



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

State Load Dispatch Center, Airoli

Daily system Report

for

08/Dec/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 08/Dec/2013 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	90.069	808.926	1) Gujrat	10.149	115.298
2) Hydro	14.002	138.861	2) Madhya Pradesh	20.886	161.319
3) Gas	7.561	57.582	3) Chattisgarh	11.260	84.330
Total MSGENCO	111.632	1005.369	4) Maharashtra	79.957	651.491
B) 1) JSW JAIGAD	18.561	155.533	5) Goa	-4.701	-43.392
2) WPCL	7.437	60.096	6) TAPS 1&2 Injection	3.844	30.703
3) ADANI	27.180	228.980	7) RGPPL Injection	6.599	12.078
4) Other CPP / IPP	8.364	59.649	8) Pench (Excess)	-0.530	-3.264
5) Wind Generation	5.919	35.671	# Total Cent. Sector	127.464	1008.563
6) PENCH (MS)	0.530	3.264	F) Other Exchanges		
7) SOLAR	1.054	5.584	1) With TPCL (Excess)	-12.492	-139.732
C) 1) TPCL Thermal	18.125	154.561	G) Bilateral Power *		
2) TPCL Hydro	1.710	38.181	1) MSEDCL Bilateral	15.984	235.421
TOTAL TPCL	19.835	192.742	Include PX	0.000	9.203
3) REL Thermal	11.471	97.140	2) MUMBAI Bilateral	14.737	139.125
D) STATE			Include PX	1.875	30.059
1) Thermal (A1+C1+C3)	119.665	1060.627	3) MUMBAI Schedule	14.737	139.125
2) Hydro (A2+B6+C2)	16.242	180.306	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.561	57.582	1) MSEDCL	295.649	2422.977
4) Wind (B5)	5.919	35.671	2) TPCL	28.116	276.267
5) CPP/IPP (B1+B2+B3+B4)	61.542	302.458	3) REL	15.682	153.344
6) SOLAR (B7)	1.054	5.584	TOTAL STATE	339.447	2852.588
TOTAL STATE	211.983	1642.228			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4028	3838	3426
MSGENCO Hydro	1633	1052	127
MSGENCO Gas	304	307	323
MSGENCO Total Generation	5965	5197	3876
Central Sector Receipt	5663	5519	4841
WIND	83	45	565
CPP / IPP	2759	2675	2284
SOLAR	144	29	0
Exchange with Mumbai	-419	-379	-490
MSEDCL DEMAND MET	14245	13139	11076
Load Shedding	742	573	98
MSEDCL DEMAND	14987	13712	11174
TPCL GENERATION	1023	917	632
R-INFRA GENERATION	526	526	386
TPCL+R-INFRA DEMAND	1968	1822	1508
STATE DEMAND MET	16213	14961	12584
STATE DEMAND	16955	15534	12682
Frequency (Hz)	49.89	49.99	50.12

