



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

State Load Dispatch Center, Airoli

Daily system Report

for

11/Dec/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 11/Dec/2012 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	111.162	1323.004	1) Gujrat	11.576	126.601
2) Hydro	16.602	135.419	2) Madhya Pradesh	20.595	191.568
3) Gas	7.810	91.664	3) Chattisgarh	12.330	136.130
Total MSGENCO	135.574	1550.087	4) Maharashtra	78.088	767.864
B) 1) JSW JAIGAD	20.307	225.464	5) Goa	-5.546	-61.122
2) WPCL	8.874	97.451	6) TAPS 1&2 Injection	3.443	38.335
3) ADANI	0.000	0.000	7) RGPPL Injection	9.646	103.041
4) Other CPP / IPP	10.757	115.942	8) Pench (Excess)	-0.195	-3.040
5) Wind Generation	2.807	43.167	# Total Cent. Sector	129.937	1299.377
6) PENCH (MS)	0.195	3.040	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.766	-111.759
1) TPCL Thermal	26.674	284.335	G) Bilateral Power *		
2) TPCL Hydro	4.074	37.280	1) MSEDCL Bilateral	39.829	411.567
TOTAL TPCL	30.748	321.615	Include PX	3.790	12.321
3) REL Thermal	12.655	124.901	2) MUMBAI Bilateral	13.669	118.378
D) STATE			Include PX	2.847	7.065
1) Thermal (A1+C1+C3)	150.491	1732.240	3) MUMBAI Schedule	13.669	119.678
2) Hydro (A2+B5+C2)	20.871	175.739	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.810	91.664	1) MSEDCL	298.685	3222.769
4) Wind (B4)	2.807	43.167	2) TPCL	35.564	374.345
5) CPP (B1+B2+B3)	39.938	438.857	3) REL	17.606	183.916
TOTAL STATE	221.917	2481.667	TOTAL STATE	351.855	3781.030

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	4620	4466	4686
MSGENCO Hydro	1534	1026	203
MSGENCO Gas	324	319	330
MSGENCO Total Generation	6478	5811	5219
Central Sector Receipt	6052	5892	4915
WIND	25	217	107
CPP / IPP	1696	1690	1599
Exchange with Mumbai	-569	-479	-263
MSEDCL DEMAND MET	13682	13131	11577
Load Shedding	813	492	223
MSEDCL DEMAND	14495	13623	11800
TPCL GENERATION	1604	1584	823
R-INFRA GENERATION	527	528	528
TPCL+R-INFRA DEMAND	2700	2591	1614
STATE DEMAND MET	16382	15722	13191
STATE DEMAND	17195	16214	13414
Frequency (Hz)	49.98	50.10	50.04

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.46 Hz at 13.06 Hrs	49.61 Hz at 05.48 Hrs	50.04	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 11/Dec/2012

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	3.00	34.21	136	99	130
Unit 7	2.67	35.42	134	90	115
Total	5.66	69.63			245
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.24	47.66	185	170	170
Unit 4	0.00	74.80	0	0	0
Unit 5	0.00	0.00	0	0	0
Total	4.24	122.45			170
Parli					
Unit 3	3.24	37.81	152	123	150
Unit 4	0.00	0.00	0	0	0
Unit 5	3.96	40.82	175	149	167
Unit 6	0.00	0.00	0	0	0
Unit 7	5.20	52.44	247	180	190
Total	12.40	131.07			507
Chandrapur					
Unit 1	3.29	38.80	144	130	150
Unit 2	3.37	33.44	152	119	150
Unit 3	4.50	49.64	198	151	200
Unit 4	4.61	50.12	198	170	200
Unit 5	9.45	112.61	445	270	450
Unit 6	9.50	115.98	465	340	430
Unit 7	7.92	104.45	421	246	350
Total	42.65	505.04			1930
Paras					
Unit 3	5.78	61.68	258	201	250
Unit 4	5.52	60.22	248	210	220
Total	11.30	121.90			470
Khaparkheda					
Unit 1	3.02	37.59	150	105	150
Unit 2	4.05	41.30	195	135	180
Unit 3	0.00	31.13	0	0	0
Unit 4	4.60	42.13	210	166	200
Unit 5	9.98	96.35	480	375	400
Total	21.64	248.50			930
Nasik					
Unit 3	4.51	41.63	195	175	190
Unit 4	4.38	36.14	192	166	190
Unit 5	4.36	46.64	192	165	190
Total	13.26	124.42			570
Uran					
All Units	7.81	91.66	332	313	340
Total	7.81	91.66			340
PENCH (MS)					
Pench (MS)	0.20	3.04	54	0	
Total	0.20	3.04			
Koyna					
Stage 1-2	4.17	35.10	435	40	440
Stage 4	6.48	40.29	818	0	250
Stage 3	2.29	16.20	236	0	240
Kovna 12&4 Total	10.66	75.40			690

