



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

State Load Dispatch Center, Airoli

Daily system Report

for

18/Nov/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 18/Nov/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	111.706	2004.664	1) Gujrat	-2.915	79.067
2) Hydro	7.058	136.389	2) Madhya Pradesh	14.773	278.886
3) Gas	6.956	170.284	3) Chattisgarh	7.990	160.310
Total MSGENCO	125.720	2311.337	4) Maharashtra Net	91.455	1700.233
B) 1) JSW JAIGAD	24.822	445.206	(Incl. 765kV Solapur-Raichur)	-11.623	-187.392
2) WPCL	2.489	46.571	5) Goa	-6.240	-122.871
3) ADANI	60.730	1030.750	6) TAPS 1&2 Injection	3.628	63.245
4) Other CPP / IPP	20.903	346.487	7) RGPPL Injection	0.000	0.000
5) Wind Generation	4.583	123.142	8) Pench (Excess)	-0.466	-10.392
6) PENCH (MS)	0.466	10.392	# Total Cent. Sector	108.225	2148.478
7) SOLAR	1.013	17.100	F) Other Exchanges		
C) 1) TPCL Thermal	18.091	324.670	1) With TPCL (Excess)	-28.567	-431.939
2) TPCL Hydro	3.353	62.480	G) Bilateral Power *		
TOTAL TPCL	21.444	387.150	1) MSEDCL Bilateral	21.904	550.231
3) REL Thermal	11.945	216.075	Include PX	-3.005	92.267
D) STATE			2) MUMBAI Bilateral	22.947	389.218
1) Thermal (A1+C1+C3)	141.742	2545.409	Include PX	5.076	71.061
2) Hydro (A2+B6+C2)	10.877	209.261	3) MUMBAI Schedule	22.947	389.763
3) Gas (A3)	6.956	170.284	H) ENERGY CATERED (MUs)		
4) Wind (B5)	4.583	123.142	1) MSEDCL	320.384	6047.524
5) CPP/IPP (B1+B2+B3+B4)	108.944	1869.014	2) TPCL	37.324	626.439
6) SOLAR (B7)	1.013	17.100	3) REL	24.631	408.838
TOTAL STATE	274.115	4934.210	TOTAL STATE	382.339	7082.801

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	4872	4476	4812
MSGENCO Hydro	358	589	115
MSGENCO Gas	286	284	295
MSGENCO Total Generation	5516	5349	5222
Central Sector Receipt	5331	5454	3510
WIND	149	203	101
CPP / IPP	4561	4809	4303
SOLAR	163	0	0
Exchange with Mumbai	-1445	-1329	-967
MSEDCL DEMAND MET	14279	14508	12180
Load Shedding	59	62	52
MSEDCL DEMAND	14338	14570	12232
TPCL GENERATION	1167	1184	594
R-INFRA GENERATION	517	513	450
TPCL+R-INFRA DEMAND	3129	3026	2011
STATE DEMAND MET	17408	17534	14191
STATE DEMAND	17467	17596	14243
Frequency (Hz)	50.01	49.94	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.35 Hz at 21:55 Hrs	49.63 Hz at 16:46 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 18/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	2.32	60.43	152	0	140
Unit 7	3.42	64.17	160	120	155
Total	5.74	124.60			295
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.37	26.09	160	130	140
Unit 4	7.88	144.24	480	305	300
Unit 5	7.84	110.26	445	300	300
Total	19.08	280.60			740
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.66	65.26	166	146	150
Unit 6	4.87	81.95	250	191	190
Unit 7	4.95	82.14	250	170	190
Total	13.48	229.35			530
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.49	60.96	151	140	150
Unit 3	0.00	42.49	0	0	0
Unit 4	4.41	71.74	198	165	190
Unit 5	9.30	146.96	450	356	400
Unit 6	8.79	141.70	430	325	400
Unit 7	1.64	130.36	364	0	0
Total	27.63	594.21			1140
Paras					
Unit 3	4.81	83.51	250	182	180
Unit 4	4.62	81.73	218	178	180
Total	9.43	165.24			360
Khaparkheda					
Unit 1	3.30	68.05	155	110	180
Unit 2	3.44	66.18	155	120	180
Unit 3	3.78	72.04	212	140	170
Unit 4	3.77	71.85	208	142	180
Unit 5	9.82	137.45	500	375	420
Total	24.11	415.58			1130
Nasik					
Unit 3	4.12	72.57	195	160	190
Unit 4	4.08	63.76	192	156	190
Unit 5	4.03	58.76	187	160	190
Total	12.23	195.09			570
Uran					
All Units	6.96	170.28	305	279	470
Total	6.96	170.28			470
PENCH (MS)					
Pench (MS)	0.47	10.39	47	0	0
Total	0.47	10.39			0
Koyna					
Stage 1-2	2.03	39.02	330	40	600
Stage 4	0.19	15.64	131	0	250
Stage 3	1.09	12.60	154	0	240
Kovna 12&4 Total	2.22	54.65			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.30	67.26			1090
Hydro					
KDPH	0.00	4.60	0	0	0
VTRNA	1.06	16.85	61	0	61
TILLARI	0.36	6.37	62	0	64
BHTGR/VEER	0.08	1.47	4	3	4
BHIRA T.R.	0.14	3.66	40	0	40
RNGR+BHTSA	0.00	3.03	0	0	0
BHANDARDRA	0.00	0.80	0	0	0
ELDARY	0.33	5.37	15	11	0
SMLHY PTN	1.43	11.18	67	56	24
GHATGHAR	0.36	15.81	241	0	0
Total	3.75	69.13			193
Wind					
MalharPeth	0.13	4.12			
Vankuswadi	0.32	8.24			
ATIT	0.03	0.86			
Kale	0.11	3.30			
Satara	1.99	64.46			
Shirala	0.21	5.02			
K Mahankal	0.01	0.31			
Supa	0.03	1.21			
Vita	0.47	14.64			
Dondaicha	0.73	9.77			
Sakri	0.07	1.39			
Nandurbar	0.22	3.96			
Khandke	0.10	2.67			
Khaparale	0.16	3.18			
Total	4.58	123.14			
CPP					
JSW JAIGAD	24.82	445.21	1182	879	1085
WARDHA	2.49	46.57	112	87	110
Adani	60.73	1030.75	2610	2280	2645
Other CPPs	20.90	342.96			745
Total	108.94	1865.48			4585
SOLAR					
Total	1.01	17.10			
Total	1.01	17.10			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.70	178.83	465	315	500
Trombay 6	3.76	67.55	159	154	500
Trombay 7A	1.62	48.37	69	67	120
Trombay 7B	1.25	28.17	53	51	60
Trombay 8	1.75	1.75	150	0	0
TATA Hydro	3.35	62.48	377	0	447
Total	21.44	387.15			1627
REL					
1&2	11.94	216.08	519	448	500
Total	11.94	216.08			500
Cent Sect					
Share					4982
Total					4982
MS PG CL	Thermal	111.71	2004.66		4765
	Thml+Gas	118.66	2174.95		5235
	Hydro	7.06	136.39		1283
	Total	125.72	2311.34		6518
State Total		274.12	4934.21		18212

