



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

State Load Dispatch Center, Airoli

Daily system Report

for

16/Dec/2014

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	124.916	1912.080	1) Gujrat	-0.665	26.750
2) Hydro	7.984	166.418	2) Madhya Pradesh	9.469	208.393
3) Gas	10.291	135.812	3) Chattisgarh	4.650	98.560
Total MSGENCO	143.191	2214.310	4) Maharashtra Net	76.500	1461.175
B) 1) JSW JAIGAD	20.139	357.647	(Incl. 765kV Solapur-Raichur)	-10.289	-95.710
2) WPCL	2.838	42.486	5) Goa	-5.957	-98.754
3) ADANI	44.710	789.180	6) TAPS 1&2 Injection	7.555	67.732
4) Other CPP / IPP	22.005	368.463	7) RGPPL Injection	0.000	0.000
5) Wind Generation	12.013	98.621	8) Pench (Excess)	-0.064	-1.515
6) PENCH (MS)	0.064	1.515	# Total Cent. Sector	91.488	1762.341
7) SOLAR	1.035	14.781	F) Other Exchanges		
C) 1) TPCL Thermal	15.343	280.906	1) With TPCL (Excess)	-22.461	-363.102
2) TPCL Hydro	4.341	59.600	G) Bilateral Power *		
TOTAL TPCL	19.684	340.506	1) MSEDCL Bilateral	20.772	443.567
3) REL Thermal	5.639	134.687	Include PX	-5.495	12.521
D) STATE			2) MUMBAI Bilateral	20.995	332.427
1) Thermal (A1+C1+C3)	145.898	2327.673	Include PX	2.541	42.265
2) Hydro (A2+B6+C2)	12.389	227.533	3) MUMBAI Schedule	20.995	338.303
3) Gas (A3)	10.291	135.812	H) ENERGY CATERED (MUs)		
4) Wind (B5)	12.013	98.621	1) MSEDCL	315.022	5286.242
5) CPP/IPP (B1+B2+B3+B4)	89.692	1557.776	2) TPCL	29.848	510.480
6) SOLAR (B7)	1.035	14.781	3) REL	17.937	327.089
TOTAL STATE	271.318	4362.196	TOTAL STATE	362.807	6123.811

