



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/Dec/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 01/Dec/2013 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	107.804	107.804	1) Gujrat	14.946	14.946
2) Hydro	21.146	21.146	2) Madhya Pradesh	20.430	20.430
3) Gas	7.122	7.122	3) Chattisgarh	10.430	10.430
Total MSGENCO	136.072	136.072	4) Maharashtra	75.100	75.100
B) 1) JSW JAIGAD	18.891	18.891	5) Goa	-4.994	-4.994
2) WPCL	7.198	7.198	6) TAPS 1&2 Injection	3.723	3.723
3) ADANI	30.490	30.490	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	7.406	7.406	8) Pench (Excess)	-0.200	-0.200
5) Wind Generation	2.305	2.305	# Total Cent. Sector	119.435	119.435
6) PENCH (MS)	0.200	0.200	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-12.794	-12.794
1) TPCL Thermal	20.142	20.142	G) Bilateral Power *		
2) TPCL Hydro	1.945	1.945	1) MSEDCL Bilateral	26.385	26.385
TOTAL TPCL	22.087	22.087	Include PX	0.586	0.586
3) REL Thermal	12.575	12.575	2) MUMBAI Bilateral	13.188	13.188
D) STATE			Include PX	1.481	1.481
1) Thermal (A1+C1+C3)	140.521	140.521	3) MUMBAI Schedule	13.188	13.188
2) Hydro (A2+B5+C2)	23.291	23.291	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.122	7.122	1) MSEDCL	309.203	309.203
4) Wind (B4)	2.305	2.305	2) TPCL	30.039	30.039
5) CPP (B1+B2+B3)	63.985	63.985	3) REL	17.414	17.414
TOTAL STATE	237.224	237.224	TOTAL STATE	356.656	356.656

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	4625	4445	4418
MSGENCO Hydro	2171	1408	89
MSGENCO Gas	295	295	300
MSGENCO Total Generation	7091	6148	4807
Central Sector Receipt	5314	5065	4645
WIND	75	66	121
CPP / IPP	2821	2596	2608
Exchange with Mumbai	-570	-491	-267
MSEDCL DEMAND MET	14778	13384	11914
Load Shedding	672	499	79
MSEDCL DEMAND	15450	13883	11993
TPCL GENERATION	1004	990	850
R-INFRA GENERATION	524	524	526
TPCL+R-INFRA DEMAND	2098	2005	1643
STATE DEMAND MET	16876	15389	13557
STATE DEMAND	17548	15888	13636
Frequency (Hz)	50.02	50.03	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.39 Hz at 13.56 Hrs	49.66 Hz at 07.43 Hrs	50.02	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 01/Dec/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.05	0.05	54	0	0
Unit 6	3.05	3.05	147	115	111
Unit 7	3.62	3.62	186	115	157
Total	6.73	6.73			268
Bhusawal					
Unit 2	3.58	3.58	160	140	150
Unit 3	3.52	3.52	155	135	150
Unit 4	0.00	0.00	0	0	0
Unit 5	2.48	2.48	210	0	0
Total	9.59	9.59			300
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.92	3.92	175	149	160
Unit 5	3.76	3.76	172	143	140
Unit 6	3.92	3.92	185	153	160
Unit 7	3.90	3.90	188	156	160
Total	15.50	15.50			620
Chandrapur					
Unit 1	2.99	2.99	140	101	130
Unit 2	2.89	2.89	133	92	120
Unit 3	4.36	4.36	190	161	190
Unit 4	4.65	4.65	206	140	210
Unit 5	0.00	0.00	0	0	0
Unit 6	8.63	8.63	395	325	350
Unit 7	9.21	9.21	412	360	400
Total	32.73	32.73			1400
Paras					
Unit 3	3.88	3.88	215	0	200
Unit 4	5.02	5.02	225	190	200
Total	8.89	8.89			400
Khaparkheda					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.50	3.50	165	105	140
Unit 3	4.11	4.11	183	137	178
Unit 4	4.81	4.81	207	193	190
Unit 5	8.91	8.91	438	290	330
Total	21.33	21.33			838
Nasik					
Unit 3	4.36	4.36	195	170	190
Unit 4	4.26	4.26	185	166	190
Unit 5	4.42	4.42	197	171	190
Total	13.04	13.04			570
Uran					
All Units	7.12	7.12	300	290	290
Total	7.12	7.12			290
PENCH (MS)					
Pench (MS)	0.20	0.20	50	0	
Total	0.20	0.20			
Koyna					
Stage 1-2	5.76	5.76	535	40	600
Stage 4	9.24	9.24	1108	0	250
Stage 3	3.31	3.31	320	0	320
Kovna 12&4 Total	15.00	15.00			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	18.31	18.31			1170
Hydro					
KDPH	0.29	0.29	19	0	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.00	0.00	0	0	60
BHTGR/VEER	0.09	0.09	4	3	8
BHIRA T.R.	0.25	0.25	41	0	40
RNGR+BHTSA	0.38	0.38	17	16	8
BHANDARDRA	0.00	0.00	0	0	8
ELDARY	0.00	0.00	0	0	
SMLHY PTN	0.71	0.71	30	29	6
GHATGHAR	1.11	1.11	240	0	
Total	2.84	2.84			148
Wind					
MalharPeth	0.06	0.06			
Vankuswadi	0.22	0.22			
ATIT	0.01	0.01			
Kale	0.04	0.04			
Satara	0.62	0.62			
Shirala	0.04	0.04			
K Mahankal	0.01	0.01			
Supa	0.06	0.06			
Vita	0.38	0.38			
Dondaicha	0.46	0.46			
Sakri	0.11	0.11			
Nandurbar	0.02	0.02			
Khandke	0.13	0.13			
Khaparale	0.14	0.14			
Total	2.30	2.30			
CPP					
JSW JAIGAD	18.89	18.89	872	661	783
WARDHA	7.20	7.20	312	291	324
Adani	30.49	30.49	1300	1030	1851
Other CPPs	7.41	7.41			
Total	63.98	63.98			2958
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.56	11.56	503	319	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	1.43	1.43	60	59	120
Trombay 7B	1.16	1.16	49	47	60
Trombay 8	5.98	5.98	251	238	250
TATA Hydro	1.94	1.94	237	0	447
Total	22.09	22.09			1377
REL					
1&2	12.58	12.58	526	522	500
Total	12.58	12.58			500
Cent Sect					
Share					4807
Total					4807