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 18/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	4791	115	295	5201	84	4555	0	4078	3589	-765	-1152	12288	78	12366	2216	14582	49.99
2	4812	115	295	5222	101	4303	0	3940	3510	-733	-967	12180	52	12232	2011	14243	50.01
3	4802	120	295	5217	138	4278	0	3974	3712	-690	-856	12516	52	12568	1897	14465	49.99
4	4807	120	295	5222	154	4216	0	4024	3626	-715	-778	12463	52	12515	1820	14335	50.00
5	4658	115	297	5070	128	4180	0	3939	4078	-721	-768	12715	53	12768	1808	14576	49.95
6	4491	145	297	4933	207	4409	0	3929	4362	-759	-826	13096	62	13158	1890	15048	49.93
7	4566	380	295	5241	174	4639	0	4279	4177	-787	-806	13452	77	13529	2027	15556	49.88
8	4595	261	297	5153	174	4707	12	4492	4475	-818	-912	13635	77	13712	2160	15872	49.96
9	4584	270	290	5144	179	4592	60	4489	4389	-781	-1127	13248	72	13320	2436	15756	50.02
10	4604	331	285	5220	196	4589	111	4851	4485	-945	-1255	13357	65	13422	2789	16211	50.01
11	4651	331	286	5268	169	4567	146	5108	5172	-1118	-1318	14015	57	14072	3041	17113	50.03
12	4872	358	286	5516	149	4561	163	5173	5331	-1196	-1445	14279	59	14338	3129	17467	50.01
13	5457	238	305	6000	152	4486	139	5146	4526	-1163	-1449	13854	113	13967	3091	17058	50.02
14	5040	225	285	5550	190	4377	137	5093	5255	-1107	-1403	14133	61	14194	3006	17200	50.01
15	4967	197	280	5444	173	4316	126	5122	5462	-1128	-1378	14170	56	14226	3047	17273	49.94
16	4813	522	279	5614	172	4600	72	5135	5138	-1137	-1392	14234	56	14290	3072	17362	49.95
17	4493	311	281	5085	177	4655	42	5081	5093	-1115	-1354	13745	57	13802	3051	16853	49.85
18	4447	300	283	5030	177	4637	5	4853	4968	-1059	-1425	13439	60	13499	3001	16500	49.93
19	4476	589	284	5349	203	4809	0	4954	5454	-1090	-1329	14508	62	14570	3026	17596	49.94
20	4430	648	288	5366	172	4752	0	5003	4976	-1227	-1438	13849	61	13910	2938	16848	49.99
21	4386	634	285	5305	211	4791	0	4627	4778	-1094	-1384	13711	56	13767	2783	16550	50.02
22	4371	290	289	4950	417	4770	0	4270	4023	-1046	-1285	12875	52	12927	2647	15574	50.07
23	4301	254	292	4847	403	4622	0	4180	3904	-906	-1249	12537	52	12589	2571	15160	49.96
24	4302	189	292	4783	283	4533	0	4121	3742	-846	-1271	12095	52	12147	2499	14646	49.99
MUs	111.7 2	7.06	6.96	125.73	4.58	108.9 4	1.01	109.86	108.22	-22.95	-28.57	320.39	1.49	321.89	61.96	383.84	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 18/Nov/2014