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5156	5278	5114
MSGENCO Hydro	357	931	139
MSGENCO Gas	448	442	457
MSGENCO Total Generation	5961	6651	5710
Central Sector Receipt	5464	4748	1751
WIND	433	161	674
CPP / IPP	3743	3674	3495
SOLAR	152	217	0
Exchange with Mumbai	-1099	-1011	-550
MSEDCL DEMAND MET	14654	14440	11080
Load Shedding	63	68	58
MSEDCL DEMAND	14717	14508	11138
TPCL GENERATION	1124	1100	513
R-INFRA GENERATION	262	263	195
TPCL+R-INFRA DEMAND	2485	2374	1258
STATE DEMAND MET	17139	16814	12338
STATE DEMAND	17202	16882	12396
Frequency (Hz)	49.93	49.91	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.23 Hz at 21.58 Hrs	49.62 Hz at 06.50 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 16/Dec/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	4.10	56.29	180	160	155
Unit 7	4.10	62.43	180	160	160
Total	8.20	118.71			315
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.76	42.64	175	140	150
Unit 4	8.60	141.71	370	345	350
Unit 5	8.26	136.73	360	325	325
Total	20.62	321.08			825
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.66	56.92	158	146	155
Unit 6	5.41	81.88	250	203	220
Unit 7	5.31	81.55	228	197	220
Total	14.38	220.34			595
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.32	52.58	144	130	140
Unit 3	0.00	0.00	0	0	0
Unit 4	4.01	68.20	199	160	200
Unit 5	8.86	142.46	420	334	400
Unit 6	8.60	136.81	375	350	400
Unit 7	8.54	140.37	379	310	400
Total	33.32	540.42			1540
Paras					
Unit 3	4.70	78.47	208	185	200
Unit 4	4.73	76.72	205	190	200
Total	9.43	155.19			400
Khaparkheda					
Unit 1	3.28	61.21	160	120	180
Unit 2	3.79	60.70	180	150	180
Unit 3	4.39	68.60	193	173	210
Unit 4	4.67	69.31	206	179	210
Unit 5	9.63	116.95	430	380	420
Total	25.75	376.76			1200
Nasik					
Unit 3	4.56	69.84	205	180	200
Unit 4	4.33	41.94	187	171	190
Unit 5	4.34	67.79	188	170	190
Total	13.22	179.57			580
Uran					
All Units	10.29	135.81	472	368	470
Total	10.29	135.81			470
PENCH (MS)					
Pench (MS)	0.06	1.52	27	0	
Total	0.06	1.52			
Koyna					
Stage 1-2	2.66	42.82	430	40	600
Stage 4	0.00	27.65	0	0	250
Stage 3	0.58	15.06	160	0	240
Kovna 12&4 Total	2.66	70.47			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.24	85.52			1090
Hydro					
KDPH	0.45	8.98	19	18	36
VTRNA	0.56	15.83	61	0	61
TILLARI	0.37	5.61	64	0	60
BHTGR/VEER	0.00	0.51	0	0	
BHIRA T.R.	0.14	3.24	74	0	80
RNGR+BHTSA	0.38	4.21	16	16	
BHANDARDRA	0.31	4.76	14	13	16
ELDARY	0.32	3.54	14	11	15
SMLHY PTN	0.77	16.92	41	29	25
GHATGHAR	1.44	17.30	250	0	
Total	4.74	80.90			293
Wind					
MalharPeth	0.22	2.60			
Vankuswadi	0.48	5.25			
ATIT	0.05	0.55			
Kale	0.19	1.81			
Satara	5.83	42.85			
Shirala	0.37	2.78			
K Mahankal	0.03	7.19			
Supa	0.15	1.36			
Vita	1.58	10.48			
Dondaicha	1.56	11.06			
Sakri	0.18	1.11			
Nandurbar	0.47	4.17			
Khandke	0.58	5.02			
Khaparale	0.34	2.39			
Total	12.01	98.62			
CPP					
JSW JAIGAD	20.14	357.65	951	762	891
WARDHA	2.84	42.49	128	109	118
Adani	44.71	789.18	2240	1690	2363
Other CPPs	22.00	368.46			745
Total	89.69	1557.78			4117
SOLAR					
Total	1.04	14.78			
Total	1.04	14.78			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.84	160.05	491	313	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	0.00	24.33	0	0	0
Trombay 7B	0.00	15.56	0	0	0
Trombay 8	5.50	80.96	251	198	250
TATA Hydro	4.34	59.60	385	0	447
Total	19.68	340.51			1197
REL					
1&2	5.64	134.69	264	194	250
Total	5.64	134.69			250
Cent Sect					
Share					5052
Total					5052
MS PG CL	Thermal	124.92	1912.08		5455
	Thml+Gas	135.21	2047.89		5925
	Hydro	7.98	166.42		1383
	Total	143.19	2214.31		7308
State Total		271.32	4362.20		17924

