



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

State Load Dispatch Center, Airoli

Daily system Report

for

02/Dec/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 02/Dec/2013 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	101.565	209.369	1) Gujrat	13.665	28.611
2) Hydro	25.342	46.488	2) Madhya Pradesh	23.086	43.516
3) Gas	6.742	13.864	3) Chattisgarh	11.130	21.560
Total MSGENCO	133.649	269.721	4) Maharashtra	82.340	157.440
B) 1) JSW JAIGAD	19.990	38.881	5) Goa	-5.321	-10.315
2) WPCL	7.210	14.408	6) TAPS 1&2 Injection	3.853	7.576
3) ADANI	28.690	59.180	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	8.488	15.894	8) Pench (Excess)	-0.441	-0.641
5) Wind Generation	2.935	5.240	# Total Cent. Sector	128.312	247.747
6) PENCH (MS)	0.441	0.641	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-18.610	-31.404
1) TPCL Thermal	20.587	40.729	G) Bilateral Power *		
2) TPCL Hydro	5.978	7.923	1) MSEDCL Bilateral	32.227	58.612
TOTAL TPCL	26.565	48.652	Include PX	1.247	1.833
3) REL Thermal	12.578	25.153	2) MUMBAI Bilateral	18.424	31.612
D) STATE			Include PX	5.355	6.836
1) Thermal (A1+C1+C3)	134.730	275.251	3) MUMBAI Schedule	18.424	31.612
2) Hydro (A2+B5+C2)	31.761	55.052	H) ENERGY CATERED (MUs)		
3) Gas (A3)	6.742	13.864	1) MSEDCL	311.105	620.308
4) Wind (B4)	2.935	5.240	2) TPCL	37.256	67.295
5) CPP (B1+B2+B3)	64.378	97.873	3) REL	20.497	37.911
TOTAL STATE	240.546	447.280	TOTAL STATE	368.858	725.514

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4256	4237	4281
MSGENCO Hydro	2289	1899	128
MSGENCO Gas	288	288	297
MSGENCO Total Generation	6833	6424	4706
Central Sector Receipt	6113	5194	4624
WIND	70	69	223
CPP / IPP	2752	2767	2623
Exchange with Mumbai	-1104	-1012	-275
MSEDCL DEMAND MET	14677	13489	11901
Load Shedding	846	760	84
MSEDCL DEMAND	15523	14249	11985
TPCL GENERATION	1322	1318	857
R-INFRA GENERATION	524	525	524
TPCL+R-INFRA DEMAND	2950	2855	1656
STATE DEMAND MET	17627	16344	13557
STATE DEMAND	18473	17104	13641
Frequency (Hz)	50.03	49.86	50.18

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.37 Hz at 04.00 Hrs	49.64 Hz at 09.16 Hrs	50	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 02/Dec/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.05	0	0	0
Unit 6	3.23	6.28	143	115	135
Unit 7	3.12	6.74	170	75	140
Total	6.35	13.07			275
Bhusawal					
Unit 2	3.66	7.24	165	145	150
Unit 3	3.57	7.09	155	135	150
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	2.48	0	0	
Total	7.23	16.82			300
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.08	8.00	180	160	168
Unit 5	3.94	7.71	175	153	162
Unit 6	4.12	8.04	188	154	155
Unit 7	2.93	6.83	181	0	152
Total	15.07	30.57			637
Chandrapur					
Unit 1	3.02	6.01	141	112	140
Unit 2	3.12	6.01	146	112	120
Unit 3	4.20	8.56	190	159	190
Unit 4	4.44	9.09	200	168	160
Unit 5	0.00	0.00	0	0	0
Unit 6	9.30	17.92	410	355	400
Unit 7	9.69	18.89	423	380	400
Total	33.76	66.49			1410
Paras					
Unit 3	5.00	8.88	223	196	182
Unit 4	5.35	10.36	240	199	201
Total	10.35	19.24			383
Khaparkheda					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.04	6.54	160	85	160
Unit 3	3.00	7.11	137	112	150
Unit 4	4.48	9.29	204	148	200
Unit 5	5.53	14.44	300	165	300
Total	16.05	37.38			810
Nasik					
Unit 3	4.24	8.60	190	170	190
Unit 4	4.25	8.51	190	170	190
Unit 5	4.27	8.69	192	165	190
Total	12.76	25.80			570
Uran					
All Units	6.74	13.86	298	244	290
Total	6.74	13.86			290
PENCH (MS)					
Pench (MS)	0.44	0.64	53	0	
Total	0.44	0.64			
Koyna					
Stage 1-2	6.59	12.34	570	40	600
Stage 4	11.25	20.49	1120	0	250
Stage 3	3.92	7.23	320	0	320
Kovna 12&4 Total	17.84	32.84			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	21.76	40.06			1170
Hydro					
KDPH	0.46	0.75	19	19	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.10	0.19	4	4	4
BHIRA T.R.	0.25	0.50	40	0	40
RNGR+BHTSA	0.38	0.77	16	15	16
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.02	1.73	50	39	10
GHATGHAR	1.38	2.49	250	0	0
Total	3.58	6.42			88
Wind					
MalharPeth	0.10	0.16			
Vankuswadi	0.20	0.41			
ATIT	0.01	0.02			
Kale	0.06	0.10			
Satara	0.73	1.36			
Shirala	0.06	0.10			
K Mahankal	0.02	0.02			
Supa	0.07	0.13			
Vita	0.59	0.97			
Dondaicha	0.56	1.02			
Sakri	0.04	0.15			
Nandurbar	0.05	0.07			
Khandke	0.23	0.36			
Khaparale	0.22	0.36			
Total	2.94	5.24			
CPP					
JSW JAIGAD	19.99	38.88	900	758	822
WARDHA	7.21	14.41	307	296	324
Adani	28.69	59.18	1230	940	1210
Other CPPs	8.49	15.89			
Total	64.38	128.36			2356
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.99	23.56	503	486	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	1.43	2.87	60	59	120
Trombay 7B	1.16	2.32	49	47	60
Trombay 8	6.01	11.99	252	249	250
TATA Hydro	5.98	7.92	459	0	447
Total	26.56	48.65			1377
REL					
1&2	12.58	25.15	526	521	500
Total	12.58	25.15			500
Cent Sect					
Share					5257
Total					5257

