



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Dec/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/Dec/2013 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	110.765	1485.082	1) Gujrat	7.371	183.312
2) Hydro	20.220	235.691	2) Madhya Pradesh	17.456	266.798
3) Gas	5.244	98.669	3) Chattisgarh	9.330	143.720
Total MSGENCO	136.229	1819.442	4) Maharashtra	73.633	1090.039
B) 1) JSW JAIGAD	19.844	270.855	5) Goa	-5.588	-76.728
2) WPCL	7.755	106.533	6) TAPS 1&2 Injection	3.892	54.013
3) ADANI	27.940	391.480	7) RGPPL Injection	6.546	51.907
4) Other CPP / IPP	7.338	108.723	8) Pench (Excess)	-0.474	-5.909
5) Wind Generation	4.225	68.036	# Total Cent. Sector	112.166	1707.152
6) PENCH (MS)	0.474	5.909	F) Other Exchanges		
7) SOLAR	0.963	11.534	1) With TPCL (Excess)	-13.543	-240.966
C) 1) TPCL Thermal	18.526	264.764	G) Bilateral Power *		
2) TPCL Hydro	3.223	65.145	1) MSEDCL Bilateral	29.421	417.356
TOTAL TPCL	21.749	329.909	Include PX	0.000	9.192
3) REL Thermal	11.635	157.960	2) MUMBAI Bilateral	14.003	238.128
D) STATE			Include PX	-0.179	42.382
1) Thermal (A1+C1+C3)	140.926	1907.806	3) MUMBAI Schedule	14.003	240.927
2) Hydro (A2+B6+C2)	23.917	306.745	H) ENERGY CATERED (MUs)		
3) Gas (A3)	5.244	98.669	1) MSEDCL	303.391	4248.698
4) Wind (B5)	4.225	68.036	2) TPCL	30.672	472.270
5) CPP/IPP (B1+B2+B3+B4)	62.877	514.051	3) REL	16.222	256.528
6) SOLAR (B7)	0.963	11.534	TOTAL STATE	350.285	4977.496
TOTAL STATE	238.152	2906.841			

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	4827	4663	4345
MSGENCO Hydro	1995	1782	159
MSGENCO Gas	223	213	223
MSGENCO Total Generation	7045	6658	4727
Central Sector Receipt	5027	4990	4020
WIND	64	32	335
CPP / IPP	2761	2705	2450
SOLAR	161	41	0
Exchange with Mumbai	-683	-664	-380
MSEDCL DEMAND MET	14397	13783	11152
Load Shedding	784	524	11
MSEDCL DEMAND	15181	14307	11163
TPCL GENERATION	1160	1027	614
R-INFRA GENERATION	525	524	393
TPCL+R-INFRA DEMAND	2368	2215	1387
STATE DEMAND MET	16765	15998	12539
STATE DEMAND	17549	16522	12550
Frequency (Hz)	49.97	49.93	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.34 Hz at 04.00 Hrs	49.57 Hz at 06.38 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/Dec/2013