MS PG CL	Thermal	107.80	107.80			4396
	Thml+Gas	114.93	114.93			4686
	Hydro	21.15	21.15			1318
	Total	136.07	136.07			6004
State Total		237.22	237.22			15646

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/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	4716	340	300	5356	171	2663	4444	4638	-474	-797	12031	37	12068	1985	14053	50.02
2	4632	379	300	5311	126	2527	4442	4485	-459	-617	11832	79	11911	1826	13737	49.98
3	4483	354	300	5137	137	2623	4496	4453	-507	-404	11946	79	12025	1721	13746	49.93
4	4418	89	300	4807	121	2608	4569	4645	-562	-267	11914	79	11993	1643	13636	50.00
5	4366	124	300	4790	125	2608	4577	4767	-550	-240	12050	112	12162	1622	13784	49.87
6	4407	470	300	5177	121	2621	4585	4806	-515	-268	12457	265	12722	1670	14392	49.96
7	4548	362	300	5210	131	2654	4587	4743	-501	-324	12414	703	13117	1706	14823	49.93
8	4567	1169	300	6036	134	2663	4495	4678	-413	-309	13202	782	13984	1717	15701	49.84
9	4615	1344	292	6251	86	2678	4530	4725	-414	-372	13418	724	14142	1811	15953	49.93
10	4682	1665	299	6646	61	2729	4728	4982	-457	-460	14005	566	14571	1929	16500	49.94
11	4623	1752	300	6675	73	2850	4862	5356	-530	-554	14450	552	15002	2079	17081	49.95
12	4625	2171	295	7091	75	2821	4884	5314	-581	-570	14778	672	15450	2098	17548	50.02
13	4463	2107	293	6863	36	2804	4875	5162	-576	-606	14265	781	15046	2133	17179	50.01
14	4485	1782	295	6562	38	2775	4977	5478	-559	-578	14275	690	14965	2105	17070	50.23
15	4483	1708	295	6486	57	2720	5246	5572	-522	-538	14297	568	14865	2044	16909	50.09
16	4477	1826	295	6598	63	2682	5198	5288	-498	-483	14148	513	14661	2017	16678	50.06
17	4445	1408	295	6148	66	2596	4996	5065	-479	-491	13384	499	13883	2005	15888	50.03
18	4395	607	290	5292	53	2699	4795	4659	-500	-541	12162	666	12828	2018	14846	49.99
19	4408	458	294	5160	71	2676	4898	4966	-627	-671	12202	561	12763	2245	15008	50.04
20	4402	467	296	5165	90	2676	4948	4908	-659	-650	12189	489	12678	2264	14942	50.08
21	4402	212	293	4907	121	2653	4951	4975	-621	-710	11946	273	12219	2263	14482	50.10
22	4430	127	298	4855	120	2638	4936	5179	-603	-796	11996	133	12129	2223	14352	50.14
23	4397	112	295	4804	117	2624	5134	5186	-807	-818	11913	86	11999	2216	14215	50.12
24	4335	113	297	4745	115	2397	5099	5403	-772	-730	11930	69	11999	2116	14115	50.21
MUs	107.80	21.15	7.12	136.07	2.31	63.98	115.25	119.43	-13.19	-12.79	309.20	9.98	319.18	47.46	366.64	50.02

