



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Apr/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 04/Apr/2013 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	125.196	470.375	1) Gujrat	19.392	77.859
2) Hydro	7.084	36.869	2) Madhya Pradesh	19.746	86.901
3) Gas	10.561	43.428	3) Chattisgarh	6.500	34.010
Total MSGENCO	142.841	550.672	4) Maharashtra	71.290	305.271
B) 1) JSW JAIGAD	24.279	92.314	5) Goa	-6.128	-24.520
2) WPCL	7.308	27.378	6) TAPS 1&2 Injection	0.000	0.000
3) ADANI	0.000	22.670	7) RGPPL Injection	14.466	23.312
4) Other CPP / IPP	11.400	39.140	8) Pench (Excess)	-0.302	-0.991
5) Wind Generation	8.454	39.771	# Total Cent. Sector	124.964	501.842
6) PENCH (MS)	0.302	0.991	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-12.947	-43.387
1) TPCL Thermal	26.898	111.456	G) Bilateral Power *		
2) TPCL Hydro	3.486	14.865	1) MSEDCL Bilateral	42.242	195.568
TOTAL TPCL	30.384	126.321	Include PX	18.306	73.334
3) REL Thermal	12.572	50.351	2) MUMBAI Bilateral	16.128	59.615
D) STATE			Include PX	4.321	16.458
1) Thermal (A1+C1+C3)	164.666	632.182	3) MUMBAI Schedule	16.128	59.615
2) Hydro (A2+B5+C2)	10.872	52.725	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.561	43.428	1) MSEDCL	306.601	1231.391
4) Wind (B4)	8.454	39.771	2) TPCL	36.930	147.939
5) CPP (B1+B2+B3)	42.987	158.832	3) REL	18.972	72.114
TOTAL STATE	237.540	926.938	TOTAL STATE	362.503	1451.444

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	5365	5313	5038
MSGENCO Hydro	299	251	121
MSGENCO Gas	440	446	437
MSGENCO Total Generation	6104	6010	5596
Central Sector Receipt	6654	5841	4395
WIND	109	306	571
CPP / IPP	1760	1837	1655
Exchange with Mumbai	-849	-840	24
MSEDCL DEMAND MET	13778	13154	12241
Load Shedding	594	456	196
MSEDCL DEMAND	14372	13610	12437
TPCL GENERATION	1423	1454	1093
R-INFRA GENERATION	524	520	524
TPCL+R-INFRA DEMAND	2796	2814	1593
STATE DEMAND MET	16574	15968	13834
STATE DEMAND	17168	16424	14030
Frequency (Hz)	49.95	49.92	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.41 Hz at 13.01 Hrs	49.5 Hz at 22.20 Hrs	49.96	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 04/Apr/2013