Generating unit	Generation				OLC (MW)	Generating unit	Generation				OLC (MW)	
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)			Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)		
Koradi						Total	14.76	177.76			1090	
Unit 5	3.12	33.30	160	106	126	Hydro						
Unit 6	0.00	40.93	0	0	0	KDPH	0.46	6.70	20	19	18	
Unit 7	3.89	51.75	195	136	144	VTRNA	0.00	0.00	0	0	0	
Total	7.01	125.98			270	TILLARI	0.00	0.00	0	0	0	
Bhusawal						BHTGR/VEER	0.05	1.10	3	2	5	
Unit 2	3.38	50.11	150	125	150	BHIRA T.R.	0.27	3.93	41	0	40	
Unit 3	3.42	43.00	155	130	150	RNGR+BHTSA	0.38	5.32	16	15	15	
Unit 4	5.88	25.44	280	210	269	BHANDARDRA	0.79	1.13	33	33	0	
Unit 5	5.22	38.39	265	170	0	ELDARY	0.00	0.00	0	0	0	
Total	17.90	156.95			569	SMLHY_PTN	1.20	14.21	57	47	10	
Parli						GHATGHAR	2.32	25.54	240	0	0	
Unit 3	0.00	0.00	0	0	0	Total	5.46	57.93			88	
Unit 4	3.76	54.82	180	137	170	Wind						
Unit 5	3.92	40.32	178	149	155	MalharPeth	0.43	4.21				
Unit 6	4.32	62.10	194	168	165	Vankuswadi	0.72	8.57				
Unit 7	4.15	59.95	185	154	160	ATIT	0.07	2.56				
Total	16.16	217.19			650	Kale	0.31	3.25				
Chandrapur						Satara	1.72	25.66				
Unit 1	3.38	43.66	148	131	140	Shirala	0.23	3.28				
Unit 2	2.36	42.97	146	0	140	K Mahankal	0.00	0.93				
Unit 3	0.01	50.89	10	0	0	Supa	0.05	0.94				
Unit 4	2.00	49.19	187	0	0	Vita	0.35	7.37				
Unit 5	0.00	0.00	0	0	0	Dondaicha	0.20	6.26				
Unit 6	9.66	106.95	440	360	375	Sakri	0.02	0.73				
Unit 7	9.45	127.10	434	345	375	Nandurbar	0.01	0.46				
Total	26.85	420.76			1030	Khandke	0.05	1.92				
Paras						Khaparale	0.08	1.92				
Unit 3	4.92	68.81	235	185	230	Total	4.22	68.04				
Unit 4	4.97	72.61	223	190	230	CPP						
Total	9.90	141.42			460	JSW_JAIGAD	19.84	270.86	910	768	800	
Khaparkheda						WARDHA	7.76	106.53	333	317	330	
Unit 1	2.46	22.24	140	70	165	Adani	27.94	391.48	1230	1040	1234	
Unit 2	1.25	39.62	150	0	150	Other_CPPs	7.34	108.72				
Unit 3	3.06	30.00	142	115	158	Total	62.88	877.59			2364	
Unit 4	3.50	55.63	154	133	180	SOLAR						
Unit 5	9.95	117.84	482	360	425	Total	0.96	11.53				
Total	20.22	265.32			1078	Total	0.96	11.53				
Nasik						Tata						
Unit 3	4.23	48.31	195	165	190	Trombay 4	0.00	0.00	0	0	0	
Unit 4	4.25	59.60	190	167	190	Trombay 5	10.46	149.45	502	317	500	
Unit 5	4.25	49.55	191	165	190	Trombay 6	0.00	0.00	0	0	0	
Total	12.73	157.46			570	Trombay 7A	1.36	19.89	62	50	120	
Uran						Trombay 7B	1.08	15.96	50	41	60	
All Units	5.24	98.67	223	208	210	Trombay 8	5.62	79.46	252	186	250	
Total	5.24	98.67			210	TATA Hydro	3.22	65.14	340	0	447	
PENCH (MS)						Total	21.75	329.91			1377	
Pench (MS)	0.47	5.91	47	0		REL						
Total	0.47	5.91				1&2	11.64	157.96	526	392	500	
Koyna						Total	11.64	157.96			500	
Stage 1-2	4.02	58.30	475	40	600	Cent Sect						
Stage 4	8.22	88.30	1105	0	250	Share					5080	
Stage 3	2.52	31.17	240	0	240	Total					5080	
Koyna 12&4 Total	12.24	146.59			850	MS PG CL						
							Thermal	110.76	1485.08			4627
							Thml+Gas	116.01	1583.75			4837
							Hydro	20.22	235.69			1178
							Total	136.23	1819.44			6015
							State Total	238.15	2906.84			15336