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 01/Dec/2013

Position as on 6.30 Hrs of 02/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	
Paras Unit 3	250	01/12/2013	2.15	01/12/2013	04.59	FURANCE PRESSURE HIGH	
CPP Adani U-3	660	01/12/2013	23.49		Continued.	TO ATTEND OIL LEAKAGE BEARING NO 7	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 01/Dec/2013

Position as on 6.30 Hrs of 02/Dec/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d 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
Kolhapur-Solapur(PGCIL)-I	30/11/2013	20.56	01/12/2013	10.52	OVER VOLTAGE
Padgha-Bhoisor (PGCIL)	01/12/2013	8.15	01/12/2013	19.09	AUTO TO NON AUTO
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni-Wardha-II 765KV.	21/11/2013	16.53		Continued.	H/T TO CONTROL WARDHA FLOWAGATE
Parly - Solapur (PGCIL) - I	26/11/2013	01.41		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	30/11/2013	23.34	01/12/2013	7.11	over voltage
Kolhapur-Solapur(PGCIL)-I	01/12/2013	16.46		Continued.	OVER VOLTAGE
Solapur - Solapur (PG)	01/12/2013	2.43	01/12/2013	6.50	OVER VOLTAGE
Karad - Solapur (PGCIL)	01/12/2013	21.51		Continued.	OVER VOLTAGE
Dhule-Sar'Sarovar - I	02/12/2013	2.21		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 : 500KV			Outage Type PLANNED OUTAGE		
HVDC BIPOLE	30/11/2013	8.16	01/12/2013	23.25	CROSSING OF A'BAD(PG)TO A'BAD MSTCL D/C LINE(pole 1 only)
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
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalisgaon line.
Chitegaon-Shendra	01/12/2013	7.30	01/12/2013	18.06	STRINING WORK
Khaparkheda-Kawlewada-I	01/12/2013	8.54		Continued.	HIGHT RAISING
Khaparkheda-Kawlewada-II	01/12/2013	8.55		Continued.	HIGHT RAISING
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
BBLSR - Sangamner	30/11/2013	7.15		Continued.	stringing of multicircuit tower line
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 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
Karad-Kolhapur-II	13/11/2013	15.47		Continued.	Over Voltage.
Deepnagar-Aurangabad-II	14/11/2013	21.48		Continued.	Over Voltage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/Dec/2013

Position as on 6.30 Hrs of 02/Dec/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal- Aurangabad	29/11/2013	17.02		Continued.	Over Voltage
Lonikand-Stage4	02/12/2013	0.44		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		Continued.	over voltage
Karad-Jaigad I	01/12/2013	2.24	01/12/2013	8.44	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.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 02/Dec/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	135
Unit 7	210	140
	620	275
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	168
Unit 5	210	162
Unit 6	250	155
Unit 7	250	152
	1130	637
Chandrapur		
Unit 1	210	140
Unit 2	210	120
Unit 3	210	190
Unit 4	210	160
Unit 5	500	0
Unit 6	500	400
Unit 7	500	400
	2340	1410
Paras		
Unit 3	250	182
Unit 4	250	201
	500	383
Khaparkheda		
Unit 1	210	0
Unit 2	210	160
Unit 3	210	150
Unit 4	210	200
Unit 5	500	300
	1340	810
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	290
	852	290
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	18
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	16
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	822
WARDHA	405	324
Adani	1980	1210
Other CPPs	300	
	3885	2356
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	5257
	3455	5257