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.44 Hz at 04.01 Hrs	49.61 Hz at 09.16 Hrs	50.03	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 08/Dec/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.90	16.93	135	105	117
Unit 6	3.23	26.93	168	120	135
Unit 7	3.42	30.83	155	120	144
Total	9.54	74.70			396
Bhusawal					
Unit 2	3.38	29.38	155	130	150
Unit 3	3.22	28.48	140	125	150
Unit 4	0.00	0.00	0	0	0
Unit 5	2.46	6.49	186	0	
Total	9.06	64.36			300
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.73	31.31	166	146	151
Unit 5	2.84	17.40	158	0	151
Unit 6	4.74	34.52	235	158	230
Unit 7	4.74	33.22	223	155	230
Total	16.05	116.44			762
Chandrapur					
Unit 1	3.07	24.81	135	121	135
Unit 2	3.16	24.90	140	106	140
Unit 3	3.74	32.35	181	110	130
Unit 4	4.28	35.07	210	156	200
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	58.02	0	0	0
Unit 7	9.12	73.63	404	337	375
Total	23.37	248.78			980
Paras					
Unit 3	4.75	38.05	219	179	205
Unit 4	5.12	41.74	234	177	205
Total	9.87	79.79			410
Khaparkheda					
Unit 1	3.28	4.42	180	90	144
Unit 2	3.08	23.83	150	90	144
Unit 3	0.00	21.20	0	0	0
Unit 4	0.90	32.42	164	0	180
Unit 5	7.93	61.04	440	214	411
Total	15.20	142.92			879
Nasik					
Unit 3	0.00	24.05	0	0	0
Unit 4	4.28	34.06	190	162	190
Unit 5	2.72	23.83	192	0	0
Total	6.99	81.94			190
Uran					
All Units	7.56	57.58	329	300	300
Total	7.56	57.58			300
PENCH (MS)					
Pench (MS)	0.53	3.26	53	0	
Total	0.53	3.26			
Koyna					
Stage 1-2	3.76	35.46	560	40	600
Stage 4	4.10	53.78	691	0	250
Stage 3	1.63	19.05	242	0	320
Kovna 12&4 Total	7.85	89.24			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	9.49	108.29			1170
Hydro					
KDPH	0.46	4.40	19	18	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.08	0.66	4	3	4
BHIRA T.R.	0.32	2.52	41	0	40
RNGR+BHTSA	0.38	3.06	16	15	16
BHANDARDRA	0.00	0.00	0	0	
ELDARY	0.00	0.00	0	0	
SMLHY PTN	1.06	7.69	50	40	9
GHATGHAR	2.23	12.23	240	0	
Total	4.52	30.57			87
Wind					
MalharPeth	0.39	2.09			
Vankuswadi	0.80	4.06			
ATIT	0.08	0.94			
Kale	0.27	1.64			
Satara	2.39	12.99			
Shirala	0.28	1.58			
K Mahankal	0.02	0.79			
Supa	0.05	0.44			
Vita	0.47	4.86			
Dondaicha	0.72	3.63			
Sakri	0.09	0.44			
Nandurbar	0.04	0.22			
Khandke	0.15	1.03			
Khaparale	0.16	0.96			
Total	5.92	35.67			
CPP					
JSW JAIGAD	18.56	155.53	863	703	780
WARDHA	7.44	60.10	332	274	340
Adani	27.18	228.98	1230	910	1234
Other CPPs	8.36	59.65			
Total	61.54	504.26			2354
SOLAR					
Total	1.05	5.58			
Total	1.05	5.58			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.06	87.48	499	316	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	1.43	11.46	60	59	120
Trombay 7B	1.14	9.24	48	47	60
Trombay 8	5.49	46.38	252	186	250
TATA Hydro	1.71	38.18	168	24	447
Total	19.84	192.74			1377
REL					
1&2	11.47	97.14	527	384	500
Total	11.47	97.14			500
Cent Sect					
Share					5122
Total					5122
MS PG CL	Thermal	90.07	808.93		3917
	Thml+Gas	97.63	866.51		4217
	Hydro	14.00	138.86		1257
	Total	111.63	1005.37		5474
State Total		211.98	1642.23		14827