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 14/Dec/2013

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDING	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	4457	160	223	4840	301	2452	0	4277	4316	-585	-574	11335	4	11339	1574	12913	50.16
2	4435	160	223	4818	330	2449	0	4027	4041	-467	-446	11192	11	11203	1453	12656	50.13
3	4345	159	223	4727	335	2450	0	3928	4020	-401	-380	11152	11	11163	1387	12550	50.01
4	4295	158	223	4676	334	2460	0	3831	4136	-403	-324	11282	11	11293	1347	12640	50.04
5	4326	158	223	4707	340	2455	0	4081	4150	-406	-317	11335	15	11350	1351	12701	50.10
6	4396	163	223	4782	327	2447	0	4309	4551	-389	-223	11884	125	12009	1462	13471	50.03
7	4430	293	223	4946	317	2477	0	4514	4583	-392	-196	12127	857	12984	1572	14556	49.93
8	4598	764	223	5585	315	2580	12	4572	4715	-399	-172	13063	926	13989	1661	15650	49.89
9	4740	1491	221	6452	270	2625	49	4516	4576	-385	-293	13719	889	14608	1878	16486	49.92
10	4800	2000	220	7020	165	2666	114	4715	4686	-457	-435	14263	716	14979	2161	17140	49.92
11	4827	1787	217	6831	150	2768	129	4955	5221	-730	-717	14429	704	15133	2347	17480	50.06
12	4827	1995	223	7045	64	2761	161	4979	5027	-748	-683	14397	784	15181	2368	17549	49.97
13	4789	1936	223	6948	46	2740	113	5066	4845	-727	-647	14068	934	15002	2341	17343	49.88
14	4776	1578	223	6577	24	2731	158	5078	5119	-661	-674	13961	836	14797	2256	17053	49.99
15	4786	1760	223	6769	20	2734	107	5031	5252	-654	-622	14283	630	14913	2262	17175	49.90
16	4799	2061	220	7080	19	2737	77	4948	4782	-657	-609	14126	531	14657	2243	16900	49.91
17	4663	1782	213	6658	32	2705	41	4998	4990	-658	-664	13783	524	14307	2215	16522	49.93
18	4614	637	213	5464	49	2710	2	5032	4845	-678	-707	12387	648	13035	2231	15266	49.96
19	4634	280	213	5127	80	2738	0	5131	5320	-769	-832	12456	517	12973	2355	15328	50.02
20	4697	223	213	5133	100	2684	0	5016	5194	-722	-795	12339	418	12757	2360	15117	50.04
21	4706	207	211	5124	121	2632	0	4577	4825	-674	-736	11978	271	12249	2264	14513	50.12
22	4678	156	209	5043	132	2632	0	4369	4268	-656	-769	11329	169	11498	2117	13615	50.10
23	4633	156	210	4999	174	2621	0	4352	4356	-734	-964	11212	107	11319	1969	13288	50.04
24	4514	156	208	4878	180	2623	0	4416	4351	-651	-764	11294	87	11381	1754	13135	50.10
MUs	110.76	20.22	5.24	136.23	4.23	62.88	0.96	110.72	112.17	-14.00	-13.54	303.39	10.72	314.12	46.93	361.05	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/Dec/2013

Position as on 6.30 Hrs of 15/Dec/2013

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.	
Cent_Sect Tarapur 2	160	24/11/2013	20.42		Continued.	Maint.work.	15/12/2013
Koyna Unit 10	80	12/12/2013	08.00		Continued.	Annual Maint.Work.	
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.	
CPP WPCL U-3	135	10/11/2013	6.10		Continued.	I D Fan Problem	
CPP INDIABULLS	270	25/11/2013	00:00		Continued.	Non-availability of coal	
Uran Unit 5	108	25/11/2013	21.33		Continued.	Gas Shortage.	
CPP Adani U-3	660	01/12/2013	23.49		Continued.	TO ATTEND OIL LEAKAGE BEARING NO 7	
Uran Unit A0	120	04/12/2013	13.26		Continued.	GAS RESTRICTION	
Uran Unit 6	108	04/12/2013	13.26		Continued.	Gas Restriction	
Chandrapur Unit 4	210	11/12/2013	23.21	14/12/2013	08.55	BLR T/L.	
Koradi Unit 6	210	13/12/2013	12.49		Continued.	P.A.FAN PROBLEM	
Khaparkheda Unit 2	210	14/12/2013	11.43		Continued.	Poor Coal Receipt	
Chandrapur Unit 2	210	14/12/2013	14.41	14/12/2013	20.06	Turbine Bearing No.5 Oil Leakage	
Khaparkheda Unit 5	500	15/12/2013	15.54	15/12/2013	19.03	Loss of Fuel	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Dec/2013

