	4.59	97.18	213	177	180
Unit 4	4.53	95.46	203	179	180
Total	9.12	192.63			360
Khaparkheda					
Unit 1	3.58	78.84	165	140	162
Unit 2	3.49	76.64	160	135	162
Unit 3	3.70	83.42	162	146	162
Unit 4	3.72	83.06	163	144	162
Unit 5	9.45	166.95	440	370	397
Total	23.95	488.90			1045
Nasik					
Unit 3	4.20	85.11	195	165	190
Unit 4	4.00	75.94	180	160	190
Unit 5	4.06	71.05	179	162	190
Total	12.27	232.10			570
Uran					
All Units	10.35	197.77	464	333	445
Total	10.35	197.77			445
PENCH (MS)					
Pench (MS)	0.52	12.04	54	0	
Total	0.52	12.04			
Koyna					
Stage 1-2	1.41	44.84	180	40	600
Stage 4	0.12	16.40	120	0	240
Stage 3	0.21	13.96	112	0	250
Kovna 12&4 Total	1.53	61.23			840

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.74	75.19			1090
Hydro					
KDPH	0.00	4.60	0	0	0
VTRNA	1.04	20.14	61	0	61
TILLARI	0.38	7.48	64	0	64
BHTGR/VEER	0.07	1.69	3	2	3
BHIRA T.R.	0.20	4.24	78	0	40
RNGR+BHTSA	0.36	3.40	16	15	0
BHANDARDRA	0.00	0.80	0	0	0
ELDARY	0.28	6.34	13	10	15
SMLHY PTN	0.62	13.07	34	23	10
GHATGHAR	0.19	16.16	100	0	0
Total	3.14	77.91			193
Wind					
MalharPeth	0.05	4.45			
Vankuswadi	0.15	8.99			
ATIT	0.01	0.95			
Kale	0.04	3.55			
Satara	1.15	71.28			
Shirala	0.05	5.56			
K Mahankal	0.00	0.33			
Supa	0.03	1.34			
Vita	0.35	16.14			
Dondaicha	0.02	10.44			
Sakri	0.01	1.46			
Nandurbar	0.05	4.43			
Khandke	0.02	3.04			
Khaparale	0.02	3.44			
Total	1.96	135.40			
CPP					
JSW JAIGAD	26.06	523.35	1187	1011	1085
WARDHA	2.65	54.51	112	108	120
Adani	62.20	1213.90	2610	2520	2645
Other CPPs	20.79	408.89			745
Total	111.70	2200.66			4595
SOLAR					
Total	1.11	20.24			
Total	1.11	20.24			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.78	206.90	495	309	500
Trombay 6	3.21	78.16	154	0	500
Trombay 7A	2.06	54.12	90	81	120
Trombay 7B	1.39	32.15	59	56	60
Trombay 8	4.41	9.00	246	0	250
TATA Hydro	1.68	71.73	248	0	447
Total	22.53	452.06			1877
REL					
1&2	11.96	251.88	521	450	500
Total	11.96	251.88			500
Cent Sect					
Share					5184
Total					5184
MS PG CL	Thermal	117.49	2349.08		5260
	Thml+Gas	127.84	2546.85		5705
	Hydro	4.88	153.10		1283
	Total	132.72	2699.95		6988
State Total		282.50	5775.74		19144

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/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	4473	194	450	5117	74	4591	0	3721	3402	-772	-1071	12113	80	12193	2145	14338	49.96
2	4583	92	444	5119	90	4620	0	3372	3259	-689	-889	12199	52	12251	1960	14211	49.98
3	4672	98	454	5224	65	4562	0	3293	2840	-682	-719	11992	52	12044	1830	13874	50.01
4	4701	102	458	5261	75	4599	0	3221	2834	-682	-605	12217	52	12269	1747	14016	49.95
5	4681	103	456	5240	75	4608	0	3318	3123	-682	-527	12572	53	12625	1727	14352	49.93
6	4765	93	458	5316	84	4655	0	3744	3702	-682	-498	13312	61	13373	1816	15189	49.93
7	4838	97	463	5398	109	4755	3	4421	4135	-684	-502	13950	77	14027	1936	15963	49.83
8	4882	163	460	5505	104	4833	21	4565	4290	-759	-617	14190	77	14267	2055	16322	49.90
9	4921	173	454	5548	71	4865	78	4410	3992	-854	-740	13837	72	13909	2300	16209	49.96
10	4900	225	435	5560	52	4896	117	4558	4346	-1011	-1081	13913	66	13979	2689	16668	49.98
11	4933	307	432	5672	67	4764	149	4773	4773	-1191	-1270	14178	56	14234	2901	17135	49.95
12	5155	256	426	5837	50	4718	173	4822	4899	-1218	-1298	14402	58	14460	2999	17459	49.70
13	5575	159	420	6154	29	4687	155	4626	4364	-1160	-1364	14038	116	14154	2949	17103	49.96
14	5611	155	420	6186	26	4685	151	4522	4629	-1071	-1287	14390	65	14455	2832	17287	50.05
15	5390	161	421	5972	20	4665	125	4722	4771	-1096	-1335	14218	59	14277	2899	17176	49.98
16	4974	304	333	5611	25	4605	88	4780	5130	-1107	-1202	14257	55	14312	2909	17221	49.89
17	4826	433	336	5595	42	4609	41	4489	4649	-1081	-1242	13694	58	13752	2889	16641	49.97
18	4842	310	338	5490	88	4574	6	4231	4146	-1062	-1235	13069	61	13130	2841	15971	49.99
19	4820	274	392	5486	162	4586	0	4786	4617	-1113	-1218	13660	65	13725	2888	16613	49.98
20	4850	259	452	5561	185	4632	0	5039	4697	-1186	-1181	13917	67	13984	2784	16768	50.04
21	4822	222	459	5503	159	4557	0	4412	3750	-1116	-1100	12896	61	12957	2654	15611	50.03
22	4801	245	460	5506	122	4467	0	3539	3385	-1054	-1133	12360	59	12419	2474	14893	50.02
23	4739	294	463	5496	108	4589	0	3232	2955	-1012	-1145	12014	59	12073	2359	14432	49.96
24	4740	159	464	5363	80	4579	0	3325	3072	-960	-1101	12020	59	12079	2267	14346	50.00
MUs	117.49	4.88	10.35	132.72	1.96	111.70	1.11	99.92	95.76	-22.93	-24.36	319.41	1.54	320.95	58.85	379.80	49.96