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	2.50	11.65	166	0	0
Unit 7	4.18	16.65	180	145	170
Total	6.68	28.30			170
Bhusawal					
Unit 2	3.91	14.22	175	150	150
Unit 3	3.94	15.32	180	155	160
Unit 4	10.24	30.48	475	365	430
Unit 5	4.26	15.74	245	130	0
Total	22.34	75.76			740
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	0.00	0	0	0
Unit 7	0.00	0.00	0	0	0
Total	0.00	0.00			0
Chandrapur					
Unit 1	3.15	12.22	134	128	145
Unit 2	3.52	14.50	159	129	160
Unit 3	4.57	17.76	198	182	200
Unit 4	4.47	16.58	196	170	200
Unit 5	9.52	38.38	415	370	400
Unit 6	10.50	41.82	450	424	450
Unit 7	9.54	38.14	435	315	450
Total	45.28	179.38			2005
Paras					
Unit 3	6.02	23.70	263	234	250
Unit 4	6.06	21.31	266	238	250
Total	12.08	45.01			500
Khaparkheda					
Unit 1	3.55	15.95	160	125	143
Unit 2	3.62	14.74	160	135	141
Unit 3	3.56	15.81	160	132	144
Unit 4	3.84	17.24	169	156	145
Unit 5	10.92	24.98	505	390	437
Total	25.49	88.73			1010
Nasik					
Unit 3	4.46	17.91	200	175	195
Unit 4	4.37	17.13	187	175	185
Unit 5	4.50	18.15	200	174	195
Total	13.32	53.19			575
Uran					
All Units	10.56	43.43	450	430	440
Total	10.56	43.43			440
PENCH (MS)					
Pench (MS)	0.30	0.99	53	0	0
Total	0.30	0.99			0
Koyna					
Stage 1-2	2.09	11.26	395	40	600
Stage 4	0.48	4.19	218	0	250
Stage 3	0.77	3.58	160	0	240
Kovna 12&4 Total	2.56	15.45			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.33	19.03			1090
Hydro					
KDPH	0.42	2.86	20	0	36
VTRNA	1.01	4.01	61	0	61
TILLARI	0.29	1.49	60	0	60
BHTGR/VEER	0.04	0.18	2	1	2
BHIRA T.R.	0.16	0.62	57	0	40
RNGR+BHTSA	0.31	1.30	14	13	14
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.13	3.63	47	47	0
GHATGHAR	0.39	3.77	225	0	0
Total	3.75	17.84			213
Wind					
MalharPeth	0.77	2.13			
Vankuswadi	0.98	2.92			
ATIT	0.56	1.02			
Kale	0.35	1.03			
Satara	0.88	3.42			
Shirala	0.50	1.44			
K Mahankal	0.41	2.08			
Supa	0.12	0.45			
Vita	0.98	3.96			
Dondaicha	1.79	14.80			
Sakri	0.22	1.91			
Nandurbar	0.24	1.66			
Khandke	0.52	1.83			
Khaparale	0.13	1.12			
Total	8.45	39.77			
CPP					
JSW JAIGAD	24.28	92.31	1046	946	1020
WARDHA	7.31	27.38	314	299	312
Adani	0.00	22.67	0	0	0
Other CPPs	11.40	39.14			
Total	42.99	181.50			1332
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.93	47.32	503	440	500
Trombay 6	4.34	21.65	233	147	500
Trombay 7A	2.98	11.97	127	120	120
Trombay 7B	1.62	6.50	69	66	60
Trombay 8	6.02	24.02	252	249	250
TATA Hydro	3.49	14.86	357	0	447
Total	30.38	126.32			1877
REL					
1&2	12.57	50.35	525	520	500
Total	12.57	50.35			500
Cent Sect					
Share					6402
Total					6402

MS PG CL	Thermal	125.20	470.38			5000
	Thml+Gas	135.76	513.80			5440
	Hydro	7.08	36.87			1303
	Total	142.84	550.67			6743
State Total		237.54	926.94			16854

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/Apr/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	5017	464	440	5921	529	1685	4783	4979	-472	-250	12864	139	13003	1912	14915	49.95
2	4984	171	437	5592	618	1652	4753	4791	-432	-128	12525	165	12690	1748	14438	50.00
3	4999	121	438	5558	648	1650	4363	4624	-428	-34	12446	179	12625	1653	14278	50.01
4	5038	121	437	5596	571	1655	4350	4395	-402	24	12241	196	12437	1593	14030	50.03
5	5095	131	436	5662	553	1641	4339	4551	-396	37	12444	240	12684	1580	14264	49.98
6	5134	141	437	5712	554	1646	4718	4979	-397	-32	12869	368	13237	1674	14911	49.96
7	5097	121	432	5650	490	1689	4966	4943	-421	-156	12666	874	13540	1777	15317	50.02
8	5311	167	430	5908	272	1700	4992	5316	-435	-302	12944	890	13834	1924	15758	50.06
9	5458	187	439	6084	257	1743	5064	5334	-552	-480	12945	844	13789	2208	15997	49.99
10	5388	267	438	6093	177	1770	5732	6075	-789	-718	13397	583	13980	2545	16525	50.00
11	5365	299	440	6104	109	1760	6341	6654	-907	-849	13778	594	14372	2796	17168	49.95
12	5296	412	432	6140	128	1792	5974	6121	-935	-840	13341	690	14031	2885	16916	49.93
13	5316	314	440	6070	161	1797	5965	5695	-907	-847	12876	828	13704	2867	16571	50.07
14	5357	187	435	5979	203	1798	5907	5806	-857	-921	12865	647	13512	2771	16283	50.19
15	5411	182	436	6029	255	1798	5790	5967	-862	-831	13218	483	13701	2820	16521	49.95
16	5406	241	437	6084	283	1778	5703	6214	-888	-833	13526	453	13979	2821	16800	49.97
17	5313	251	446	6010	306	1837	5503	5841	-886	-840	13154	456	13610	2814	16424	49.92
18	5275	291	440	6006	337	1853	4721	4335	-823	-977	11561	603	12164	2744	14908	50.03
19	5158	290	445	5893	358	1982	4670	4508	-823	-901	11893	365	12258	2620	14878	49.81
20	5112	356	446	5914	360	2088	4799	4697	-835	-787	12325	542	12867	2669	15536	49.81
21	5087	365	450	5902	421	2044	4763	4827	-787	-692	12554	393	12947	2577	15524	49.81
22	5171	436	450	6057	315	1976	4673	4786	-671	-602	12552	234	12786	2423	15209	49.84
23	5229	730	450	6409	254	1872	4584	4773	-620	-508	12800	184	12984	2298	15282	49.78
24	5179	839	450	6468	295	1781	4487	4753	-604	-480	12817	142	12959	2184	15143	49.93
MUs	125.20	7.08	10.56	142.84	8.45	42.99	121.94	124.96	-16.13	-12.95	306.60	11.09	317.69	55.90	373.60	49.96