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/Dec/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	5144	196	458	5798	504	3493	0	2372	2416	-689	-703	11508	90	11598	1409	13007	49.99
2	5116	190	458	5764	515	3479	0	2240	2334	-653	-626	11466	58	11524	1333	12857	50.00
3	5104	159	458	5721	590	3515	0	1935	1838	-627	-586	11078	58	11136	1295	12431	49.95
4	5114	139	457	5710	674	3495	0	1747	1751	-627	-550	11080	58	11138	1258	12396	49.99
5	5115	135	458	5708	747	3514	0	1792	1927	-627	-571	11325	59	11384	1278	12662	49.93
6	5103	134	459	5696	727	3495	0	3165	2835	-667	-656	12097	66	12163	1364	13527	49.98
7	5141	205	472	5818	825	3537	1	3794	3944	-683	-728	13397	76	13473	1546	15019	49.79
8	5308	241	471	6020	842	3872	12	3990	4325	-643	-689	14405	76	14481	1765	16246	49.86
9	5358	387	466	6211	682	4188	54	4094	4456	-735	-799	14819	72	14891	1993	16884	49.95
10	5228	421	458	6107	522	4106	100	4677	4643	-875	-953	14539	64	14603	2245	16848	49.86
11	5152	419	455	6026	463	3995	118	4985	5124	-1050	-1065	14661	60	14721	2434	17155	49.97
12	5156	357	448	5961	433	3743	152	5048	5464	-1111	-1099	14654	63	14717	2485	17202	49.93
13	5218	255	446	5919	279	3647	132	4814	5436	-1072	-1066	14347	129	14476	2446	16922	49.94
14	5258	740	447	6445	208	3588	118	4378	4648	-1002	-1029	13978	71	14049	2349	16398	50.02
15	5278	931	442	6651	161	3674	217	4357	4748	-1017	-1011	14440	68	14508	2374	16882	49.91
16	5197	876	440	6513	165	3934	87	4353	4631	-1009	-1018	14312	66	14378	2390	16768	49.94
17	5195	703	398	6296	153	4073	41	4277	4363	-1000	-1065	13861	67	13928	2403	16331	49.92
18	5240	221	368	5829	264	4046	3	4039	4031	-1000	-1143	13030	67	13097	2413	15510	49.90
19	5282	260	368	5910	306	4056	0	4737	4601	-1134	-1195	13678	66	13744	2555	16299	49.95
20	5232	264	376	5872	353	3994	0	4823	4893	-1046	-1210	13902	69	13971	2486	16457	49.90
21	5269	268	374	5911	445	3680	0	4490	4576	-993	-1223	13389	67	13456	2289	15745	49.98
22	5275	203	370	5848	662	3503	0	3689	3604	-1026	-1318	12299	65	12364	2097	14461	50.05
23	5239	137	371	5747	777	3508	0	3203	2645	-941	-1168	11509	65	11574	1879	13453	49.94
24	5194	143	373	5710	716	3557	0	2373	2255	-770	-990	11248	65	11313	1698	13011	49.95
MUs	124.92	7.98	10.29	143.19	12.01	89.69	1.04	89.37	91.49	-21.00	-22.46	315.02	1.66	316.69	47.78	364.47	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 16/Dec/2014

Position as on 6.30 Hrs of 17/Dec/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.	
Tata Trombay 6	500	21/11/2014	21.11		Continued.	Economic Shut Down	
Uran Unit 8	108	26/11/2014	00.02		Continued.	Gas Shortage	
REL 2	250	08/12/2014	05.21		Continued.	over speed protection	
CPP Adani U1	660	08/12/2014	14.45		Continued.	Uproting of turbine steam chest drain line	
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.	
Uran Unit 7	108	15/12/2014	10.43		Continued.	Gas Shortage.	

