



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

State Load Dispatch Center, Airoli

Daily system Report

for

16/Dec/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 16/Dec/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	117.849	1883.969	1) Gujrat	8.279	185.233
2) Hydro	7.051	197.743	2) Madhya Pradesh	14.887	278.783
3) Gas	10.406	137.331	3) Chattisgarh	12.400	197.440
Total MSGENCO	135.306	2219.043	4) Maharashtra	72.766	1145.844
B) 1) JSW JAIGAD	19.970	327.576	5) Goa	-5.147	-87.253
2) WPCL	8.867	141.576	6) TAPS 1&2 Injection	3.204	55.042
3) ADANI	0.000	0.000	7) RGPPL Injection	11.393	141.669
4) Other CPP / IPP	11.324	173.171	8) Pench (Excess)	-0.166	-4.003
5) Wind Generation	6.064	58.907	# Total Cent. Sector	117.616	1912.755
6) PENCH (MS)	0.166	4.003	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-6.250	-149.388
1) TPCL Thermal	23.590	410.779	G) Bilateral Power *		
2) TPCL Hydro	0.140	53.119	1) MSEDCL Bilateral	44.702	628.126
TOTAL TPCL	23.730	463.898	Include PX	6.211	47.249
3) REL Thermal	12.384	187.626	2) MUMBAI Bilateral	7.384	168.487
D) STATE			Include PX	-3.340	2.947
1) Thermal (A1+C1+C3)	153.823	2482.374	3) MUMBAI Schedule	7.384	169.787
2) Hydro (A2+B5+C2)	7.357	254.865	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.406	137.331	1) MSEDCL	293.063	4687.643
4) Wind (B4)	6.064	58.907	2) TPCL	28.029	536.464
5) CPP (B1+B2+B3)	40.161	642.323	3) REL	14.331	264.422
TOTAL STATE	217.811	3575.800	TOTAL STATE	335.423	5488.529

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5006	5273	4355
MSGENCO Hydro	754	282	178
MSGENCO Gas	421	425	442
MSGENCO Total Generation	6181	5980	4975
Central Sector Receipt	5706	4928	4498
WIND	404	172	227
CPP / IPP	1704	1622	1629
Exchange with Mumbai	-356	-374	-100
MSEDCL DEMAND MET	13639	12361	11229
Load Shedding	876	425	127
MSEDCL DEMAND	14515	12786	11356
TPCL GENERATION	1076	1136	821
R-INFRA GENERATION	529	529	507
TPCL+R-INFRA DEMAND	1961	2039	1428
STATE DEMAND MET	15600	14400	12657
STATE DEMAND	16476	14825	12784
Frequency (Hz)	49.90	50.05	50.06

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.58 Hz at 23:59 Hrs	49.67 Hz at 08:22 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 16/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	3.15	49.67	150	105	130
Unit 7	3.49	51.24	165	95	130
Total	6.64	100.92			260
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.42	69.72	195	170	150
Unit 4	8.44	90.72	400	335	300
Unit 5	1.28	4.64	150	0	103
Total	14.14	165.09			553
Parli					
Unit 3	2.37	52.90	117	89	90
Unit 4	0.00	0.00	0	0	0
Unit 5	3.69	60.04	175	135	157
Unit 6	0.00	0.00	0	0	0
Unit 7	5.27	78.59	249	171	170
Total	11.33	191.53			417
Chandrapur					
Unit 1	3.51	56.34	151	143	150
Unit 2	1.12	38.28	124	0	60
Unit 3	4.43	71.69	199	163	190
Unit 4	4.46	72.69	192	175	200
Unit 5	9.64	162.95	460	275	350
Unit 6	9.76	165.19	475	285	350
Unit 7	8.52	146.67	430	285	350
Total	41.44	713.80			1650
Paras					
Unit 3	5.51	89.66	258	196	250
Unit 4	5.29	88.09	237	195	250
Total	10.80	177.76			500
Khaparkheda					
Unit 1	3.68	56.76	170	135	180
Unit 2	4.10	60.72	190	125	180
Unit 3	0.00	31.13	0	0	0
Unit 4	3.84	62.85	174	145	190
Unit 5	10.15	146.99	475	361	400
Total	21.76	358.45			950
Nasik					
Unit 3	3.98	63.28	190	120	190
Unit 4	3.62	45.41	166	141	190
Unit 5	4.14	67.74	185	150	190
Total	11.74	176.43			570
Uran					
All Units	10.41	137.33	446	417	430
Total	10.41	137.33			430
PENCH (MS)					
Pench (MS)	0.17	4.00	53	0	0
Total	0.17	4.00			0
Koyna					
Stage 1-2	1.78	51.42	235	35	440
Stage 4	0.00	57.54	0	0	250
Stage 3	0.71	23.58	136	0	240
Kovna 12&4 Total	1.78	108.95			690