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 04/Apr/2013

Position as on 6.30 Hrs of 05/Apr/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Koradi Unit 5	200	16/09/2012	04.23		Continued.	C.O.H.,Generator Stator Replacement.	12/04/2013
Parli Unit 4	210	28/11/2012	02.37		Continued.	water shortage.	
Koyna Unit 12	80	29/11/2012	08.30		Continued.	A/OH.	
Cent_Sect Tarapur 2	80	31/12/2012	17.05		Continued.	Refuelling work	
Parli Unit 6	250	25/01/2013	19.49		Continued.	Water Shortage/AOH from 06.03.2013	
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Parli Unit 5	210	14/02/2013	22.45		Continued.	Water Shortage	
Parli Unit 7	250	17/02/2013	01.00		Continued.	Water Shortage.	
Cent_Sect TARAPUR-3	540	30/03/2013	22.30		Continued.	AOH.	
FORCED OUTAGE							
Dabhol 1B	230	09/10/2012	13.56		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.	
Dabhol 2B	230	03/01/2013	13.29		Continued.	Gas shortage.	
CPP Adani U1	660	31/01/2013	17:05		Continued.	400kV Tirora-Warora isolator sparking	
CPP WPCL U-4	135	04/02/2013	19.16		Continued.	ID fan vibration problem.	
Dabhol 2A	230	06/02/2013	21.32		Continued.	Gas Shortage	
Dabhol 2X	290	06/02/2013	21.32		Continued.	Gas Shortage	
Dabhol 3B	230	21/02/2013	23.08	04/04/2013	16:34	Gas shortage.	
Cent_Sect Tarapur 1	80	04/03/2013	05.30		Continued.	Pressure Pump Seal Leakage.	
Uran Unit 7	108	02/04/2013	10.45		Continued.	Gas Restriction	
CPP Adani U-2	660	02/04/2013	14.00		Continued.	Super heater header drain wall.	
Koradi Unit 6	210	03/04/2013	08.42	04/04/2013	06.49	I.D fan problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Apr/2013

