



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

State Load Dispatch Center, Airoli

Daily system Report

for

18/Jan/2015

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 18/Jan/2015 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	129.134	2221.061	1) Gujrat	4.592	23.934
2) Hydro	6.025	124.192	2) Madhya Pradesh	14.840	223.789
3) Gas	7.576	150.038	3) Chattisgarh	0.000	73.870
Total MSGENCO	142.735	2495.291	4) Maharashtra Net	90.565	1462.647
B) 1) JSW JAIGAD	19.806	361.867	(Incl. 765kV Solapur-Raichur)	-8.097	-147.457
2) WPCL	2.582	44.132	5) Goa	-5.373	-108.051
3) ADANI	47.880	803.010	6) TAPS 1&2 Injection	0.000	31.936
4) Other CPP / IPP	23.566	429.650	7) RGPPL Injection	0.000	0.000
5) Wind Generation	3.378	80.234	8) Pench (Excess)	-0.554	-9.063
6) PENCH (MS)	0.554	9.063	# Total Cent. Sector	104.070	1699.062
7) SOLAR	1.161	18.589	F) Other Exchanges		
C) 1) TPCL Thermal	9.017	174.881	1) With TPCL (Excess)	-24.754	-457.676
2) TPCL Hydro	3.289	79.948	G) Bilateral Power *		
TOTAL TPCL	12.306	254.829	1) MSEDCL Bilateral	26.436	362.528
3) REL Thermal	1.556	100.118	Include PX	0.299	-98.726
D) STATE			2) MUMBAI Bilateral	20.322	392.364
1) Thermal (A1+C1+C3)	139.707	2496.060	Include PX	2.535	55.544
2) Hydro (A2+B6+C2)	9.868	213.203	3) MUMBAI Schedule	20.322	395.136
3) Gas (A3)	7.576	150.038	H) ENERGY CATERED (MUs)		
4) Wind (B5)	3.378	80.234	1) MSEDCL	320.978	5483.222
5) CPP/IPP (B1+B2+B3+B4)	93.834	1638.659	2) TPCL	24.043	500.581
6) SOLAR (B7)	1.161	18.589	3) REL	14.576	312.036
TOTAL STATE	255.524	4596.783	TOTAL STATE	359.597	6295.839

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5807	5383	5088
MSGENCO Hydro	327	274	144
MSGENCO Gas	310	306	327
MSGENCO Total Generation	6444	5963	5559
Central Sector Receipt	5655	5733	2834
WIND	248	61	151
CPP / IPP	4409	4121	3732
SOLAR	100	176	0
Exchange with Mumbai	-1085	-1030	-861
MSEDCL DEMAND MET	15795	15049	11440
Load Shedding	165	102	77
MSEDCL DEMAND	15960	15151	11517
TPCL GENERATION	672	737	384
R-INFRA GENERATION	0	0	0
TPCL+R-INFRA DEMAND	1757	1767	1245
STATE DEMAND MET	17552	16816	12685
STATE DEMAND	17717	16918	12762
Frequency (Hz)	49.94	49.98	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.24 Hz at 18.01 Hrs	49.56 Hz at 08.49 Hrs	49.94	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/Jan/2015

