



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

State Load Dispatch Center, Airoli

Daily system Report

for

07/Apr/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 07/Apr/2013 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	115.161	829.701	1) Gujrat	9.352	113.400
2) Hydro	7.207	64.719	2) Madhya Pradesh	18.134	143.794
3) Gas	10.919	74.639	3) Chattisgarh	7.310	55.800
Total MSGENCO	133.287	969.059	4) Maharashtra	60.095	504.823
B) 1) JSW JAIGAD	23.315	164.396	5) Goa	-5.866	-42.283
2) WPCL	7.434	49.579	6) TAPS 1&2 Injection	3.087	3.087
3) ADANI	14.540	47.280	7) RGPPL Injection	28.416	87.962
4) Other CPP / IPP	8.133	69.603	8) Pench (Excess)	0.000	-1.364
5) Wind Generation	12.657	64.585	# Total Cent. Sector	120.528	865.219
6) PENCH (MS)	0.000	1.364	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-14.078	-84.931
1) TPCL Thermal	19.929	183.010	G) Bilateral Power *		
2) TPCL Hydro	1.037	24.409	1) MSEDCL Bilateral	39.395	307.872
TOTAL TPCL	20.966	207.419	Include PX	0.979	87.816
3) REL Thermal	12.433	87.894	2) MUMBAI Bilateral	11.786	100.557
D) STATE			Include PX	3.162	25.548
1) Thermal (A1+C1+C3)	147.523	1100.605	3) MUMBAI Schedule	11.786	100.557
2) Hydro (A2+B5+C2)	8.244	90.492	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.919	74.639	1) MSEDCL	305.816	2146.154
4) Wind (B4)	12.657	64.585	2) TPCL	30.483	251.971
5) CPP (B1+B2+B3)	53.422	298.118	3) REL	16.994	128.238
TOTAL STATE	232.765	1628.439	TOTAL STATE	353.293	2526.363

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	4792	4741	4794
MSGENCO Hydro	561	588	126
MSGENCO Gas	448	444	465
MSGENCO Total Generation	5801	5773	5385
Central Sector Receipt	6048	5191	4655
WIND	180	492	783
CPP / IPP	2269	2193	2175
Exchange with Mumbai	-627	-649	-454
MSEDCL DEMAND MET	13671	13000	12544
Load Shedding	582	406	189
MSEDCL DEMAND	14253	13406	12733
TPCL GENERATION	902	846	813
R-INFRA GENERATION	525	524	421
TPCL+R-INFRA DEMAND	2054	2019	1688
STATE DEMAND MET	15725	15019	14232
STATE DEMAND	16307	15425	14421
Frequency (Hz)	50.01	50.01	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.49 Hz at 18.01 Hrs	49.48 Hz at 20.16 Hrs	50	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

Shift Engineer

Shift Incharge

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 07/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	4.14	24.31	185	160	160
Unit 7	4.31	29.58	195	170	180
Total	8.45	53.90			340
Bhusawal					
Unit 2	4.04	26.49	180	160	170
Unit 3	4.06	27.55	180	150	170
Unit 4	11.32	63.51	490	455	484
Unit 5	5.86	31.95	270	225	
Total	25.28	149.50			824
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	3.23	21.94	140	130	140
Unit 2	3.61	25.71	165	133	160
Unit 3	0.51	22.07	131	0	0
Unit 4	4.46	29.96	194	165	200
Unit 5	0.00	52.10	0	0	0
Unit 6	10.39	72.96	450	415	450
Unit 7	9.15	66.27	412	350	450
Total	31.36	291.00			1400
Paras					
Unit 3	5.88	41.68	260	210	250
Unit 4	5.88	39.39	260	218	250
Total	11.76	81.08			500
Khaparkheda					
Unit 1	3.59	26.15	175	130	160
Unit 2	3.37	24.54	160	76	160
Unit 3	3.48	25.62	171	129	170
Unit 4	3.65	27.28	162	138	170
Unit 5	11.36	58.03	489	438	500
Total	25.44	161.62			1160
Nasik					
Unit 3	4.25	30.96	190	170	185
Unit 4	4.27	30.10	188	170	185
Unit 5	4.35	31.54	195	171	195
Total	12.87	92.61			565
Uran					
All Units	10.92	74.64	469	443	440
Total	10.92	74.64			440
PENCH (MS)					
Pench (MS)	0.00	1.36	0	0	
Total	0.00	1.36			
Koyna					
Stage 1-2	1.45	19.05	135	40	600
Stage 4	0.06	7.22	64	0	250
Stage 3	0.63	6.02	80	0	240
Kovna 12&4 Total	1.51	26.27			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.14	32.30			1090
Hydro					
KDPH	0.76	4.51	38	19	20
VTRNA	1.00	6.89	61	0	60
TILLARI	0.28	2.48	58	0	60
BHTGR/VEER	0.04	0.32	2	1	2
BHIRA T.R.	0.18	1.15	64	0	80
RNGR+BHTSA	0.31	2.22	14	13	13
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.01	6.86	43	42	0
GHATGHAR	1.48	8.00	250	0	0
Total	5.06	32.42			235
Wind					
MalharPeth	0.53	3.48			
Vankuswadi	0.74	4.45			
ATIT	0.11	1.46			
Kale	0.24	1.61			
Satara	0.23	4.27			
Shirala	0.34	2.63			
K Mahankal	1.91	4.90			
Supa	0.09	0.80			
Vita	1.22	7.40			
Dondaicha	5.02	22.95			
Sakri	0.69	3.02			
Nandurbar	0.54	2.61			
Khandke	0.46	2.76			
Khaparale	0.54	2.25			
Total	12.66	64.58			
CPP					
JSW JAIGAD	23.32	164.40	1070	892	975
WARDHA	7.43	49.58	312	306	295
Adani	14.54	47.28	610	600	630
Other CPPs	8.13	69.60			
Total	53.42	330.86			1900
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	5.85	76.47	246	239	500
Trombay 6	3.60	33.02	151	149	500
Trombay 7A	2.97	20.40	126	120	120
Trombay 7B	1.62	11.22	68	67	60
Trombay 8	5.89	41.89	252	193	250
TATA Hydro	1.04	24.41	177	0	447
Total	20.97	207.42			1877
REL					
1&2	12.43	87.89	527	421	500
Total	12.43	87.89			500
Cent Sect					
Share					5271
Total					5271