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	12.94	91.60			930
Hydro					
KDPH	0.46	3.79	20	19	18
VTRNA	0.00	0.99	0	0	0
TILLARI	0.30	2.94	60	0	60
BHTGR/VEER	0.06	0.64	3	2	2
BHIRA T.R.	0.22	2.19	41	0	40
RNGR+BHTSA	0.40	4.36	17	16	16
BHANDARDRA	0.00	3.71	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.13	12.42	55	44	8
GHATGHAR	1.09	12.77	250	0	0
Total	3.66	43.82			144
Wind					
MalharPeth	0.21	3.24			
Vankuswadi	0.40	4.83			
ATIT	0.07	1.01			
Kale	0.08	1.47			
Satara	0.26	4.28			
Shirala	0.14	1.93			
K Mahankal	0.18	4.05			
Supa	0.07	0.74			
Vita	0.30	4.92			
Dondaicha	0.61	9.96			
Sakri	0.07	1.33			
Nandurbar	0.05	0.80			
Khandke	0.17	2.61			
Khaparale	0.18	2.00			
Total	2.81	43.17			
CPP					
JSW JAIGAD	20.31	225.46	867	787	850
WARDHA	8.87	97.45	375	366	380
Adani	0.00	0.00	0	0	
Other CPPs	10.76	115.94			
Total	39.94	438.86			1230
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.50	108.26	502	286	500
Trombay 6	5.86	63.20	371	156	500
Trombay 7A	2.97	32.63	129	114	120
Trombay 7B	1.65	18.14	71	65	60
Trombay 8	5.69	62.12	251	194	250
TATA Hydro	4.07	37.28	306	0	318
Total	30.75	321.62			1748
REL					
1&2	12.66	124.90	528	526	500
Total	12.66	124.90			500
Cent Sect					
Share					5505
Total					5505

MS PG CL	Thermal	111.16	1323.00			4822
	Thml+Gas	118.97	1414.67			5162
	Hydro	16.60	135.42			1074
	Total	135.57	1550.09			6236
State Total		221.92	2481.67			15219

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 11/Dec/2012

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	4663	431	330	5424	145	1671	4575	4756	-449	-370	11626	149	11775	1832	13607	49.98
2	4728	203	330	5261	104	1661	4684	4832	-426	-344	11514	206	11720	1697	13417	50.01
3	4686	203	330	5219	107	1599	4708	4915	-449	-263	11577	223	11800	1614	13414	50.04
4	4694	177	330	5201	96	1600	4709	4948	-449	-222	11623	237	11860	1570	13430	50.09
5	4725	123	330	5178	107	1596	4725	5022	-449	-211	11692	268	11960	1557	13517	50.03
6	4817	627	330	5774	114	1641	4580	4956	-410	-277	12208	410	12618	1640	14258	49.92
7	4885	377	330	5592	83	1704	5048	5405	-369	-318	12466	802	13268	1788	15056	49.86
8	4885	1164	330	6379	56	1697	5046	5449	-364	-293	13288	794	14082	1905	15987	49.91
9	4815	1131	327	6273	25	1698	5414	5522	-424	-308	13210	817	14027	2152	16179	49.91
10	4765	1474	328	6567	24	1702	5527	5804	-575	-436	13661	612	14273	2470	16743	49.96
11	4712	1610	327	6649	18	1688	5870	6075	-718	-552	13878	590	14468	2643	17111	50.03
12	4620	1534	324	6478	25	1696	5917	6052	-767	-569	13682	813	14495	2700	17195	49.98
13	4494	1235	316	6045	41	1692	5864	6053	-722	-547	13284	931	14215	2693	16908	50.04
14	4520	794	314	5628	76	1688	5636	6055	-639	-502	12945	838	13783	2600	16383	50.18
15	4545	763	313	5621	137	1688	6068	6230	-680	-511	13165	710	13875	2622	16497	50.12
16	4521	444	318	5283	175	1685	6106	6508	-698	-493	13158	603	13761	2603	16364	49.95
17	4466	1026	319	5811	217	1690	5820	5892	-666	-479	13131	492	13623	2591	16214	50.10
18	4485	915	316	5716	227	1616	5260	5308	-668	-457	12418	428	12846	2551	15397	50.11
19	4589	881	319	5789	248	1635	5257	5301	-736	-533	12493	393	12886	2631	15517	49.94
20	4584	564	326	5474	210	1645	5244	5157	-677	-481	12058	570	12628	2596	15224	50.07
21	4610	207	328	5145	165	1654	5015	5125	-635	-426	11717	546	12263	2429	14692	50.13
22	4477	133	332	4942	140	1664	4985	4942	-614	-417	11298	528	11826	2260	14086	50.19
23	4443	188	331	4962	144	1676	4660	4987	-580	-428	11341	235	11576	2091	13667	50.07
24	4433	398	332	5163	123	1652	4359	4643	-504	-329	11252	163	11415	1934	13349	50.23
MUs	111.16	16.60	7.81	135.57	2.81	39.94	125.08	129.94	-13.67	-9.77	298.68	12.36	311.04	53.17	364.21	50.04