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 21/Nov/2014

Position as on 6.30 Hrs of 22/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	
Chandrapur Unit 3	210	12/11/2014	20.58		Continued.	Coal Shortage.	
CPP WPCL U-3	135	15/11/2014	00.01		Continued.	ID fan vibration high problem	
Uran Unit 7	108	17/11/2014	17.16		Continued.	Gas Shortage.	
Koradi Unit 6	210	18/11/2014	16.11	21/11/2014	07.00	ID Fan Problem.	
Tata Trombay 8	250	19/11/2014	16.11	21/11/2014	02.11	Turbine Vibration High.	
Bhusawal Unit 4	500	20/11/2014	21.13	21/11/2014	00.08	Gen.T/F Oil Leakage	
Tata Trombay 6	500	21/11/2014	21.11		Continued.	Economic Shut Down	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Nov/2014

Position as on 6.30 Hrs of 22/Nov/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Borivali	21/11/2014	14.51		Continued.	Mumbai Strengthening work (for 5 Days)
Mudshungi - Chikodi	21/11/2014	17.27	21/11/2014	20.17	Hot Spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	20/11/2014	18.19	21/11/2014	08.35	Over Voltage
Dhule-Sar'Sarovar - I	20/11/2014	21.37	21/11/2014	09.35	Over Voltage
Kolhapur - Mapusa - I	21/11/2014	20.23		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	21/11/2014	22.01		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.
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).
400/11.5/6.6 KV 70 MVA Station T/F 5A @ Khaparkheda	18/11/2014	10.50		Continued.	Oil Pump Repl and oil filtration work.
Chandrapur II - Dhariwal - I	18/11/2014	15.49		Continued.	To check C.T. & P.T.
400/11.5 KV 80 MVA Stn T/F - I @ Chandrapur	19/11/2014	08.55		Continued.	Testing work by MSPGCL.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/110KV, 200MVA T/F-III at Mudshingi	17/11/2014	09.00		Continued.	To repl.BKR pole,Taken on TBC.
Kalwa-Temghar	21/11/2014	05.54	21/11/2014	11.09	Hot Spot
Taloja-OCIL-II	21/11/2014	08.12	21/11/2014	18.32	Tan Delta measurement
Kurkumb-Bhigwan	21/11/2014	09.20	21/11/2014	11.15	To Repair Y Phase Cross Arm
Chikhali - Jalna - I	21/11/2014	09.37	21/11/2014	20.40	Balance Rectification work
Lonand - Bothe (Surwadi)	21/11/2014	09.40	21/11/2014	15.34	Q.M.Work
Padgha-Wada	21/11/2014	09.47	21/11/2014	16.52	Tan Delta measurement
Mahad-Pasco	21/11/2014	09.48	21/11/2014	14.12	Bus Isolator Maint.work
Lonikand-Kathapur	21/11/2014	09.55	21/11/2014	14.05	CT Oil Leakage
Padgha - Nalasopara	21/11/2014	10.59	21/11/2014	17.20	Hot Spot
Kalwa-Colourchem	21/11/2014	11.32	21/11/2014	14.46	Maint.work
Gadchandur-Virur-II	21/11/2014	12.00	21/11/2014	21.05	Repl.of B Phase CC
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Jaigad I	19/11/2014	21.59	21/11/2014	10.15	Over Voltage.
Karad - Kolhapur - II	20/11/2014	16.55	21/11/2014	07.17	Over Voltage
Bhusawal- Aurangabad	20/11/2014	20.08	22/11/2014	06.21	Over Voltage
Karad - Kolhapur - I	21/11/2014	16.37		Continued.	Over Voltage
Karad-Jaigad I	21/11/2014	17.06		Continued.	Over Voltage
Lonikand- Koyna Stage IV	21/11/2014	21.01	22/11/2014	06.24	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Nov/2014

Position as on 6.30 Hrs of 22/Nov/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Butibori III-Butibori I	18/11/2014	19.37	21/11/2014	18.49	Bus Bar Prot Optd 220KV Butibori Ckt I B-Ph line CT Burst.
220/22KV 100MVA T/F-I at Kamba	21/11/2014	10.04		Continued.	Differential operated
Trombay(T)-Trombay(M)Tie-I	21/11/2014	20.55	21/11/2014	21.39	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Himayatnagar-Kinwat	21/11/2014	10.40	21/11/2014	11.00	Back Up protection operated

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/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	138
Unit 4	500	325
Unit 5	500	292
	1420	755
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	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	180
Unit 2	210	180
Unit 3	210	180
Unit 4	210	180
Unit 5	500	420
	1340	1140
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	460
	852	460
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	0
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	2
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	11
SMLHY PTN	12	0
GHATGHAR	250	0
	611	233
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	1090
WARDHA	405	110
Adani	2640	2645
Other CPPs	300	745
	4545	4590
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	4928
	3455	4928