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 08/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 SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	3379	116	322	3817	507	2291	0	4829	5437	-740	-794	11258	50	11308	1810	13118	50.02
2	3412	122	322	3856	496	2307	0	4780	5007	-691	-640	11026	98	11124	1660	12784	50.06
3	3435	122	322	3879	519	2305	0	4706	4973	-618	-550	11126	98	11224	1572	12796	50.11
4	3426	127	323	3876	565	2284	0	4680	4841	-589	-490	11076	98	11174	1508	12682	50.12
5	3532	118	323	3973	627	2256	0	4789	4903	-563	-480	11279	98	11377	1500	12877	50.16
6	3382	119	323	3824	584	2254	0	5034	5423	-538	-517	11568	181	11749	1542	13291	50.06
7	3610	124	329	4063	564	2452	3	4934	5217	-463	-242	12057	390	12447	1520	13967	49.97
8	3703	386	327	4416	371	2647	21	4918	5200	-471	-241	12414	779	13193	1626	14819	49.84
9	3863	648	317	4828	220	2656	67	4854	5384	-437	-262	12900	971	13871	1724	15595	49.77
10	3882	1489	313	5684	114	2682	116	4999	5015	-501	-334	13324	761	14085	1854	15939	49.80
11	4028	1633	304	5965	83	2759	144	5085	5663	-571	-419	14245	742	14987	1968	16955	49.89
12	4048	1817	301	6166	56	2765	153	5108	5323	-617	-469	14046	869	14915	1991	16906	49.95
13	4057	1441	300	5798	47	2771	137	5152	5374	-610	-545	13632	994	14626	2066	16692	49.98
14	3964	1043	301	5308	48	2710	135	5163	5671	-582	-476	13446	854	14300	1920	16220	50.14
15	3928	1085	300	5313	34	2715	159	5049	5702	-546	-428	13545	656	14201	1869	16070	50.00
16	3882	1348	304	5534	34	2699	88	4885	5680	-527	-386	13702	573	14275	1825	16100	50.04
17	3838	1052	307	5197	45	2675	29	4908	5519	-539	-379	13139	573	13712	1822	15534	49.99
18	3897	259	316	4472	61	2696	2	4903	4849	-537	-415	11716	707	12423	1858	14281	50.04
19	3813	228	313	4354	107	2728	0	4995	5464	-652	-544	12162	311	12473	2071	14544	50.06
20	3855	168	313	4336	131	2674	0	5270	5575	-680	-624	12106	331	12437	2129	14566	50.10
21	3852	160	315	4327	142	2680	0	5300	5657	-847	-746	12060	197	12257	2122	14379	50.11
22	3837	133	319	4289	169	2662	0	5289	5167	-836	-807	11480	92	11572	2063	13635	50.18
23	3716	133	321	4170	194	2497	0	5181	5189	-821	-891	11159	30	11189	1943	13132	50.07
24	3730	131	326	4187	200	2377	0	4426	5231	-760	-813	11182	24	11206	1835	13041	50.18
MUs	90.07	14.00	7.56	111.63	5.92	61.54	1.05	119.24	127.46	-14.74	-12.49	295.65	10.48	306.12	43.80	349.92	50.03

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 08/Dec/2013

Position as on 6.30 Hrs of 09/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.	13/12/2013
FORCED OUTAGE							
Dabhol 3B	230	28/05/2013	21.58		Continued.	Gas shortage.	
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	
Bhusawal Unit 4	500	12/11/2013	21.13		Continued.	Tripped,As GT4 Burst.	
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	
Parli Unit 5	210	04/12/2013	20.50	08/12/2013	2:37	Colling Water System Leakage.	
Bhusawal Unit 5	500	05/12/2013	17.29	08/12/2013	7.59	Stator E/F.	
Nasik Unit 5	210	05/12/2013	21.05	08/12/2013	06.10	BLR T/L.	
Nasik Unit 3	210	06/12/2013	17.35		Continued.	BLR T/L.	
Khaparkheda Unit 3	210	07/12/2013	02.14		Continued.	Furnace Pressure high.	
Chandrapur Unit 6	500	07/12/2013	04.34		Continued.	BLR T/L.	
Khaparkheda Unit 4	210	08/12/2013	23.34	09/12/2013	1.58	M.S.TEMPRETURE LOW	
Khaparkheda Unit 4	210	08/12/2013	5.14	08/12/2013	22.35	air hater problem	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 08/Dec/2013

