



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Jan/2015

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/Jan/2015 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	125.447	1712.423	1) Gujrat	10.770	1.185
2) Hydro	8.948	91.645	2) Madhya Pradesh	11.917	168.405
3) Gas	7.700	120.394	3) Chattisgarh	5.120	72.340
Total MSGENCO	142.095	1924.462	4) Maharashtra Net	86.998	1103.211
B) 1) JSW JAIGAD	20.780	277.688	(Incl. 765kV Solapur-Raichur)	-9.186	-126.569
2) WPCL	2.828	33.284	5) Goa	-5.713	-84.460
3) ADANI	41.430	610.780	6) TAPS 1&2 Injection	0.000	31.936
4) Other CPP / IPP	25.326	333.542	7) RGPPL Injection	0.000	0.000
5) Wind Generation	1.501	69.173	8) Pench (Excess)	-0.345	-6.981
6) PENCH (MS)	0.345	6.981	# Total Cent. Sector	108.747	1285.636
7) SOLAR	1.098	14.015	F) Other Exchanges		
C) 1) TPCL Thermal	9.151	137.929	1) With TPCL (Excess)	-26.052	-352.734
2) TPCL Hydro	5.653	59.077	G) Bilateral Power *		
TOTAL TPCL	14.804	197.006	1) MSEDCL Bilateral	24.815	263.196
3) REL Thermal	5.542	87.230	Include PX	-4.981	-87.567
D) STATE			2) MUMBAI Bilateral	23.115	300.687
1) Thermal (A1+C1+C3)	140.140	1937.582	Include PX	3.944	41.795
2) Hydro (A2+B6+C2)	14.946	157.703	3) MUMBAI Schedule	23.115	302.832
3) Gas (A3)	7.700	120.394	H) ENERGY CATERED (MUs)		
4) Wind (B5)	1.501	69.173	1) MSEDCL	318.098	4202.827
5) CPP/IPP (B1+B2+B3+B4)	90.364	1255.294	2) TPCL	28.661	391.701
6) SOLAR (B7)	1.098	14.015	3) REL	17.739	245.263
TOTAL STATE	255.749	3554.161	TOTAL STATE	364.498	4839.791

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5516	5342	4948
MSGENCO Hydro	1169	327	89
MSGENCO Gas	315	311	330
MSGENCO Total Generation	7000	5980	5367
Central Sector Receipt	5737	6352	3001
WIND	31	26	38
CPP / IPP	3858	3976	3383
SOLAR	139	115	0
Exchange with Mumbai	-1303	-1173	-693
MSEDCL DEMAND MET	15489	15301	11096
Load Shedding	377	317	57
MSEDCL DEMAND	15866	15618	11153
TPCL GENERATION	865	834	352
R-INFRA GENERATION	261	260	195
TPCL+R-INFRA DEMAND	2429	2267	1240
STATE DEMAND MET	17918	17568	12336
STATE DEMAND	18295	17885	12393
Frequency (Hz)	49.98	49.98	50.09

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.31 Hz at 23.56 Hrs	49.75 Hz at 16.13 Hrs	50.01	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/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	0.18	41.64	87	0	0
Unit 7	3.45	52.05	160	120	160
Total	3.63	93.69			160
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	20.15	0	0	0
Unit 4	9.68	125.30	500	360	370
Unit 5	9.61	124.18	500	355	370
Total	19.29	269.62			740
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.72	20.54	160	146	166
Unit 5	3.63	50.51	159	146	150
Unit 6	4.74	67.72	250	147	195
Unit 7	2.71	65.23	234	0	195
Total	14.80	204.00			706
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.10	43.54	133	125	130
Unit 3	0.58	29.44	125	0	0
Unit 4	4.30	59.68	191	145	200
Unit 5	9.86	124.52	455	360	450
Unit 6	9.27	114.36	415	353	400
Unit 7	9.98	122.16	473	341	450
Total	37.10	493.71			1630
Paras					
Unit 3	4.98	63.82	227	195	201
Unit 4	4.90	65.28	214	196	201
Total	9.88	129.10			402
Khaparkheda					
Unit 1	4.04	55.35	195	150	190
Unit 2	3.83	52.28	175	140	180
Unit 3	4.34	59.92	208	155	210
Unit 4	4.71	50.72	210	169	210
Unit 5	10.49	137.67	495	380	500
Total	27.40	355.94			1290
Nasik					
Unit 3	4.50	59.20	200	165	200
Unit 4	4.41	58.94	196	170	200
Unit 5	4.44	48.21	200	166	200
Total	13.35	166.36			600
Uran					
All Units	7.70	120.39	333	310	325
Total	7.70	120.39			325
PENCH (MS)					
Pench (MS)	0.34	6.98	27	0	
Total	0.34	6.98			
Koyna					
Stage 1-2	3.38	35.94	500	40	600
Stage 4	1.62	5.31	400	0	250
Stage 3	0.94	9.62	160	0	320
Kovna 12&4 Total	5.01	41.24			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	5.95	50.86			1170
Hydro					
KDPH	0.28	2.21	19	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.37	4.94	64	0	64
BHTGR/VEER	0.10	1.26	4	3	5
BHIRA T.R.	0.42	3.08	80	0	80
RNGR+BHTSA	0.00	4.39	0	0	7
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	
SMLHY PTN	1.15	13.42	57	45	10
GHATGHAR	0.67	11.48	125	0	
Total	3.00	40.79			166
Wind					
MalharPeth	0.06	1.88			
Vankuswadi	0.10	3.36			
ATIT	0.00	0.39			
Kale	0.03	1.47			
Satara	0.63	35.36			
Shirala	0.03	2.18			
K Mahankal	0.00	0.19			
Supa	0.01	0.66			
Vita	0.24	10.89			
Dondaicha	0.20	6.40			
Sakri	0.04	0.82			
Nandurbar	0.12	2.29			
Khandke	0.00	2.02			
Khaparale	0.03	1.26			
Total	1.50	69.17			
CPP					
JSW JAIGAD	20.78	277.69	931	719	852
WARDHA	2.83	33.28	120	115	118
Adani	41.43	610.78	1840	1600	1851
Other CPPs	25.33	333.54			745
Total	90.36	1255.29			3566
SOLAR					
Total	1.10	14.02			
Total	1.10	14.02			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	21.75	0	0	0
Trombay 6	3.61	41.32	151	150	500
Trombay 7A	0.00	0.00	0	0	0
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	5.54	74.87	252	193	250
TATA Hydro	5.65	59.08	471	0	447
Total	14.80	197.01			1197
REL					
1&2	5.54	87.23	261	194	250
Total	5.54	87.23			250
Cent Sect					
Share					5474
Total					5474
MS PG CL	Thermal	125.45	1712.42		5528
	Thml+Gas	133.15	1832.82		5853
	Hydro	8.95	91.64		1336
	Total	142.10	1924.46		7189
State Total		255.75	3554.16		17676