MS PG CL	Thermal	101.56	209.37			4385
	Thml+Gas	108.31	223.23			4675
	Hydro	25.34	46.49			1258
	Total	133.65	269.72			5933
State Total		240.55	447.28			15423

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 02/Dec/2013

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	4387	118	296	4801	141	2353	4557	5347	-482	-521	12121	95	12216	1968	14184	50.09
2	4333	118	296	4747	177	2496	4496	4966	-467	-434	11952	88	12040	1804	13844	50.08
3	4320	123	296	4739	181	2602	4632	4668	-600	-330	11860	84	11944	1715	13659	50.16
4	4281	128	297	4706	223	2623	4601	4624	-547	-275	11901	84	11985	1656	13641	50.18
5	4282	118	296	4696	234	2643	4632	4805	-558	-269	12109	122	12231	1651	13882	50.03
6	4291	267	297	4855	277	2626	4658	5108	-583	-361	12505	303	12808	1746	14554	50.01
7	4268	752	295	5315	207	2631	4671	4922	-588	-518	12557	991	13548	1900	15448	49.94
8	4252	1381	297	5930	264	2635	4589	4963	-449	-401	13411	1183	14594	2047	16641	49.95
9	4229	1867	298	6394	185	2736	4626	4744	-526	-576	13529	1032	14561	2307	16868	49.89
10	4235	2085	295	6615	123	2825	5081	5310	-744	-823	14096	675	14771	2656	17427	49.93
11	4206	2105	291	6602	122	2821	5446	6118	-975	-1059	14617	689	15306	2903	18209	50.01
12	4256	2289	288	6833	70	2752	5526	6113	-1033	-1104	14677	846	15523	2950	18473	50.03
13	4234	2016	290	6540	47	2821	5623	6147	-975	-1102	14460	975	15435	2920	18355	49.98
14	4269	2165	288	6722	24	2822	5370	5884	-872	-1029	14423	844	15267	2864	18131	49.99
15	4322	2100	288	6710	30	2800	5290	5865	-880	-1030	14400	672	15072	2871	17943	49.91
16	4284	2053	286	6623	71	2780	5179	5850	-891	-1029	14345	689	15034	2869	17903	49.89
17	4237	1899	288	6424	69	2767	5079	5194	-889	-1012	13489	760	14249	2855	17104	49.86
18	4048	1450	254	5752	80	2740	4864	4590	-870	-981	12228	883	13111	2809	15920	49.91
19	4161	1181	252	5594	96	2731	5142	5340	-1038	-1118	12690	686	13376	2853	16229	50.00
20	4137	599	252	4988	71	2638	5270	5386	-979	-1036	12100	782	12882	2766	15648	49.99
21	4155	167	244	4566	54	2672	5227	5870	-936	-988	12201	533	12734	2634	15368	50.04
22	4146	119	258	4523	71	2599	5242	5529	-891	-920	11802	326	12128	2457	14585	50.07
23	4098	119	250	4467	64	2634	5089	5547	-855	-870	11842	219	12061	2341	14402	50.05
24	4134	123	250	4507	54	2631	4912	5422	-797	-824	11790	165	11955	2211	14166	50.07
MUs	101.56	25.34	6.74	133.65	2.94	64.38	119.80	128.31	-18.42	-18.61	311.10	13.73	324.83	57.75	382.58	50.00

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 02/Dec/2013

Position as on 6.30 Hrs of 03/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.	Annual Overhaul	
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 3X	290	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.	
Khaparkheda Unit 1	210	24/11/2013	12.20		Continued.	Coal Shortage	
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.	
Uran Unit 7	108	30/11/2013	00.22		Continued.	Gas shortage	
Koradi Unit 5	200	01/12/2013	00.38		Continued.	COAL SHORTAGE	
Bhusawal Unit 5	500	01/12/2013	12.01		Continued.	BEARING OIL LEAKAGE	
CPP Adani U-3	660	01/12/2013	23.49		Continued.	TO ATTEND OIL LEAKAGE BEARING NO 7	
Parli Unit 7	250	02/12/2013	17.00	02/12/2013	23.07	REPL OF PHASE CT GT-7	
Koyna ST-IV 2	250	02/12/2013	8.20	02/12/2013	11.00	BUTTERFLY VALVE PROBLEM	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Dec/2013