Position as on 6.30 Hrs of 15/Dec/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali -Tarapur	07/12/2013	10.15		Continued.	MUMBAI STRENGTHENING WORK
Voltage Level : 400KV			Outage Type HAND TRIPPED		
A'bad-Talegaon PG-1	07/12/2013	10.12		Continued.	line readyfor charging
765 KV Seoni-Wardha-II	10/12/2013	1:24		Continued.	H/T TO CONTROL O/V
Solapur - Solapur (PG)	13/12/2013	16.15	14/12/2013	07.31	over voltage
Kolhapur - Mapusa - I	13/12/2013	16.16	14/12/2013	08.41	over voltage
Kolhapur-Solapur(PGCIL)-I	13/12/2013	16.41	14/12/2013	10.21	over voltage
Parly(PG)- Solapur(PG) - I	13/12/2013	21.47	14/12/2013	07.32	over voltage
Kolhapur - Mapusa - I	14/12/2013	16.11	15/12/2013	09.12	Over Voltage
Kolhapur-Solapur(PGCIL)-I	14/12/2013	16.22		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	15/12/2013	01.34	15/12/2013	08.36	Over Voltage
Kolhapur - Mapusa - I	15/12/2013	16.08		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	15/12/2013	22.03		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	05/12/2013	19.30		Continued.	To control L/L due to 220KV Wardha-Warora Outage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/132 KV 200 MVA ICT - II @ Khadka	11/11/2013	09.07		Continued.	Replacement of Old 200 MVA ICT Under LES Upto 04/01/2014.
400/220KV 315 MVA ICT-I @ Padgha	26/11/2013	10.25		Continued.	Taken on TBC LV Side.(15 Days)
400/220KV 315MVA ICT- I @ Chandrapur	04/12/2013	11.20		Continued.	Taken on TBC LV Side for Breaker Work.
Dabhol - Nagothane - I	12/12/2013	10.48		Continued.	Testing Work.RFC 19.10 Hrs.
Dhule - Babaleshwar - II	14/12/2013	09.57	14/12/2013	19.59	Q.M.Work
400/220 KV 600 MVA ICT-II @ Kalwa	15/12/2013	08.06	15/12/2013	17.55	Relay Testing work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalisgaon line.
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
220/132 KV 150 MVA T/F-I @ Boiser	10/12/2013	13.04		Continued.	Vaccum and drying process due to moisture in WDG.of ICT.
Pophali - Panama	14/12/2013	08.45	14/12/2013	17.50	Replacement of Old Insulator string
Nasik - Airoli - Knowledge Park	14/12/2013	09.18	14/12/2013	18.18	Conversion from STN to DTN
Karad-Mudsingi-IV	14/12/2013	09.42	14/12/2013	18.40	Replacement of Old Insulator
Borivali (R) - TPC Borivali	14/12/2013	11.28	14/12/2013	17.21	A.M.Work
Kalwa - Borivali	14/12/2013	14.30	14/12/2013	16.30	To BY pass R Phase CC due to leakage
Panama - Dasgaon	14/12/2013	16.15	14/12/2013	18.56	Damage Jumper replacement work
Borivali(M)-Borivali(Rel)2	15/12/2013	10.02	15/12/2013	15.39	Annual Bay maint.work
Voltage Level : 400KV			Outage Type HAND TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Dec/2013