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/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	4935	93	328	5356	43	3509	0	3568	3103	-731	-885	11126	108	11234	1423	12657	50.09
2	4949	89	330	5368	48	3468	0	3473	3149	-682	-760	11273	53	11326	1301	12627	50.12
3	4948	89	330	5367	38	3383	0	3078	3001	-653	-693	11096	57	11153	1240	12393	50.09
4	4954	94	330	5378	43	3393	0	3023	3108	-669	-658	11264	57	11321	1204	12525	50.07
5	4955	99	329	5383	43	3429	0	3472	3317	-673	-672	11500	59	11559	1219	12778	50.02
6	4990	114	321	5425	43	3561	0	4135	4060	-698	-800	12289	123	12412	1348	13760	50.03
7	5298	169	333	5800	47	3656	1	4710	5311	-684	-1003	13812	212	14024	1582	15606	50.00
8	5500	785	333	6618	41	3758	8	4990	5435	-765	-863	14997	239	15236	1793	17029	49.96
9	5516	868	332	6716	40	3857	50	5239	5375	-935	-891	15150	372	15522	1994	17516	49.93
10	5488	1062	315	6865	42	3886	111	5479	5756	-1105	-1148	15535	260	15795	2282	18077	49.96
11	5516	1169	315	7000	31	3858	139	5597	5737	-1226	-1303	15489	377	15866	2429	18295	49.98
12	5573	754	318	6645	25	3864	158	5912	5972	-1261	-1322	15366	482	15848	2440	18288	49.98
13	5805	368	314	6487	35	3839	151	5432	5544	-1222	-1276	14805	598	15403	2408	17811	49.97
14	5589	477	310	6376	33	3886	165	5280	5487	-1143	-1185	14788	540	15328	2258	17586	49.98
15	5592	197	312	6101	22	3956	137	5652	5346	-1137	-1151	14436	449	14885	2262	17147	50.00
16	5342	327	311	5980	26	3976	115	5649	6352	-1133	-1173	15301	317	15618	2267	17885	49.98
17	5256	665	312	6233	75	4001	55	5140	4698	-1089	-1296	13792	323	14115	2291	16406	49.95
18	5206	297	316	5819	67	4015	7	4693	4351	-1046	-1349	12929	439	13368	2287	15655	50.03
19	5186	283	316	5785	83	3986	0	4752	4657	-1163	-1336	13192	243	13435	2346	15781	50.00
20	5182	294	315	5791	108	4008	1	4936	4357	-1208	-1283	12999	395	13394	2343	15737	49.98
21	4978	183	316	5477	124	3790	0	4497	4684	-1118	-1329	12764	343	13107	2231	15338	50.02
22	4908	114	316	5338	147	3795	0	3996	3752	-1082	-1332	11724	206	11930	2010	13940	50.04
23	4892	249	324	5465	155	3772	0	3132	3153	-925	-1283	11288	115	11403	1831	13234	49.98
24	4889	109	324	5322	142	3718	0	3071	3041	-765	-1061	11182	105	11287	1609	12896	50.12
MUs	125.45	8.95	7.70	142.10	1.50	90.36	1.10	108.91	108.75	-23.11	-26.05	318.10	6.47	324.57	46.40	370.97	50.01