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.49	132.53			930
Hydro					
KDPH	0.46	6.05	19	18	19
VTRNA	0.18	1.53	61	0	0
TILLARI	0.12	4.18	60	0	60
BHTGR/VEER	0.46	2.48	19	19	3
BHIRA T.R.	0.16	3.30	40	0	80
RNGR+BHTSA	0.40	6.34	17	16	15
BHANDARDRA	0.51	4.53	22	21	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.02	17.08	49	40	9
GHATGHAR	1.26	19.72	250	0	0
Total	4.56	65.21			186
Wind					
MalharPeth	0.40	4.15			
Vankuswadi	0.72	6.37			
ATIT	0.06	1.21			
Kale	0.34	2.10			
Satara	1.82	7.47			
Shirala	0.28	2.61			
K Mahankal	0.04	5.17			
Supa	0.07	1.01			
Vita	1.39	8.48			
Dondaicha	0.40	11.80			
Sakri	0.05	1.54			
Nandurbar	0.02	0.96			
Khandke	0.40	3.72			
Khaparale	0.10	2.31			
Total	6.06	58.91			
CPP					
JSW JAIGAD	19.97	327.58	866	792	908
WARDHA	8.87	141.58	373	366	368
Adani	0.00	0.00	0	0	
Other CPPs	11.32	173.17			
Total	40.16	642.32			1276
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.80	159.02	502	287	500
Trombay 6	3.77	87.37	158	156	500
Trombay 7A	2.74	46.85	115	114	120
Trombay 7B	1.57	26.16	67	65	60
Trombay 8	5.70	91.38	252	197	250
TATA Hydro	0.14	53.12	67	0	318
Total	23.73	463.90			1748
REL					
1&2	12.38	187.63	530	392	500
Total	12.38	187.63			500
Cent Sect					
Share					4843
Total					4843

MS PG CL	Thermal	117.85	1883.97			4900
	Thml+Gas	128.26	2021.30			5330
	Hydro	7.05	197.74			1116
	Total	135.31	2219.04			6446
State Total		217.81	3575.80			14813

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/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	4469	188	442	5099	191	1660	4588	4726	-335	-221	11455	46	11501	1625	13126	50.02
2	4354	203	442	4999	195	1641	4370	4856	-270	-130	11561	109	11670	1498	13168	50.08
3	4355	178	442	4975	227	1629	4129	4498	-239	-100	11229	127	11356	1428	12784	50.06
4	4397	193	443	5033	328	1633	4342	4456	-456	-160	11290	135	11425	1388	12813	50.21
5	4428	157	444	5029	335	1627	4349	4572	-456	-173	11390	168	11558	1386	12944	50.06
6	4627	156	446	5229	392	1647	4536	4585	-225	-123	11730	306	12036	1455	13491	49.99
7	4866	156	446	5468	418	1664	5007	4878	-253	-162	12266	558	12824	1518	14342	50.04
8	4930	196	445	5571	380	1666	5014	5234	-267	-152	12699	708	13407	1549	14956	49.86
9	4991	269	441	5701	370	1725	5222	5070	-192	-166	12700	909	13609	1673	15282	49.84
10	5043	659	434	6136	321	1714	5229	5380	-221	-203	13348	718	14066	1817	15883	49.92
11	5024	847	420	6291	334	1700	5592	5584	-280	-301	13608	659	14267	1918	16185	49.97
12	5006	754	421	6181	404	1704	5518	5706	-306	-356	13639	876	14515	1961	16476	49.90
13	4998	620	420	6038	270	1705	5357	5299	-290	-335	12977	978	13955	1954	15909	49.91
14	5125	368	419	5912	205	1696	5291	5374	-260	-292	12895	859	13754	1906	15660	50.03
15	5094	293	420	5807	145	1704	5561	5534	-210	-244	12946	727	13673	1857	15530	50.10
16	5082	211	425	5718	176	1701	5516	5490	-191	-189	12896	633	13529	1802	15331	49.89
17	5038	214	427	5679	84	1699	5173	5130	-174	-218	12374	537	12911	1797	14708	50.08
18	5115	266	417	5798	133	1646	4589	4358	-210	-217	11729	489	12218	1832	14050	50.09
19	5273	282	425	5980	172	1622	4786	4928	-374	-374	12361	425	12786	2039	14825	50.05
20	5242	201	429	5872	156	1648	4878	4541	-414	-411	11853	357	12210	2096	14306	50.07
21	5222	164	433	5819	177	1657	4745	4522	-454	-423	11805	153	11958	2061	14019	50.08
22	5206	172	440	5818	193	1681	4665	4215	-454	-421	11508	149	11657	2011	13668	50.19
23	5050	155	441	5646	200	1697	4495	4155	-452	-415	11283	20	11303	1910	13213	50.22
24	4914	149	444	5507	258	1695	4507	4525	-399	-464	11521	14	11535	1883	13418	50.32
MUs	117.85	7.05	10.41	135.31	6.06	40.16	117.46	117.62	-7.38	-6.25	293.06	10.66	303.72	42.36	346.09	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 16/Dec/2012

