



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

State Load Dispatch Center, Airoli

Daily system Report

for

16/Jan/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 16/Jan/2014 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	107.551	1900.182	1) Gujrat	1.010	88.954
2) Hydro	25.264	313.866	2) Madhya Pradesh	19.951	298.336
3) Gas	3.942	94.433	3) Chattisgarh	10.290	147.350
Total MSGENCO	136.757	2308.481	4) Maharashtra Net	83.447	1274.330
B) 1) JSW JAIGAD	19.658	313.574	(Incl. 765kV Solapur-Raichur)	-0.278	-0.339
2) WPCL	5.333	62.136	5) Goa	-5.787	-90.632
3) ADANI	41.690	576.740	6) TAPS 1&2 Injection	7.873	121.774
4) Other CPP / IPP	11.927	165.899	7) RGPPL Injection	0.000	0.000
5) Wind Generation	1.625	53.582	8) Pench (Excess)	-0.097	-0.929
6) PENCH (MS)	0.097	5.677	# Total Cent. Sector	116.687	1839.183
7) SOLAR	0.975	13.135	F) Other Exchanges		
C) 1) TPCL Thermal	15.161	259.242	1) With TPCL (Excess)	-20.104	-288.393
2) TPCL Hydro	4.327	62.916	G) Bilateral Power *		
TOTAL TPCL	19.488	322.158	1) MSEDCL Bilateral	14.613	287.542
3) REL Thermal	5.942	115.664	Include PX	0.000	-18.787
D) STATE			2) MUMBAI Bilateral	17.364	245.658
1) Thermal (A1+C1+C3)	128.654	2275.088	Include PX	7.482	96.927
2) Hydro (A2+B6+C2)	29.688	382.459	3) MUMBAI Schedule	19.027	257.069
3) Gas (A3)	3.942	94.433	H) ENERGY CATERED (MUs)		
4) Wind (B5)	1.625	53.582	1) MSEDCL	314.645	5050.014
5) CPP/IPP (B1+B2+B3+B4)	78.608	583.299	2) TPCL	30.151	481.182
6) SOLAR (B7)	0.975	13.135	3) REL	15.382	245.014
TOTAL STATE	243.492	3401.996	TOTAL STATE	360.178	5776.210

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4551	4629	4324
MSGENCO Hydro	2398	1360	142
MSGENCO Gas	171	163	144
MSGENCO Total Generation	7120	6152	4610
Central Sector Receipt	5457	4652	4850
WIND	42	121	49
CPP / IPP	3398	3393	3005
SOLAR	133	35	0
Exchange with Mumbai	-1004	-875	-532
MSEDCL DEMAND MET	15146	13478	11982
Load Shedding	1065	800	156
MSEDCL DEMAND	16211	14278	12138
TPCL GENERATION	1112	1109	479
R-INFRA GENERATION	261	262	205
TPCL+R-INFRA DEMAND	2377	2246	1216
STATE DEMAND MET	17523	15724	13198
STATE DEMAND	18588	16524	13354
Frequency (Hz)	50.00	49.93	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.38 Hz at 05.00 Hrs	49.65 Hz at 09.14 Hrs	50.01	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