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 11/Dec/2012

Position as on 6.30 Hrs of 12/Dec/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refueling work.	
Koradi Unit 5	200	16/09/2012	04.23		Continued.	Low Bunkering, Converted to C O H from 20/09/2012.	
Uran Unit A0	120	15/11/2012	23.56		Continued.	A/OH.	
Koyna Unit 5	80	20/11/2012	23.45		Continued.	To attend water leakage on servomotor, Outage on pressure shaft no.3 of unit	21/12/2012
Koyna Unit 6	75	21/11/2012	07.55		Continued.	Overhauling work of Spherical Valve.	21/12/2012
CPP WPCL U-3	135	26/11/2012	17.33		Continued.	Annual Shutdown.	
Parli Unit 4	210	28/11/2012	02.37		Continued.	W/DN due to water shortage.	
Koyna Unit 12	80	29/11/2012	08.30		Continued.	A/OH.	
CPP JSW (J) U4	300	30/11/2012	23.32		Continued.	Planned shutdown A.M.	
FORCED OUTAGE							
Tata TATA Hydro	444	05/09/2012	03:30		Continued.	BHIRA (BPSU-150MW)Unit tripped due to stator winding fault.	31/12/2012
Dabhol 1B	230	09/10/2012	13.56		Continued.	Gas Shortage.	
Bhusawal Unit 2	210	19/10/2012	22.22		Continued.	ID Fan Problem	
Dabhol 3B	230	28/10/2012	12.43		Continued.	Gas Shortage	
Dabhol 1X	290	02/11/2012	16.26		Continued.	Gas shortage.	
Dabhol 1A	230	02/11/2012	16.27		Continued.	Gas shortage.	
Parli Unit 6	250	07/11/2012	09.57		Continued.	Flame Failure.	
CPP Adani	660	09/11/2012	19.16		Continued.	Tripped due to Tripping of 400KV Wardha-Warora-I.	
Uran Unit 5	108	19/11/2012	23.55		Continued.	Gas Shortage	
Bhusawal Unit 5	500	25/11/2012	07.32		Continued.	Coal Shortage	
Dabhol 3X	290	03/12/2012	21.21		Continued.	Gas Shortage	
Dabhol 3A	230	03/12/2012	21.23		Continued.	Gas Shortage	
Uran Unit 6	108	05/12/2012	11.07		Continued.	Gas shortage.	
Khaparkheda Unit 3	210	09/12/2012	15.21		Continued.	Boiler Tube Leakage	
Bhusawal Unit 4	500	10/12/2012	20.22		Continued.	Boiler Tube Leakage	
Dabhol 2A	230	11/12/2012	16.36		Continued.	Gas Shortage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/Dec/2012

Position as on 6.30 Hrs of 12/Dec/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Tarapur-I	04/11/2012	09.53		Continued.	Mumbai Strengthening work to be carried out on Boiser-Borivali section upto 31/1/2013
Kalmeshwar - Pandurna	08/12/2012	08.13	11/12/2012	15.01	Making tension, Shifting of new tower.
Mahalakshimi-Amona-I	11/12/2012	08.43	11/12/2012	18.58	Maint.work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni - Wardha - I 765KV	03/12/2012	22.34		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	04/12/2012	12.41		Continued.	Over Voltage.
Kolhapur-Mapusa-II	08/12/2012	17.18		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	10/12/2012	23.08		Continued.	Over Voltage
Parly - Solapur (PGCIL) - I	12/12/2012	03.14		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	18/11/2012	11.19		Continued.	To control Wardha-Yawatmal Loading
Voltage Level : 400KV			Outage Type TRIPPED		
Warora - Tiroda - II	09/11/2012	19.16		Continued.	Tripped due to Warora-Wardha(PG)-I on O/V.(Isolator problem at Tiroda)
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Revamping Work of ICT-1.
Dabhol - Nagothane - I	11/12/2012	08.53	11/12/2012	16.26	Testing and Maint.work
Bhusawal - Deepnagar - I	11/12/2012	10.52		Continued.	R Phase Line Isolator Problem(Ready for charging 23.15Hrs)
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kharghar - Kalwa	19/10/2012	08.55		Continued.	Mumbai Strengthening work
Ghodbandar - Bhoisor (MSETCL)	04/11/2012	10.35		Continued.	mumbai strengthening work to be carried out on Boiser-Borivali section upto 31/1/2013
Trombay - Tifil	02/12/2012	08.19		Continued.	Mumbai Strengthening work(Till 30/12/2012)
220/132KV 200 MVA ICT-III @ Padegaon	07/12/2012	14.36		Continued.	Replacement of MOCB(ICT will be charged through TBC.)
Lonand - Bothe (Surwadi)	08/12/2012	10.27	11/12/2012	20.50	220KV peripheral unit(Bus Bar)confirmation through primary
Kalwa - Siemens	10/12/2012	09.28		Continued.	Replacement of 29A&B Isolators(Taken on TBC)
Inter Connector @ Kalwa	11/12/2012	06.57	11/12/2012	09.24	Connecting CT secondary to New Numerical Bus Bar
Mumewadi-Halkarni-II	11/12/2012	07.50	11/12/2012	12.37	Replacement of Old Disc Insulator
Karad-M'peth	11/12/2012	09.16	11/12/2012	18.10	Replacement of Broken Insulator
Deepnagar - Bambhori	11/12/2012	09.35	11/12/2012	16.37	Relay Testing
220/110KV, 200 MVA ICT-I at Mudshingi	11/12/2012	10.05		Continued.	Replacement of LV side Old C.B.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz Alarm. Proposed for Repairs.
Deepnagar-Aurangabad-I	04/12/2012	11.49	11/12/2012	13.18	Over Voltage.
400/220 KV 315 MVA ICT	06/12/2012	12.26		Continued.	Due to abnormal results of DGA test.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/Dec/2012