Position as on 6.30 Hrs of 17/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	
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	
Dabhol 2A	230	11/12/2012	16.36		Continued.	Gas Shortage	
Chandrapur Unit 2	210	12/12/2012	23.58	16/12/2012	05.56	Boiler Tube Leakage.	
Bhusawal Unit 5	500	16/12/2012	00.51	16/12/2012	13.05	Generator Problem.	
Chandrapur Unit 2	210	16/12/2012	13.12	16/12/2012	18.27	Low Vaccum.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 16/Dec/2012

Position as on 6.30 Hrs of 17/Dec/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Wardha (PG) - Mouda - I	14/12/2012	15.03	16/12/2012	14.21	For LILO Work.
Kolhapur-Solapur(PGCIL)-I	14/12/2012	20.37		Continued.	To attend Hot Spot.(Sparking @ W T)
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
Mahalakshimi-Amona-I	16/12/2012	08.15	16/12/2012	17.36	Insulator Replacement.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	14/12/2012	17.55		Continued.	Over Voltage.
Akola - Wardha - I	16/12/2012	21.02	17/12/2012	07.05	Over Voltage.
Seoni - Wardha - I 765KV	17/12/2012	02.19	17/12/2012	06.39	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)
Dhule - S'Sarovar- II	15/12/2012	17.06		Continued.	Over Voltage.
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.
Khadka - Deepnagar - II	12/12/2012	09.56		Continued.	Scada Testing Work,Ready for Charging.
400/220 KV 500 MVA ICT - II at Khaparkheda	16/12/2012	12.35	16/12/2012	16.49	Isolator Sparking.
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.)
Aarey-Borivali-I	16/12/2012	09.11	16/12/2012	14.32	Attending Hot Sopt.
Pedambe-Mahad	16/12/2012	10.00	16/12/2012	11.25	Signature by Taurus Kit.
Pedambe-Tambati	16/12/2012	11.30	16/12/2012	13.20	Signature By Taurus Kit.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kandalgaon - Mhasale	13/12/2012	08.10		Continued.	Breaker Repairing Work.(Till 22/12/12)
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220KV 500MVA ICT- I at Khaperkheda	16/12/2012	12.48	16/12/2012	14.06	Fire on R Ph. C T of Tie Breaker.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/132 KV 200 MVA ICT- I @ Harangul	16/12/2012	20.27		Continued.	To Attend Red Hot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA	12/07/2012	07.11		Continued.	Main Buchholz Alarm. Proposed for

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Dec/2012

Position as on 6.30 Hrs of 17/Dec/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Spare Unit @ Koradi					Repairs.
400/220 KV 315 MVA ICT @ Akola	06/12/2012	12.26		Continued.	Due to abnormal results of DGA test.
Aurangabad-Deepnagar-II	11/12/2012	13.21		Continued.	Over Voltage
Bhusawal- Aurangabad	13/12/2012	16.34	17/12/2012	06.37	Over Voltage.
Karad - Kolhapur - I	15/12/2012	16.34	16/12/2012	08.52	Over Voltage.
Karad - Kolhapur - II	15/12/2012	20.07		Continued.	Over Voltage.
Karad - Kolhapur - I	16/12/2012	21.32		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	16/12/2012	22.39	17/12/2012	06.41	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.
Voltage Level : 220KV			Outage Type TRIPPED		
220/33 KV 50 MVA T/F - I @ Dastri	16/12/2012	16.51	16/12/2012	17.08	L V Side R Phase C T Burst.
Voltage Level : 132KV			Outage Type TRIPPED		
Kalmeshwar-Saoner Ckt.II	16/12/2012	16.52	16/12/2012	17.14	Zone-I, R Phase Dist.@ Kalmeshwar End.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 17/Dec/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	125
Unit 7	210	105
	620	230
Bhusawal		
Unit 2	210	0
Unit 3	210	190
Unit 4	500	350
Unit 5	500	0
	1420	540
Parli		
Unit 3	210	125
Unit 4	210	0
Unit 5	210	145
Unit 6	250	0
Unit 7	250	170
	1130	440
Chandrapur		
Unit 1	210	150
Unit 2	210	130
Unit 3	210	180
Unit 4	210	180
Unit 5	500	350
Unit 6	500	350
Unit 7	500	350
	2340	1690
Paras		
Unit 3	250	220
Unit 4	250	220
	500	440
Khaparkheda		
Unit 1	210	172
Unit 2	210	184
Unit 3	210	0
Unit 4	210	174
Unit 5	500	420
	1340	950
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	430
	852	430
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	19
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	19
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	22
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	244
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	1039
WARDHA	405	369
Adani	660	
Other CPPs	0	
	1665	1408
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	5131
	3455	5131