Shift Engineer

Shift Incharge

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 16/Jan/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.98	27.64	135	110	130
Unit 6	3.05	49.36	143	80	130
Unit 7	3.28	54.09	145	125	140
Total	9.31	131.09			400
Bhusawal					
Unit 2	3.34	44.88	145	130	140
Unit 3	3.52	47.98	155	140	150
Unit 4	9.62	143.15	440	360	430
Unit 5	7.30	106.56	340	270	300
Total	23.78	342.58			1020
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.68	54.98	172	137	150
Unit 5	0.00	31.03	0	0	0
Unit 6	4.72	69.01	220	168	165
Unit 7	4.70	67.93	230	163	160
Total	13.11	222.95			475
Chandrapur					
Unit 1	3.19	52.54	138	128	140
Unit 2	0.00	45.34	0	0	0
Unit 3	3.87	66.21	182	128	180
Unit 4	4.71	74.13	205	172	210
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	133.86	0	0	0
Unit 7	9.07	141.90	420	255	410
Total	20.84	513.98			940
Paras					
Unit 3	4.82	69.96	229	174	220
Unit 4	5.20	78.72	234	194	200
Total	10.02	148.68			420
Khaparkheda					
Unit 1	3.62	57.92	180	115	180
Unit 2	0.00	21.27	0	0	0
Unit 3	4.28	61.30	183	167	190
Unit 4	4.23	61.78	187	167	190
Unit 5	5.69	146.78	337	0	450
Total	17.82	349.04			1010
Nasik					
Unit 3	4.20	67.48	190	160	190
Unit 4	4.14	67.94	190	160	190
Unit 5	4.34	56.44	191	171	190
Total	12.68	191.87			570
Uran					
All Units	3.94	94.43	175	143	170
Total	3.94	94.43			170
PENCH (MS)					
Pench (MS)	0.10	5.68	27	0	
Total	0.10	5.68			
Koyna					
Stage 1-2	6.36	73.82	575	40	600
Stage 4	11.03	129.35	1120	0	250
Stage 3	3.87	42.90	320	0	320
Kovna 12&4 Total	17.38	203.18			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	21.26	246.08			1170
Hydro					
KDPH	0.45	6.61	19	18	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.39	2.16	66	0	60
BHTGR/VEER	0.07	1.18	3	2	3
BHIRA T.R.	0.00	2.54	0	0	0
RNGR+BHTSA	0.34	4.78	15	14	15
BHANDARDRA	0.00	2.02	0	0	0
ELDARY	0.36	0.99	16	15	
SMLHY PTN	0.97	15.74	48	37	25
GHATGHAR	1.43	31.76	250	0	
Total	4.01	67.79			121
Wind					
MalharPeth	0.13	2.09			
Vankuswadi	0.18	3.78			
ATIT	0.02	1.16			
Kale	0.08	1.21			
Satara	0.60	12.66			
Shirala	0.09	1.07			
K Mahankal	0.00	0.91			
Supa	0.08	1.14			
Vita	0.00	3.43			
Dondaicha	0.15	17.05			
Sakri	0.01	2.30			
Nandurbar	0.01	1.31			
Khandke	0.12	3.35			
Khaparale	0.16	2.15			
Total	1.62	53.58			
CPP					
JSW JAIGAD	19.66	313.57	902	706	822
WARDHA	5.33	62.14	233	128	230
Adani	41.69	576.74	1830	1560	1851
Other CPPs	11.93	165.90			245
Total	78.61	1118.35			3148
SOLAR					
Total	0.98	13.14			
Total	0.98	13.14			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.72	161.52	501	316	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.82	29.38	130	100	120
Trombay 7B	1.62	19.77	72	62	60
Trombay 8	0.00	48.56	0	0	0
TATA Hydro	4.33	62.92	457	0	447
Total	19.49	322.16			1127
REL					
1&2	5.94	115.66	264	204	250
Total	5.94	115.66			250
Cent Sect					
Share					5436
Total					5436
MS PG CL	Thermal	107.55	1900.18		4835
	Thml+Gas	111.49	1994.62		5005
	Hydro	25.26	313.87		1291
	Total	136.76	2308.48		6296
State Total		243.49	3402.00		16257

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/Jan/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	4295	251	144	4690	45	3011	0	4596	5120	-611	-715	12151	119	12270	1399	13669	49.98
2	4327	186	144	4657	46	3019	0	4552	4875	-568	-586	12011	137	12148	1271	13419	50.01
3	4324	142	144	4610	49	3005	0	4522	4850	-537	-532	11982	156	12138	1216	13354	50.02
4	4353	127	143	4623	42	3036	0	4522	4817	-537	-484	12034	166	12200	1169	13369	50.11
5	4373	163	154	4690	42	2963	0	4522	4825	-538	-507	12013	208	12221	1191	13412	50.09
6	4495	153	174	4822	57	3226	0	4869	5607	-584	-632	13080	548	13628	1321	14949	50.09
7	4499	777	175	5451	27	3196	1	4923	5415	-671	-664	13426	1094	14520	1536	16056	49.98
8	4551	1807	175	6533	30	3158	16	4944	4950	-698	-699	14011	1117	15128	1709	16837	49.93
9	4612	2307	174	7093	46	3300	59	4781	5134	-645	-763	14896	1019	15915	1950	17865	49.97
10	4592	2393	168	7153	41	3274	65	4826	5346	-860	-790	15112	821	15933	2199	18132	49.83
11	4549	2426	164	7139	51	3310	138	5005	5535	-1022	-965	15208	936	16144	2370	18514	49.91
12	4551	2398	171	7120	42	3398	133	5107	5457	-1072	-1004	15146	1065	16211	2377	18588	50.00
13	4580	2026	161	6767	55	3415	149	5153	5108	-1055	-1008	14486	1221	15707	2324	18031	50.00
14	4507	1802	164	6473	78	3444	152	4919	5077	-931	-924	14300	1055	15355	2249	17604	49.97
15	4597	2017	164	6778	108	3428	131	4745	4877	-905	-880	14442	824	15266	2272	17538	49.91
16	4597	2082	162	6841	136	3490	85	4692	4656	-901	-868	14340	798	15138	2246	17384	49.91
17	4629	1360	163	6152	121	3393	35	4785	4652	-906	-875	13478	800	14278	2246	16524	49.93
18	4574	637	167	5378	54	3415	11	4737	4697	-723	-1119	12446	785	13231	2224	15455	50.09
19	4627	316	170	5113	60	3463	0	4996	4551	-932	-1054	12147	462	12609	2257	14866	49.97
20	4592	430	170	5192	76	3454	0	5168	4500	-1044	-1147	12075	631	12706	2286	14992	50.04
21	4515	424	169	5108	101	3311	0	5081	4672	-892	-1183	12009	479	12488	2184	14672	50.05
22	4260	725	172	5157	104	3226	0	4651	3947	-706	-1169	11265	364	11629	2107	13736	50.10
23	4281	180	175	4636	115	3331	0	4727	3830	-896	-865	11047	226	11273	1817	13090	50.15
24	4271	135	175	4581	99	3342	0	4624	4193	-793	-671	11544	186	11730	1614	13344	50.23
MUs	107.55	25.26	3.94	136.76	1.62	78.61	0.98	115.45	116.69	-19.03	-20.10	314.65	15.22	329.87	45.53	375.40	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 16/Jan/2014