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	3.92	56.75	172	152	153
Unit 7	3.84	66.55	175	140	159
Total	7.76	123.30			312
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	2.31	22.46	170	0	0
Unit 4	9.49	165.18	505	355	348
Unit 5	9.37	162.92	480	360	348
Total	21.17	350.57			696
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.86	35.17	169	155	155
Unit 5	3.61	64.87	158	146	153
Unit 6	4.89	87.22	238	190	188
Unit 7	4.98	72.06	223	184	190
Total	17.34	259.32			686
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.02	55.83	131	118	130
Unit 3	4.13	45.77	190	163	200
Unit 4	3.12	74.87	144	0	200
Unit 5	9.19	162.94	450	363	450
Unit 6	8.56	149.35	390	330	400
Unit 7	8.88	159.38	447	299	450
Total	36.91	648.14			1830
Paras					
Unit 3	4.86	83.68	222	185	220
Unit 4	1.53	71.95	201	0	0
Total	6.39	155.63			220
Khaparkheda					
Unit 1	4.25	72.34	180	170	200
Unit 2	3.41	67.02	165	120	190
Unit 3	4.37	77.58	194	170	210
Unit 4	4.39	68.98	202	173	210
Unit 5	10.26	180.24	480	390	500
Total	26.68	466.15			1310
Nasik					
Unit 3	4.32	76.46	205	170	182
Unit 4	4.23	75.97	192	168	182
Unit 5	4.32	65.52	204	165	182
Total	12.88	217.95			546
Uran					
All Units	7.58	150.04	327	294	325
Total	7.58	150.04			325
PENCH (MS)					
Pench (MS)	0.55	9.06	26	10	
Total	0.55	9.06			
Koyna					
Stage 1-2	1.86	46.43	375	40	600
Stage 4	0.00	9.44	0	0	250
Stage 3	0.22	12.40	84	0	240
Kovna 12&4 Total	1.86	55.88			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.08	68.28			1090
Hydro					
KDPH	0.89	5.03	37	36	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.23	6.28	63	0	60
BHTGR/VEER	0.09	1.64	4	3	4
BHIRA T.R.	0.22	4.34	80	0	80
RNGR+BHTSA	0.34	5.75	15	14	14
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.25	18.18	59	49	10
GHATGHAR	0.93	14.69	125	0	0
Total	3.94	55.92			186
Wind					
MalharPeth	0.10	2.13			
Vankuswadi	0.13	3.77			
ATIT	0.01	0.42			
Kale	0.06	1.60			
Satara	1.26	39.74			
Shirala	0.10	2.36			
K Mahankal	0.00	0.20			
Supa	0.05	0.81			
Vita	0.30	12.19			
Dondaicha	0.89	8.78			
Sakri	0.10	1.07			
Nandurbar	0.22	3.17			
Khandke	0.10	2.43			
Khaparale	0.06	1.55			
Total	3.38	80.23			
CPP					
JSW JAIGAD	19.81	361.87	965	758	862
WARDHA	2.58	44.13	118	100	118
Adani	47.88	803.01	2240	1790	2466
Other CPPs	23.57	429.65			745
Total	93.83	1638.66			4191
SOLAR					
Total	1.16	18.59			
Total	1.16	18.59			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	21.75	0	0	0
Trombay 6	3.61	55.75	152	147	500
Trombay 7A	0.00	0.00	0	0	0
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	5.41	97.38	251	189	250
TATA Hydro	3.29	79.95	351	0	447
Total	12.31	254.83			1197
REL					
1&2	1.56	100.12	226	0	0
Total	1.56	100.12			0
Cent Sect					
Share					5875
Total					5875
MS PG CL	Thermal	129.13	2221.06		5600
	Thml+Gas	136.71	2371.10		5925
	Hydro	6.02	124.19		1276
	Total	142.74	2495.29		7201
State Total		255.52	4596.78		18464