Position as on 6.30 Hrs of 19/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	18/11/2014	12.42	Gas shortage.	
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	
Tata Trombay 8	250	16/11/2014	22.06	18/11/2014	08.30	Turbine Vibration High	
Uran Unit 7	108	17/11/2014	17.16		Continued.	Gas Shortage.	
Chandrapur Unit 7	500	18/11/2014	04.45		Continued.	High drum level.	
Uran Unit 5	108	18/11/2014	13.17		Continued.	Gas Shortage.	
Koradi Unit 6	210	18/11/2014	16.11		Continued.	ID Fan Problem.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 18/Nov/2014

Position as on 6.30 Hrs of 19/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		
Kolhapur - Mapusa - I	17/11/2014	16.40		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	17/11/2014	17.53	19/11/2014	05.57	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	18/11/2014	00.13	18/11/2014	07.17	Over Voltage.
Kolhapur-Solapur (PG) II	19/11/2014	00.16		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.
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.
Chikhali - Jalna - I	18/11/2014	08.50	18/11/2014	18.35	For balance rectification work.
Wadkhal-IPCL I	18/11/2014	10.53	18/11/2014	13.30	Maint.Work.
Chandrapur-Sicom - I	18/11/2014	11.14	18/11/2014	16.42	Measurement of tan delta of CT.
Wadkhal-IPCL I	18/11/2014	14.30	18/11/2014	16.30	To attend hot spot.
AUX BUS at Murud	18/11/2014	15.00	18/11/2014	16.50	Measurement of BKR Timings.Measurement of contact
Nagothane - ACCIL	18/11/2014	15.22	18/11/2014	18.43	Maint.work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Kalwa-Kharghar	18/11/2014	08.35	18/11/2014	19.42	To attend hot spot and faulty insulator string.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Jaigad I	15/11/2014	20.21		Continued.	over voltage
Karad - Kolhapur - I	17/11/2014	16.12	18/11/2014	09.23	Over Voltage.
Bhusawal- Aurangabad	17/11/2014	17.55		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	18/11/2014	00.01	18/11/2014	06.50	Over Voltage.
Karad - Kolhapur - I	18/11/2014	17.04		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Talegaon PG - Aurangabad - II	18/11/2014	05.26		Continued.	Dist Prot.
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
Hingoli-Girawali	18/11/2014	02.13	18/11/2014	12.31	Dist.Prot.
Mulund-Trombay	18/11/2014	12.26	18/11/2014	13.07	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 18/Nov/2014

Position as on 6.30 Hrs of 19/Nov/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Kalwa - Tifil	18/11/2014	14.28	18/11/2014	15.10	Dist.Prot.
Khaparkheda-Butibori 3	18/11/2014	19.37	18/11/2014	20.29	Bus Bar Prot Optd 220KV Butibori Ckt I B-Ph line CT Burst.
Butibori III-Butibori I	18/11/2014	19.37		Continued.	Bus Bar Prot Optd 220KV Butibori Ckt I B-Ph line CT Burst.
Butibori III-Purti	18/11/2014	19.37	18/11/2014	20.26	Bus Bar Prot Optd 220KV Butibori Ckt I B-Ph line CT Burst.
Butibori III-VIPL II	18/11/2014	19.37	18/11/2014	20.28	Bus Bar Prot Optd 220KV Butibori Ckt I B-Ph line CT Burst.
Voltage Level : 132KV			Outage Type TRIPPED		
Akola - Paras-II	18/11/2014	15.08	18/11/2014	19.18	B-Ph Wave trap jumper broken.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 19/Nov/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	150
	620	150
Bhusawal		
Unit 2	210	0
Unit 3	210	125
Unit 4	500	282
Unit 5	500	282
	1420	689
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	150
Unit 6	250	190
Unit 7	250	190
	1130	530
Chandrapur		
Unit 1	210	0
Unit 2	210	150
Unit 3	210	0
Unit 4	210	190
Unit 5	500	400
Unit 6	500	400
Unit 7	500	0
	2340	1140
Paras		
Unit 3	250	163
Unit 4	250	163
	500	326
Khaparkheda		
Unit 1	210	162
Unit 2	210	162
Unit 3	210	162
Unit 4	210	162
Unit 5	500	396
	1340	1044
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	300
	852	300
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	240
Stage 3	320	250
	1920	1090
Hydro		
KDPH	40	0
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	4
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	9
SMLHY PTN	12	15
GHATGHAR	250	0
	611	193
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	1085
WARDHA	405	110
Adani	2640	2645
Other CPPs	300	745
	4545	4585
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	5050
	3455	5050