Position as on 6.30 Hrs of 05/Apr/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		
Akola - Aurangabad - II	04/04/2013	13:25	04/04/2013	16:03	Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha (PG) - Warora - I	02/04/2013	17.06		Continued.	Over Voltage.
Seoni-Wardha-II 765KV.	02/04/2013	18.01		Continued.	Over Voltage.
Dhule-S'Sarovar I	02/04/2013	20.10	04/04/2013	10:29	Over Voltage.
Kolhapur - Mapusa - I	03/04/2013	16.37	04/04/2013	10:53	Over Voltage.
Kolhapur-Solapur (PG) II	03/04/2013	17.53		Continued.	Over Voltage.
Kolhapur - Mapusa - II	04/04/2013	18:03		Continued.	Over voltage.
Dhule-Sar'Sarovar - II	04/04/2013	23:52		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Warora - Tiroda - II	18/03/2013	16.15		Continued.	Over Voltage,while charging Warora-Tiroda I first time charge.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC Pole-I	04/04/2013	18:18	04/04/2013	21:54	CRM Measurement.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Koradi-Khaparkheda-I	14/03/2013	10.05		Continued.	Erection of 3 No's of 400KV CT,CT Testing & CB Trials,Tie Bkr @ K'kheda Out,Line in Service.
400/220KV 167MVA Spare ICT at Kalwa	02/04/2013	11.30		Continued.	Demonstration of various megger kit.
Lonikand - Chakan	04/04/2013	08:01	04/04/2013	18:52	Q.M. & Testing work.
400/220 KV 315 MVA ICT @ Bhusawal	04/04/2013	08:25	04/04/2013	19:45	Testing Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 200 MVA ICT-I @ Padgha	06/03/2013	11.41		Continued.	Isolator replacement work(Up to 10/4/13)
220/100KV 200MVA ICT-IV at Kalwa	20/03/2013	08.24		Continued.	Repl.of LV Bkr,up to 03.04.2013
Padgha-Vasai	25/03/2013	15.12		Continued.	On TBC at Padgha for Bkr repl. work.
Bus Coupler @ Boiser	31/03/2013	09.33		Continued.	Bkr Repl.work under JICA.
Apta-Bombay Dyeing	04/04/2013	08:24	04/04/2013	19:21	Repl. of line & Bus ISO at Bombay Dyeing.
220/132 KV 150 MVA,ICT - 6 at NSK (GCR)	04/04/2013	08:44	04/04/2013	16:53	Testing Work.
220/100 KV 150 MVA T/F-4 at Chinchwad	04/04/2013	10:15	04/04/2013	17:08	Tan Delta of Winding & Bushing work.
220/132 KV 150 MVA T/F - 7 at Chinchwad	04/04/2013	10:18	04/04/2013	18:14	Tan Delta of Winding & Bushing work.
Wardha - Yawatmal	04/04/2013	10:18	04/04/2013	14:41	Line Maintenance Work.
Karad-Mudsingi-IV	04/04/2013	10:38	04/04/2013	13:04	Testing Work.
Babaleshwar - Alephata	04/04/2013	11:21	04/04/2013	20:25	Q. M. Work.
220/22KV 50MVA T/F - I @ Mahad	04/04/2013	14:19	04/04/2013	17:41	Differential Realy Testing Work.
Pedambe - Watter	04/04/2013	14:45	04/04/2013	16:55	Tan Delta Measurment Work.
Karad - Kiniwathar	04/04/2013	14:45	04/04/2013	16:55	CT Tan Delta Measurement.
KDPH-Wankuswadi	04/04/2013	22:25	05/04/2013	00:10	For attending B-Phase Bus isolator female contact.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 04/Apr/2013

Position as on 6.30 Hrs of 05/Apr/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Pophali - KDPH	04/04/2013	22:30	05/04/2013	00:35	For attending B-Phase Bus Isolator Female contact.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Whirlpool - Ismit	08/03/2013	08.45		Continued.	Erection of Tower & D/C String of New Conductor Outage Upto 30/3/2013.
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
400/220 KV 105 MVA Spare ICT Unit @ Bhusawal - II	02/02/2013	10.17		Continued.	Low Oil Pressure Alarm Received.
400/220KV 500MVA ICT-II at Warora	07/02/2013	17.57		Continued.	Handtripped
Khadka - Deepnagar - II	07/03/2013	06.17		Continued.	Over Voltage.
Aurangabad-Deepnagar-II	21/03/2013	11.15		Continued.	Hand Tripped
Bhusawal- Aurangabad	01/04/2013	16.32		Continued.	Over Voltage.
Karad - Kolhapur - I	03/04/2013	16.12	04/04/2013	06.42	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	04/02/2013	23.36		Continued.	Due to over loading.
Gorai - Borivali - II	04/04/2013	12:03		Continued.	Safety Purpose.(to work of 220 KV Gorai-Borivali - I Work.)
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.
Koradi - II - Indiabull	03/04/2013	17.55		Continued.	Over Voltage.
Padgha - Nagothane - I	04/04/2013	03.30		Continued.	Over Voltage.
Padgha - Nagothane - I	04/04/2013	03:30	04/04/2013	07:21	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Borivali (M) - Gorai (Rel) - I (cable)	31/03/2013	21:56		Continued.	Line diferential protection, dist.,protection tripped at both ends.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/Apr/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	175
Unit 7	210	180
	620	355
Bhusawal		
Unit 2	210	170
Unit 3	210	170
Unit 4	500	484
Unit 5	500	0
	1420	824
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	0
	1130	0
Chandrapur		
Unit 1	210	145
Unit 2	210	160
Unit 3	210	200
Unit 4	210	200
Unit 5	500	400
Unit 6	500	450
Unit 7	500	425
	2340	1980
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	160
Unit 4	210	160
Unit 5	500	500
	1340	1140
Nasik		
Unit 3	210	195
Unit 4	210	185
Unit 5	210	195
	630	575
Uran		
All Units	852	440
	852	440
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	18
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	2
BHIRA T.R.	80	40
RNGR+BHTSA	20	14
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	195
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	700
WARDHA	405	300
Adani	1320	
Other CPPs	0	
	2925	1000
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	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5482
	3455	5482