Position as on 6.30 Hrs of 09/Dec/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Padgha-Bhoisor (PGCIL)	08/12/2013	16.55	08/12/2013	17.04	TAKEN REACTOR SERVICES
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Borivali -Tarapur	07/12/2013	10.15		Continued.	MUMBAI STRENGTHENING WORK
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni-Wardha-II 765KV.	02/12/2013	22.05		Continued.	OVER VOLTAGE
Kolhapur-Solapur(PGCIL)-I	03/12/2013	16:42		Continued.	Over Voltage.
A'bad-Talegaon PG-1	07/12/2013	10.12		Continued.	line readyfor charging
Kolhapur - Mapusa - I	07/12/2013	16.25	08/12/2013	4.32	OVER VOLTAGE
Solapur - Solapur (PG)	07/12/2013	20.42	08/12/2013	6.57	OVER VOLTAGE
Dhule-Sar'Sarovar - II	08/12/2013	1.47		Continued.	over voltage
Kolhapur - Mapusa - I	08/12/2013	13.09		Continued.	OVER VOLTAGE
Solapur - Solapur (PG)	08/12/2013	17.06		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.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Solapur (PGCIL)	08/12/2013	23.03		Continued.	TRIPPED ON OVER VOLTAGE
Kolhapur - Mapusa - II	08/12/2013	4.03	08/12/2013	9.43	over voltage
Karad - Solapur (PGCIL)	08/12/2013	4.03	08/12/2013	9.34	over voltage
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 Upto 9.12.13.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalisgaon line.
Bus Sectioniser @ Apta	04/12/2013	09.57		Continued.	Replacement of Isolator & 6 No's of CT's Upto 8.12.13.
Pusad-Nanded	05/12/2013	06.03		Continued.	220KV Ghatodi S/S LILO Work.
Khaperkheda - Wardha.	06/12/2013	09.25		Continued.	Raising height of tower for VIPL line crossing.
Purti - Bhugaon	06/12/2013	09.28		Continued.	Raising height of tower for VIPL line crossing.
Ghodbandar - Bhoisor (MSETCL)	07/12/2013	10.38		Continued.	MUMBAI STRENGTENING WORK
Bus Sec.II at Borivali (R)	08/12/2013	8.12	08/12/2013	20.12	REPLACEMENT OF CONDUCTOR
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Dabhol - New Koyana - I	30/11/2013	21.54		Continued.	H/T TO CONTROL OVER VOLTAGE
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
Deepnagar-Waluj I	03/12/2013	12:08		Continued.	To attend Y ph ISO. at Waluj end.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 08/Dec/2013

Position as on 6.30 Hrs of 09/Dec/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal- Aurangabad	06/12/2013	11.07		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	06/12/2013	21.29	08/12/2013	9.05	Over Voltage.
Karad-Kolhapur-II	07/12/2013	17.06	08/12/2013	10.21	OVER VOLTAGE
Karad-Jaigad I	07/12/2013	17.47	08/12/2013	9.41	OVER VOLTAGE
Karad - Kolhapur - II	08/12/2013	16.36		Continued.	OVER VOLTAGE
Lonikand- Koyna Stage IV	08/12/2013	21.00		Continued.	OVER VOLTAGE
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	17/11/2013	18.00		Continued.	AFTER TAKEN IN/S,A'BAD ICT 3
Chikhali - Jalna - I	17/11/2013	18.00		Continued.	AFTER TAKEN IN/S,A'BAD ICT 3
Aurangabad - Babaleshwar	30/11/2013	9.24		Continued.	TO CONTROL A'BAD ICT LOADING
Voltage Level : 400KV			Outage Type TRIPPED		
400/ 21.75 KV 600 MVA GT IV @ Deepnagar	12/11/2013	21.00		Continued.	GT4 Caught Fire.
Dabhol - Nagothane - I	24/11/2013	16.10		Continued.	Over Voltage.
Karad-Jaigad I	08/12/2013	17.04		Continued.	OVER VOLTAGE
Karad - Kolhapur - I	08/12/2013	4.03		Continued.	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.
Wadkhal-IPCL I	08/12/2013	11.25	08/12/2013	12.35	DISTANCE PROTECTION
Wadkhal-IPCL-II	08/12/2013	11.25	08/12/2013	13.15	DISTANCE PROTECTION

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 09/Dec/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	120
Unit 6	210	120
Unit 7	210	135
	620	375
Bhusawal		
Unit 2	210	150
Unit 3	210	150
Unit 4	500	0
Unit 5	500	
	1420	300
Parli		
Unit 3	210	0
Unit 4	210	170
Unit 5	210	170
Unit 6	250	220
Unit 7	250	220
	1130	780
Chandrapur		
Unit 1	210	135
Unit 2	210	135
Unit 3	210	160
Unit 4	210	170
Unit 5	500	0
Unit 6	500	0
Unit 7	500	360
	2340	960
Paras		
Unit 3	250	225
Unit 4	250	225
	500	450
Khaparkheda		
Unit 1	210	180
Unit 2	210	160
Unit 3	210	0
Unit 4	210	170
Unit 5	500	450
	1340	960
Nasik		
Unit 3	210	0
Unit 4	210	190
Unit 5	210	190
	630	380
Uran		
All Units	852	300
	852	300
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	0
BHTGR/VEER	21	4
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	88
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	821
WARDHA	405	330
Adani	1980	1234
Other CPPs	300	
	3885	2385
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5459
	3455	5459