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/Jan/2015

Position as on 6.30 Hrs of 15/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	
Chandrapur Unit 3	210	09/01/2015	23.38	14/01/2015	14.48	Boiler Tube Leakage	
Bhusawal Unit 3	210	11/01/2015	08.23		Continued.	Boiler Tube leakage	
Koradi Unit 6	210	12/01/2015	02.00	14/01/2015	20.43	ID Fan Vibration Work.	
Uran Unit B0	120	12/01/2015	06.35		Continued.	Gas Shortage.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 14/Jan/2015

Position as on 6.30 Hrs of 15/Jan/2015

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Uran Unit 8	108	12/01/2015	06.40		Continued.	Gas Shortage.	
CPP Adani U-5	660	12/01/2015	22.21		Continued.	Drain Leakages.	
Cent_Sect Tarapur 2	160	13/01/2015	20.06		Continued.	Pump Maintenance.	
Parli Unit 7	250	14/01/2015	13.07		Continued.	BTL.	
CPP Indiabulls	540	15/01/2015	04.51		Continued.	Turbine Vibration High.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Jan/2015

Position as on 6.30 Hrs of 15/Jan/2015

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Borivali	21/11/2014	14.51		Continued.	Mumbai Strengthening work.
Vasai-Boiser(PG)	09/01/2015	12.56		Continued.	hot spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Mapusa-II	13/01/2015	16.48		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	13/01/2015	20.37	14/01/2015	06.39	Over Voltage.
Kolhapur-Solapur (PG) II	13/01/2015	23.41	14/01/2015	09.01	Over Voltage.
Dhule-Sar'Sarovar - II	14/01/2015	17.12		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	14/01/2015	22.17		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane-II	13/12/2014	00.00		Continued.	Over Voltage
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC POLE - I	14/01/2015	06.35		Continued.	Taken on TBC for Removal of IPS Tube.
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.
Padgha - Nagothane - I	13/01/2015	09.59	14/01/2015	07.50	Y Ph CVT Replacement Work, Testing Work.
400/220 KV 315 MVA ICT-I @ Koradi.	14/01/2015	10.01	14/01/2015	18.46	Tan Delta, IR Measurement of ICT.
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		Continued.	shift load of nalasopara on boiser pg
Padgha-Vasai	09/01/2015	13.12		Continued.	maintance work
Vita - Lamboti	14/01/2015	07.30	14/01/2015	18.03	Line Work.
220/132 KV, 200MVA ICT-I at Nasik GCR	14/01/2015	09.22	14/01/2015	18.27	CB Mechhanism Overhauling & Bay Maint. Work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
New Koyna - Karad - I	13/01/2015	14.25	14/01/2015	07.17	Attending Hot Spot, RFC from 18.58 Hrs.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bableshwar-Taptitanda II	12/01/2015	23.46		Continued.	Over Voltage.
Karad - Kolhapur - I	13/01/2015	16.34	14/01/2015	07.23	Over Voltage.
Karad-Jaigad I	13/01/2015	16.36	14/01/2015	08.57	Over Voltage.
Bhusawal- Aurangabad	13/01/2015	17.43	14/01/2015	07.05	Over Voltage.
Lonikand- Koyna Stage IV	13/01/2015	21.38	14/01/2015	06.18	Over Voltage.
Karad - Kolhapur - II	14/01/2015	16.19		Continued.	Over Voltage.
Karad-Jaigad I	14/01/2015	16.36		Continued.	Over Voltage.
Bhusawal- Aurangabad	14/01/2015	17.41		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	14/01/2015	21.10		Continued.	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Jan/2015

Position as on 6.30 Hrs of 15/Jan/2015

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type TRIPPED		
765KV Koradi-III -- Tiroda - II	24/12/2014	15.38		Continued.	Distance Protection
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 15/Jan/2015

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	155
Unit 7	210	155
	620	310
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	380
Unit 5	500	380
	1420	760
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	150
Unit 6	250	190
Unit 7	250	0
	1130	490
Chandrapur		
Unit 1	210	0
Unit 2	210	130
Unit 3	210	140
Unit 4	210	200
Unit 5	500	450
Unit 6	500	400
Unit 7	500	450
	2340	1770
Paras		
Unit 3	250	220
Unit 4	250	220
	500	440
Khaparkheda		
Unit 1	210	190
Unit 2	210	180
Unit 3	210	210
Unit 4	210	210
Unit 5	500	500
	1340	1290
Nasik		
Unit 3	210	200
Unit 4	210	200
Unit 5	210	200
	630	600
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	320
	1920	1170
Hydro		
KDPH	40	19
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	177
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	875
WARDHA	405	118
Adani	2640	1605
Other CPPs	300	745
	4545	3343
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	5644
	3455	5644

	21940	17766
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