Position as on 6.30 Hrs of 17/Jan/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	
Chandrapur Unit 5	500	14/07/2013	00.01		Continued.	Condenser replacement work.	
REL 1	250	04/01/2014	23.38		Continued.	Annual Overhaul	
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	
Tata Trombay 6	500	19/07/2013	23.54		Continued.	Economic shut down.	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
CPP VIPL	300	02/10/2013	00.45		Continued.	Turbine bearing vibration high.	
CPP JSW (J) U2	300	21/10/2013	00.00		Continued.	Lack of Shedule.	
Uran Unit 5	108	25/11/2013	21.33		Continued.	Gas Shortage.	
CPP WPCL U-2	135	13/12/2013	13.17		Continued.	ID Fan problem	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Uran Unit 8	108	03/01/2014	14.06		Continued.	Gas Shortage	
Khaparkheda Unit 2	210	07/01/2014	21.02		Continued.	Heavy oil consumption.	
Parli Unit 5	210	09/01/2014	18.11		Continued.	coal shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
CPP WPCL U-1	135	14/01/2014	00.23		Continued.	Furnace Pressure High	
Chandrapur Unit 2	210	14/01/2014	12.38		Continued.	I D Fan Problem.	
Uran Unit 6	108	14/01/2014	12.45		Continued.	Gas Shortage.	
Uran Unit A0	120	14/01/2014	13.04		Continued.	Gas Shortage.	
Chandrapur Unit 6	500	14/01/2014	22.18		Continued.	Boiler Tube Leakage.	
CPP WPCL U-4	135	16/01/2014	20.35	16/01/2014	21.40	Furnace Pressure High.	
Khaparkheda Unit 5	500	16/01/2014	20.59		Continued.	Air Preheater problem.	
CPP Adani U-2	660	17/01/2014	1.25		Continued.	Due to unbalance of Load	
CPP Adani U-3	660	17/01/2014	1.26		Continued.	Bursting B ph bushing og GT	
CPP Adani U1	660	17/01/2014	1.36	17/01/2014	5.22	GT Diff.protction oprated	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Jan/2014