Position as on 6.30 Hrs of 03/Dec/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Kolhapur - Mapusa - II	30/11/2013	16.50		Continued.	H/T CODE 2863
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Talangde - Chikodi	02/12/2013	13.09		Continued.	WRLDC 12/100, SRLDC 12/40, FOR RETIO TESTING, POLARITY TESTING, IR VALUES OF CTS & PTS ALONG WITH METERING BAY & RELAY TESTING
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni-Wardha-II 765KV.	21/11/2013	16.53	02/12/2013	10.18	H/T TO CONTROL WARDHA FLOWGATE
Parly - Solapur (PGCIL) - I	26/11/2013	01.41		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	01/12/2013	16.46		Continued.	OVER VOLTAGE
Karad - Solapur (PGCIL)	01/12/2013	21.51		Continued.	OVER VOLTAGE
Dhule-Sar'Sarovar - I	02/12/2013	2.21	02/12/2013	7.34	over voltage
Seoni-Wardha-II 765KV.	02/12/2013	22.05		Continued.	OVER VOLTAGE
Dhule-Sar'Sarovar - I	03/12/2013	1.41		Continued.	OVER VOLTAGE
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	20/11/2013	18.17		Continued.	To control O/L.
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.
400/220 KV 300 MVA ICT-I @ Koradi	18/11/2013	10.03		Continued.	Replacement of R Ph.Unit
400/220KV 315 MVA ICT-I @ Padgha	26/11/2013	10.25		Continued.	Taken on TBC LV Side.(15 Days)
80 MVAR Reactor- I @ Babaleshwar	30/11/2013	10.00		Continued.	cb overhauling
400/220 KV 500 MVA ICT-II at Lamboti	02/12/2013	16.24	02/12/2013	18.00	EARTHING MAINT
New Koyna - Stage IV - I	02/12/2013	9.25	02/12/2013	18.49	ATTENDING OF HOTSPOT AT CT & ROUTINE RELAY SETTING
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalisgaon line.
Khaparkheda-Kawlewada-I	01/12/2013	8.54		Continued.	HIGHT RAISING
Khaparkheda-Kawlewada-II	01/12/2013	8.55		Continued.	HIGHT RAISING
220/110KV, 200MVA T/F-III at Mudshingi	02/12/2013	10.05	02/12/2013	13.15	Q.M WORK & TAN DELTA TESTING OF T/F
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
BBLSR - Newasa	02/12/2013	6.00		Continued.	LILO WORK
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Khadka - Deepnagar - I	18/11/2013	3.20		Continued.	FOR ATTENDING R PHASE CB GAS PRESSURE LOW
Dabhol - New Koyna - I	30/11/2013	21.54		Continued.	H/T TO CONTROL OVER VOLTAGE
Voltage Level : 400KV			Outage Type HAND TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 02/Dec/2013

Position as on 6.30 Hrs of 03/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
Karad-Kolhapur-II	13/11/2013	15.47		Continued.	Over Voltage.
Deepnagar-Aurangabad-II	14/11/2013	21.48		Continued.	Over Voltage.
Bhusawal- Aurangabad	29/11/2013	17.02	02/12/2013	10.46	Over Voltage
Lonikand-Stage4	02/12/2013	0.44	02/12/2013	8.50	over voltage
Bhusawal- Aurangabad	02/12/2013	17.19		Continued.	OVER VOLTAGE
Lonikand-Stage4	03/12/2013	1.42		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	01/12/2013	16.32	02/12/2013	9.43	over voltage
Karad-Jaigad I	02/12/2013	17.03		Continued.	OVER VOLTAGE
400/220KV 315 MVA ICT III at Bhusawal	03/12/2013	0.15	03/12/2013	0.36	TRIPPED ON NDR
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.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 03/Dec/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	123
Unit 7	210	126
	620	249
Bhusawal		
Unit 2	210	150
Unit 3	210	150
Unit 4	500	0
Unit 5	500	0
	1420	300
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	160
Unit 6	250	160
Unit 7	250	160
	1130	630
Chandrapur		
Unit 1	210	140
Unit 2	210	140
Unit 3	210	180
Unit 4	210	190
Unit 5	500	0
Unit 6	500	400
Unit 7	500	400
	2340	1450
Paras		
Unit 3	250	210
Unit 4	250	210
	500	420
Khaparkheda		
Unit 1	210	0
Unit 2	210	120
Unit 3	210	130
Unit 4	210	150
Unit 5	500	250
	1340	650
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	330
	852	330
PENCH (MS)		
Pench (MS)	53	0
	53	0
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	18
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	5
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	800
WARDHA	405	324
Adani	1980	1175
Other CPPs	300	
	3885	2299
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	5297
	3455	5297