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

Position as on 6.30 Hrs of 17/Dec/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha -Tarapur - I	16/12/2014	08.43	16/12/2014	20.09	A.M.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 - I	13/12/2014	20.20	16/12/2014	08.37	Over Voltage
Kolhapur - Mapusa - I	15/12/2014	17.53	16/12/2014	08.32	Over Voltage.
Kolhapur - Mapusa - I	16/12/2014	16.24		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	16/12/2014	20.16		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	17/12/2014	02.23		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Talangade-Chikodi	16/12/2014	13.34	16/12/2014	15.25	To Attend Breaker Oil Leakage.
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		
765 KV Akola 2 - Main bus 2	16/12/2014	11.21	16/12/2014	22.00	A.M.Work.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 315 MVA ICT-II @ Nagothane.	12/11/2014	13.02		Continued.	Shifted to TBC for BKR overloading.
400/220 KV 500 MVA ICT - I @ Warora	23/11/2014	08.10		Continued.	Leakage in Nitrogen Cylinder of B Ph CTR System.
400/220KV 315MVA ICT-I at Kharghar	16/12/2014	10.31	16/12/2014	14.10	Attend Air Drain Valve Choke Up.
Main Bus-II at Akola	16/12/2014	11.21	16/12/2014	22.00	Shifting Of Tower.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Ghodbandar	25/11/2014	10.43		Continued.	Erection & Stringing Work.
Ghodbandar - Bhoisor (MSETCL)	25/11/2014	11.36		Continued.	Erection & Stringing Work.
Khaparkheda-Kawlewada-I	16/12/2014	09.20	16/12/2014	18.21	Replacement Of Earth Wire.
220/100 KV,200MVA ICT-I at Miraj	16/12/2014	09.23	16/12/2014	17.50	CT and Tan Delta Measurment Work.
Pedambe -Nerale	16/12/2014	09.25		Continued.	Erection of New Tower.
Urse-Sahara	16/12/2014	09.34	16/12/2014	14.59	Replacement Of Flashover & Broken Insulator.
220/132KV 100 MVA ICT II at Amalner	16/12/2014	09.35	16/12/2014	10.10	For Replacement of Nitrogen Cylinder of CTR Fire Protection system.
220/100KV 200MVA ICT-IV at Kalwa	16/12/2014	09.48	16/12/2014	17.39	Q.M.Work.
Lote- Dasturi	16/12/2014	10.00	16/12/2014	18.25	Maint of EHV Equipment.
220/132KV,200MVA ICT-III At Nanded.	16/12/2014	10.21	16/12/2014	11.15	Work Of Oil Topup Of ICT.
Kandalgaon - ONGC	16/12/2014	11.07	16/12/2014	15.38	R.M.work.
Lonikand-Kathapur	16/12/2014	11.17	16/12/2014	14.46	C.T.Leakage.
Murud - Girawli.	16/12/2014	12.05	16/12/2014	16.34	Replacement of operating Rod Of Aux Insulator.
Padghe - Jindal	16/12/2014	22.38	16/12/2014	13.11	Y-Ph CT Burst.

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

Position as on 6.30 Hrs of 17/Dec/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - II	15/12/2014	16.22	16/12/2014	08.51	Over Voltage.
Karad-Jaigad I	15/12/2014	16.40	16/12/2014	09.00	Over Voltage.
Bhusawal- Aurangabad	15/12/2014	20.38		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	15/12/2014	21.50	16/12/2014	07.24	Over Voltage.
Karad - Kolhapur - I	16/12/2014	16.36		Continued.	Over Voltage.
Karad-Jaigad I	16/12/2014	17.36		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	16/12/2014	21.47		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Parli-Usmanabad	15/12/2014	15.17		Continued.	To Free TBC for Parly GCR Bus-II Outage.
BBLSR-Waluj	16/12/2014	07.23	16/12/2014	21.09	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
New Koyna - Dabhol - I	13/12/2014	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
Jindal - Ghatghar	15/12/2014	22.38	16/12/2014	21.30	Y Ph Metering PT Burst @ Consumer End.
Padgha - Jindal	15/12/2014	22.38	16/12/2014	21.00	Y Ph Metering PT Burst @ Consumer End.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 17/Dec/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	158
Unit 7	210	161
	620	319
Bhusawal		
Unit 2	210	0
Unit 3	210	150
Unit 4	500	400
Unit 5	500	360
	1420	910
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	160
Unit 6	250	200
Unit 7	250	220
	1130	580
Chandrapur		
Unit 1	210	0
Unit 2	210	140
Unit 3	210	0
Unit 4	210	200
Unit 5	500	400
Unit 6	500	400
Unit 7	500	400
	2340	1540
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	162
Unit 2	210	162
Unit 3	210	180
Unit 4	210	189
Unit 5	500	433
	1340	1126
Nasik		
Unit 3	210	200
Unit 4	210	190
Unit 5	210	190
	630	580
Uran		
All Units	852	470
	852	470
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	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	
BHIRA T.R.	80	80
RNGR+BHTSA	20	
BHANDARDRA	45	14
ELDARY	23	15
SMLHY PTN	12	25
GHATGHAR	250	
	611	277
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	868
WARDHA	405	118
Adani	2640	2363
Other CPPs	300	745
	4545	4094
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
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	5149
	3455	5149