Position as on 6.30 Hrs of 15/Dec/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
Bhusawal - Deepnagar - II	03/12/2013	12.08		Continued.	Over Voltage.
Deepnagar-Waluj I	03/12/2013	12:08		Continued.	Over Voltage.
Karad - Kolhapur - II	08/12/2013	16.36		Continued.	OVER VOLTAGE
Lonikand- Koyna Stage IV	12/12/2013	20.09	14/12/2013	09.06	Over Voltage.
Karad-Jaigad I	13/12/2013	17.01	14/12/2013	09.21	over voltage
Bhusawal- Aurangabad	13/12/2013	18.55		Continued.	over voltage
Karad-Jaigad I	14/12/2013	17.37		Continued.	Over Voltage
Lonikand- Koyna Stage IV	14/12/2013	20.23	15/12/2013	09.18	Over Voltage
Voltage Level : 220KV Outage Type HAND TRIPPED					
Chikhali - Jalna - I	17/11/2013	18.00		Continued.	To control 220KV Paras-Chikhali Ckt Loading.
Chikhali - Jalna - II	17/11/2013	18.00		Continued.	To control 220KV Paras-Chikhali Ckt Loading.
Aurangabad - Babaleshwar	30/11/2013	9.24		Continued.	TO CONTROL A'BAD ICT LOADING
Panama - Pedambe	14/12/2013	15.42	14/12/2013	19.05	To attend snapped damage jumper work at Dasgaon s/s
Voltage Level : 400KV Outage Type TRIPPED					
Karad - Kolhapur - I	14/12/2013	4.01	14/12/2013	08.45	over voltage
Voltage Level : 220KV Outage Type TRIPPED					
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.
Karad - Dasgaon	14/12/2013	18.21	14/12/2013	18.42	Distance Protection
Nivali-Pawas	15/12/2013	07.09	15/12/2013	12.41	Distance Protection
Voltage Level : 132KV Outage Type TRIPPED					
Babaleshwar - Kopargaon	15/12/2013	15.26	15/12/2013	17.53	Distance protection

State Load Dispatch Center, Airoli (MSETCL)

Details of On Line Capacity for 15/Dec/2013

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi			TILLARI	60	0
Unit 5	200	120	BHTGR/VEER	21	5
Unit 6	210	0	BHIRA T.R.	80	40
Unit 7	210	150	RNGR+BHTSA	20	15
	620	270	BHANDARDRA	45	0
Bhusawal			ELDARY	23	0
Unit 2	210	135	SMLHY_PTIN	12	10
Unit 3	210	140	GHATGHAR	250	0
Unit 4	500	250		611	88
Unit 5	500	0	Wind		
	1420	525	MalharPeth	0	
Parli			Vankuswadi	0	
Unit 3	210	0	ATIT	0	
Unit 4	210	146	Kale	0	
Unit 5	210	160	Satara	0	
Unit 6	250	170	Shirala	0	
Unit 7	250	160	K Mahankal	0	
	1130	636	Supa	0	
Chandrapur			Vita	0	
Unit 1	210	145	Dondaicha	0	
Unit 2	210	100	Sakri	0	
Unit 3	210	0	Nandurbar	0	
Unit 4	210	195	Khandke	0	
Unit 5	500	0	Khaparale	0	
Unit 6	500	390		0	
Unit 7	500	370	CPP		
	2340	1200	JSW_JAIGAD	1200	730
Paras			WARDHA	405	330
Unit 3	250	220	Adani	1980	1234
Unit 4	250	210	Other_CPPs	300	
	500	430		3885	2294
Khaparkheda			SOLAR		
Unit 1	210	100	Total	0	
Unit 2	210	0		0	
Unit 3	210	130	Tata		
Unit 4	210	130	Trombay 4	150	0
Unit 5	500	400	Trombay 5	500	500
	1340	760	Trombay 6	500	0
Nasik			Trombay 7A	120	120
Unit 3	210	190	Trombay 7B	60	60
Unit 4	210	190	Trombay 8	250	250
Unit 5	210	190	TATA Hydro	444	447
	630	570		2024	1377
Uran			REL		
All Units	852	210	1&2	500	500
	852	210		500	500
PENCH (MS)			Cent Sect		
Pench (MS)	53		Share	3455	5051
	53			3455	5051
Koyna					
Stage 1-2	600	600			
Stage 4	1000	250			
Stage 3	320	240			
	1920	1090			
Hydro					
KDPH	40	18			
VTRNA	60	0			