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 18/Jan/2015

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	5092	199	327	5618	129	3675	0	2804	2995	-817	-1020	11422	118	11540	1436	12976	49.90
2	5070	144	326	5540	147	3697	0	2846	2971	-768	-915	11465	73	11538	1314	12852	49.98
3	5088	144	327	5559	151	3732	0	2927	2834	-715	-861	11440	77	11517	1245	12762	49.98
4	5099	144	324	5567	174	3464	9	2969	3122	-708	-857	11502	77	11579	1207	12786	49.94
5	5061	144	326	5531	166	3496	0	3370	3195	-714	-862	11550	79	11629	1214	12843	49.96
6	5091	148	326	5565	148	3658	0	4222	4022	-749	-920	12483	89	12572	1272	13844	49.98
7	5163	144	326	5633	177	3688	0	4901	4728	-792	-945	13305	133	13438	1323	14761	49.96
8	5121	444	325	5890	243	3846	10	5311	5428	-799	-926	14515	191	14706	1403	16109	49.82
9	5659	171	322	6152	309	4224	47	5481	5458	-977	-907	15307	267	15574	1571	17145	49.75
10	5807	327	310	6444	248	4409	100	5535	5655	-1103	-1085	15795	165	15960	1757	17717	49.94
11	5839	436	306	6581	154	4444	139	5599	5565	-1179	-1238	15669	138	15807	1891	17698	49.81
12	5902	364	304	6570	139	4404	173	5739	5585	-1215	-1218	15678	121	15799	1886	17685	49.91
13	5854	331	304	6489	76	4308	165	5639	5388	-1149	-1172	15279	161	15440	1843	17283	49.87
14	5383	274	306	5963	61	4121	176	5454	5733	-937	-1030	15049	102	15151	1767	16918	49.98
15	5386	330	304	6020	36	4114	157	5303	5475	-780	-942	14885	79	14964	1699	16663	49.96
16	5421	349	294	6064	60	4089	113	5265	5397	-705	-1010	14736	69	14805	1634	16439	49.97
17	5424	328	306	6058	83	4079	56	4818	4795	-694	-967	14127	73	14200	1620	15820	50.04
18	5467	159	308	5934	100	3868	16	4038	3793	-680	-1036	12688	76	12764	1677	14441	50.02
19	5470	217	315	6002	151	3863	0	4428	4510	-794	-1182	13368	73	13441	1841	15282	49.97
20	5419	213	316	5948	133	3830	0	4506	4544	-830	-1079	13400	69	13469	1951	15420	49.96
21	5409	145	316	5870	110	3760	0	4256	4069	-793	-1169	12657	66	12723	1925	14648	49.99
22	5410	150	317	5877	107	3638	0	3615	3383	-836	-1256	11775	61	11836	1827	13663	49.97
23	5343	480	318	6141	135	3637	0	2685	2910	-828	-1124	11725	61	11786	1729	13515	49.87
24	5156	240	323	5719	141	3790	0	2714	2515	-759	-1033	11158	61	11219	1584	12803	50.04
MUs	129.1 3	6.02	7.58	142.74	3.38	93.83	1.16	104.42	104.07	-20.32	-24.75	320.98	2.48	323.46	38.62	362.07	49.94

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/Jan/2015

Position as on 6.30 Hrs of 19/Jan/2015

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	
Cent_Sect Tarapur 1	160	12/10/2014	22.39		Continued.	Refuelling work.(60Days)	
Hydro GhatgharU2	125	23/12/2014	08.30		Continued.	Annual Overhaul	
Tata Trombay 5	500	03/01/2015	20.30		Continued.	Annual Maintenance	
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	
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	
Tata Trombay 7B	60	11/12/2014	20.39		Continued.	Mandatory Gas Path Inspection.	
Tata Trombay 7A	120	11/12/2014	21.51		Continued.	Mandatory Gas Path Inspection.	
Cent_Sect TARAPUR-4	540	19/12/2014	19.04		Continued.	W/Dn.	
CPP WPCL U-3	135	25/12/2014	14.02		Continued.	ID Fan Problem.	
Uran Unit 7	108	28/12/2014	04.49		Continued.	Gas Shortage.	
CPP JSW (J) U2	300	02/01/2015	20.51		Continued.	W/Dn.	
REL 2	250	04/01/2015	01.55		Continued.	Stator E/F.	
CPP Adani U-4	660	04/01/2015	03.24		Continued.	MOV Leakage	
Bhusawal Unit 3	210	11/01/2015	08.23	18/01/2015	07.41	Boiler Tube leakage	
Uran Unit B0	120	12/01/2015	06.35		Continued.	Gas Shortage.	
Uran Unit 8	108	12/01/2015	06.40		Continued.	Gas Shortage.	
Cent_Sect Tarapur 2	160	13/01/2015	20.06		Continued.	Pump Maintenance.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 18/Jan/2015

Position as on 6.30 Hrs of 19/Jan/2015

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Paras Unit 4	250	16/01/2015	00.01	18/01/2015	15.04	BLR T/L.	
REL 1	250	17/01/2015	00.45	18/01/2015	15.44	BLR T/L.	
CPP IPL U-1	270	18/01/2015	03.05	18/01/2015	04.30	Vibration Problem	
Chandrapur Unit 4	210	18/01/2015	23.03		Continued.	Boiler Parts repairing work	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 18/Jan/2015