Position as on 6.30 Hrs of 12/Dec/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
@ Akola					
Khadka - Deepnagar - I	10/12/2012	09.23		Continued.	Over Voltage
Karad - Kolhapur - I	10/12/2012	16.25	11/12/2012	08.53	Over Voltage
Bhusawal- Aurangabad	10/12/2012	16.29	11/12/2012	06.57	Over Voltage
Karad - Kolhapur - II	10/12/2012	19.58	11/12/2012	09.58	Over Voltage
Aurangabad-Deepnagar-II	11/12/2012	13.21		Continued.	Over Voltage
Karad - Kolhapur - II	11/12/2012	16.41		Continued.	Over Voltage
Bhusawal- Aurangabad	11/12/2012	17.36		Continued.	Over Voltage
Karad - Kolhapur - II	11/12/2012	20.05		Continued.	over Voltage
Lonikand- Koyna Stage IV	11/12/2012	21.57		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	10/12/2012	21.43		Continued.	Due to Overloading
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated. Declared Faulty by Genco. Sent for Repairs.
Bhusawal - Deepnagar - II	11/12/2012	11.55	11/12/2012	12.48	Bus Bar Protection operated
Khadka - Deepnagar - II	11/12/2012	11.55	11/12/2012	12.48	Main Bus-I Prot.operated
400 KV Main Bus-I at Deepnagar	11/12/2012	11.55	11/12/2012	12.46	Bus Bar Prot.Operated
Voltage Level : 220KV			Outage Type TRIPPED		
Bus section-II at Nsk GCR	08/12/2012	01.41		Continued.	Bus Section-II,'B' ph.CT burst.
Karad-Pedambe	12/12/2012	00.15		Continued.	Distance Protection
Chinchwad-Parvati	12/12/2012	04.20		Continued.	Distance Protection
Pedambe-Mahad	12/12/2012	05.38		Continued.	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Kharephaten - Tale Bajar	11/12/2012	00.44	11/12/2012	09.10	Distance Protection
Adegaon - Raymond	11/12/2012	04.56	11/12/2012	10.42	A/R Lock Out
Gangakhed - Sonpeth- II	12/12/2012	02.45	12/12/2012	03.45	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 12/Dec/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	125
Unit 7	210	135
	620	260
Bhusawal		
Unit 2	210	0
Unit 3	210	170
Unit 4	500	0
Unit 5	500	
	1420	170
Parli		
Unit 3	210	140
Unit 4	210	0
Unit 5	210	169
Unit 6	250	0
Unit 7	250	190
	1130	499
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	190
Unit 4	210	200
Unit 5	500	430
Unit 6	500	400
Unit 7	500	300
	2340	1820
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
Khaparkheda		
Unit 1	210	145
Unit 2	210	185
Unit 3	210	0
Unit 4	210	170
Unit 5	500	449
	1340	949
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	310
	852	310
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	440
Stage 4	1000	250
Stage 3	320	240
	1920	930
Hydro		
KDPH	40	18
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	3
BHIRA T.R.	80	40
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	147
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	600	824
WARDHA	405	368
Adani	660	
Other CPPs	0	
	1665	1192
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	318
	2024	1748
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5274
	3455	5274