Position as on 6.30 Hrs of 17/Jan/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kolhapur - Mapusa - I	15/01/2014	17.10	16/01/2014	08.45	P/O.
Dhule-Sar'Sarovar - II	15/01/2014	21.04	16/01/2014	06.46	P/O.
Akola-Aurangabad--II	16/01/2014	12.16		Continued.	upgradation of waluj bay by pgcil
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali -Tarapur	07/12/2013	10.15		Continued.	MUMBAI STRENGTHENING WORK
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Kolhapur-Solapur(PGCIL)-I	16/01/2014	00.18	16/01/2014	08.20	Over Voltage.
A'bad-Talegaon PG-1	16/01/2014	11.59		Continued.	Outage For Akola-A'bad CKT 2 Code 1650.
Kolhapur - Mapusa - I	16/01/2014	16.08		Continued.	H.T To Control O/V.
Kolhapur-Solapur(PGCIL)-I	16/01/2014	21.11		Continued.	H.T To Control O/V.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Tillary-Amona	16/01/2014	09.10	16/01/2014	17.52	Outage For Replacement Of Insu. String Code 1623.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	16/01/2014	22.10	17/01/2014	6.50	H.T For O/V.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	05/12/2013	19.30		Continued.	To control wardha-Yeotmal O/L
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Kanhan - Pench - I	11/01/2014	19:17		Continued.	Completion of Khaperkheda-Kanhan Outage and Withdeawal of Pench Suport.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/132 KV 200 MVA ICT - II @ Khadka	11/11/2013	09.07		Continued.	Repl.of Old 200 MVA ICT Under LES
400/220 KV 315 MVA ICT-II @ Chandrapur	13/01/2014	09.27	16/01/2014	19.01	Testing work
Chandrapur - Parli - II	15/01/2014	12.53	16/01/2014	8.58	LILO WORK.
Bus - I @ Lonikand	16/01/2014	8.51	16/01/2014	17.25	Replacement of bus cvt under jica-2 & bay maint
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Pusad-Nanded	05/12/2013	06.03		Continued.	220KV Ghatodi S/S LILO Work.
Ghodbandar - Bhoisor (MSETCL)	07/12/2013	10.38		Continued.	MUMBAI STRENGTENING WORK
Dahanu - Ghodbandar - I	15/01/2014	08.45		Continued.	CB Pole Over Hauling.
Karad Mudsingi-II	16/01/2014	10.07	16/01/2014	18.34	insulator replacement work
TBC at Kharghar	16/01/2014	10.50		Continued.	CT Tan Delta Test.
220kv/100 mva ict-1@Baramati	16/01/2014	11.20	16/01/2014	14.11	Q.M.work & CT Replacement under jica -2
Bus coupler at New Koyna	16/01/2014	12.21	16/01/2014	20.20	maintenance work.
220/100KV 200MVA ICT-III at Apta	16/01/2014	13.25	16/01/2014	19.21	maintenance work.
Jejuri-Phursungi - I	16/01/2014	14.50	16/01/2014	17.03	Emergency outage hot spot attending work.
Bhosari - Lonikand	16/01/2014	9.32	16/01/2014	19.08	Replacement of disc insu. by

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Jan/2014

Position as on 6.30 Hrs of 17/Jan/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal - Deepnagar - II	03/01/2014	15.47		Continued.	For Change Over.
Talegaon PG - Aurangabad - II	09/01/2014	13.41		Continued.	over voltage
Karad - Kolhapur - II	15/01/2014	16.10	16/01/2014	08.49	Over Voltage.
Bhusawal- Aurangabad	15/01/2014	17.27	16/01/2014	08.18	Over Voltage.
Karad-Kolhapur-II	16/01/2014	16.33		Continued.	H.T To Control O/V.
Karad-Jaigad I	16/01/2014	16.35		Continued.	H.T To Control O/V.
Lonikand- Koyna Stage IV	16/01/2014	21.30		Continued.	H/T for o/V.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	06/01/2014	19.47		Continued.	Paras-Chikhali line O/L
Chikhali - Jalna - I	06/01/2014	19.47		Continued.	Paras-Chikhali O/L
Phursungi - Theur	06/01/2014	9.51	16/01/2014	14.38	over voltage
Phursungi - Theur	16/01/2014	17.50		Continued.	over voltage
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Mansar - Pench	11/01/2014	19:17		Continued.	Completion of Khaperkheda-Kanhan Outage and Withdeawal of Pench Suport.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	31/12/2013	02.29		Continued.	Over Voltage.
Karad-Jaigad I	15/01/2014	16.13	16/01/2014	08.43	Over Voltage.
Warora- Tirora -II	17/01/2014	1.36		Continued.	over voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 17/Jan/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	
Unit 6	210	
Unit 7	210	
	620	
Bhusawal		
Unit 2	210	
Unit 3	210	
Unit 4	500	
Unit 5	500	
	1420	
Parli		
Unit 3	210	
Unit 4	210	
Unit 5	210	
Unit 6	250	
Unit 7	250	
	1130	
Chandrapur		
Unit 1	210	
Unit 2	210	
Unit 3	210	
Unit 4	210	
Unit 5	500	
Unit 6	500	
Unit 7	500	
	2340	
Paras		
Unit 3	250	
Unit 4	250	
	500	
Khaparkheda		
Unit 1	210	
Unit 2	210	
Unit 3	210	
Unit 4	210	
Unit 5	500	
	1340	
Nasik		
Unit 3	210	
Unit 4	210	
Unit 5	210	
	630	
Uran		
All Units	852	
	852	
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	
Stage 4	1000	
Stage 3	320	
	1920	
Hydro		
KDPH	40	
VTRNA	60	

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	
BHTGR/VEER	21	
BHIRA T.R.	80	
RNGR+BHTSA	20	
BHANDARDRA	45	
ELDARY	23	
SMLHY PTN	12	
GHATGHAR	250	
	611	
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	
WARDHA	405	
Adani	1980	
Other CPPs	300	
	3885	
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	
Trombay 5	500	
Trombay 6	500	
Trombay 7A	120	
Trombay 7B	60	
Trombay 8	250	
TATA Hydro	444	
	2024	
REL		
1&2	500	
	500	
Cent Sect		
Share	3455	
	3455	