Position as on 6.30 Hrs of 19/Jan/2015

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Koradi-Bhilai	15/01/2015	10.27		Continued.	Tower shifting work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Borivali	21/11/2014	14.51		Continued.	Mumbai Strengthening work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - II	16/01/2015	20.01		Continued.	Over Voltage.
Kolhapur - Mapusa - I	17/01/2015	16.42	18/01/2015	10.08	Over Voltage.
Kolhapur-Mapusa-II	18/01/2015	16.12		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	18/01/2015	17.26		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane-II	13/12/2014	00.00		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 500 MVA ICT - I @ Warora	23/11/2014	08.10		Continued.	Leakage in Nitrogen Cylinder of B Ph CTR System.
400/220 KV 105 MVA Spare ICT @ Akola.	06/01/2015	09.50		Continued.	Oil Filtration of Main Tank & OLTC Due to Rise in Water Content.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Ghodbandar - Bhoisor (MSETCL)	25/11/2014	11.36		Continued.	Erection & Stringing Work.
TBC @ 400 KV Parli-II	07/01/2015	15.48		Continued.	Shifting of CR Panel from 220KV Girawali C/R to 400KV C/R.
Padgha - Nalasopara	09/01/2015	13.00	18/01/2015	18.34	shift load of nalasopara on boiser pg
Padgha-Vasai	09/01/2015	13.12	18/01/2015	18.01	maintance work
220/132 KV 200 MVA T/F-II @ Kurkumbh	16/01/2015	08.25		Continued.	Repl.of conductor.
220/132KV 200MVA ICT-II at Mudshingi	16/01/2015	10.10	16/01/2015	Continued.	Q.M.Work.
Kalwa-Temghar	18/01/2015	09.55	18/01/2015	15.14	Hot Spot
220/100KV 200MVA ICT-III at Trombay	18/01/2015	10.39	18/01/2015	14.36	Relay Testing work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bableshwar-Taptitanda II	12/01/2015	23.46	18/01/2015	10.31	Over Voltage.
400/220KV 500MVA ICT-II at Warora	16/01/2015	10.43		Continued.	CTR problem.
Karad - Kolhapur - II	17/01/2015	16.34	18/01/2015	07.47	Over Voltage.
Karad-Jaigad I	17/01/2015	16.41	18/01/2015	07.52	Over Voltage.
Bhusawal- Aurangabad	17/01/2015	20.06	18/01/2015	08.36	Over Voltage.
Lonikand- Koyna Stage IV	17/01/2015	21.50	18/01/2015	07.16	Over Voltage.
Karad - Kolhapur - I	18/01/2015	16.11		Continued.	Over Voltage
Karad-Jaigad I	18/01/2015	16.57		Continued.	Over Voltage
Bhusawal- Aurangabad	18/01/2015	18.05		Continued.	Over Voltage
Bableshwar-Taptitanda I	18/01/2015	19.47		Continued.	Over Voltage
Lonikand- Koyna Stage IV	18/01/2015	21.45		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
765KV Koradi-III -- Tiroda - II	24/12/2014	15.38		Continued.	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 18/Jan/2015

Position as on 6.30 Hrs of 19/Jan/2015

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
New Koyna - Dabhol - I	02/01/2015	03.02		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
220/132KV 100 MVA,ICT-I at Jeur	31/12/2014	21.28		Continued.	Diff.Prot.Optd.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 19/Jan/2015

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	160
Unit 7	210	160
	620	320
Bhusawal		
Unit 2	210	0
Unit 3	210	165
Unit 4	500	360
Unit 5	500	360
	1420	885
Parli		
Unit 3	210	0
Unit 4	210	161
Unit 5	210	162
Unit 6	250	188
Unit 7	250	190
	1130	701
Chandrapur		
Unit 1	210	0
Unit 2	210	130
Unit 3	210	200
Unit 4	210	0
Unit 5	500	450
Unit 6	500	400
Unit 7	500	450
	2340	1630
Paras		
Unit 3	250	220
Unit 4	250	220
	500	440
Khaparkheda		
Unit 1	210	200
Unit 2	210	180
Unit 3	210	210
Unit 4	210	210
Unit 5	500	500
	1340	1300
Nasik		
Unit 3	210	182
Unit 4	210	182
Unit 5	210	182
	630	546
Uran		
All Units	852	325
	852	325
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	18
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	3
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	185
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	933
WARDHA	405	118
Adani	2640	2275
Other CPPs	300	745
	4545	4071
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	500
Trombay 7A	120	0
Trombay 7B	60	0
Trombay 8	250	250
TATA Hydro	444	447
	2024	1197
REL		
1&2	500	250
	500	250
Cent Sect		
Share	3455	5775
	3455	5775

	21940	18715
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