MS PG CL	Thermal	115.16	829.70			4789
	Thml+Gas	126.08	904.34			5229
	Hydro	7.21	64.72			1325
	Total	133.29	969.06			6554
State Total		232.76	1628.44			16102

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 07/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	4801	115	459	5375	681	2272	5342	5378	-568	-690	13016	109	13125	2053	15178	49.94
2	4824	120	464	5408	654	2269	4989	5111	-402	-494	12948	155	13103	1853	14956	49.97
3	4779	115	463	5357	817	2237	4787	5078	-394	-454	13035	172	13207	1740	14947	50.03
4	4794	126	465	5385	783	2175	4545	4655	-339	-454	12544	189	12733	1688	14421	49.99
5	4812	121	463	5396	764	2181	4525	4566	-321	-368	12539	231	12770	1685	14455	49.98
6	4836	121	466	5423	731	2244	4752	4845	-355	-345	12898	378	13276	1719	14995	49.93
7	4810	131	469	5410	632	2319	4934	5018	-301	-359	13020	783	13803	1723	15526	50.01
8	4830	176	467	5473	459	2303	4935	5178	-302	-366	13047	791	13838	1729	15567	50.04
9	4842	220	458	5520	391	2270	5027	5248	-374	-424	13005	787	13792	1818	15610	50.03
10	4801	458	454	5713	201	2242	5222	5589	-482	-517	13228	590	13818	1941	15759	49.98
11	4792	561	448	5801	180	2269	5460	6048	-578	-627	13671	582	14253	2054	16307	50.01
12	4785	541	443	5769	147	2276	5479	5877	-590	-664	13405	657	14062	2108	16170	49.98
13	4829	258	445	5532	117	2298	5432	5878	-553	-716	13109	799	13908	2111	16019	50.02
14	4789	280	446	5515	143	2232	5434	5794	-540	-696	12988	666	13654	2073	15727	50.05
15	4742	195	447	5384	182	2197	5422	5980	-558	-645	13098	529	13627	2047	15674	49.99
16	4773	400	446	5619	300	2184	5324	5883	-564	-630	13356	452	13808	2029	15837	49.98
17	4741	588	444	5773	492	2193	5309	5191	-554	-649	13000	406	13406	2019	15425	50.01
18	4737	621	453	5811	665	2145	4587	3268	-334	-627	11262	524	11786	1998	13784	50.25
19	4803	482	454	5739	771	2155	4660	3146	-380	-665	11146	381	11527	2028	13555	50.15
20	4799	439	450	5688	862	2135	5294	4011	-629	-689	12007	481	12488	2190	14678	49.97
21	4845	327	448	5620	912	2163	5338	4314	-635	-707	12302	333	12635	2241	14876	49.98
22	4829	287	454	5570	740	2220	5350	4454	-685	-739	12245	179	12424	2240	14664	49.95
23	4794	332	453	5579	533	2217	5441	4922	-688	-774	12477	131	12608	2215	14823	49.93
24	4774	193	460	5427	500	2226	5301	5098	-660	-779	12472	117	12589	2175	14764	49.94
MUs	115.16	7.21	10.92	133.29	12.66	53.42	122.89	120.53	-11.79	-14.08	305.82	10.42	316.24	47.48	363.72	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 07/Apr/2013

Position as on 6.30 Hrs of 08/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 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	
Uran Unit 7	108	02/04/2013	10.45		Continued.	Gas Restriction	
Chandrapur Unit 3	210	05/04/2013	20.27	07/04/2013	17.42	Boiler Tube Leakage.	
Chandrapur Unit 5	500	06/04/2013	12.20		Continued.	Economiser Tube Leakage.	
CPP VIPL	300	06/04/2013	13.25		Continued.	Tripped.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 07/Apr/2013

Position as on 6.30 Hrs of 08/Apr/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
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.
Kolhapur - Mapusa - II	06/04/2013	16.22		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	07/04/2013	17.16		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Tarapur - Borivali	06/04/2013	21.32	07/04/2013	17.30	Distance Protection.
IntraState					
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.
Kalwa-Kharghar	06/04/2013	08.05	07/04/2013	00.30	Main-I Distance Relay Replacement Work @ Kharghar.
Dhule - Babhaleshwar - I	06/04/2013	11.26		Continued.	CB Overhauling Work (Taken on TBC).
400/220 KV,500MVA ICT - III at Parly	07/04/2013	10.31	07/04/2013	12.12	Maintenance & 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)
Bus Coupler @ Boiser	31/03/2013	09.33		Continued.	Bkr Repl.work under JICA.
Kalwa - Kharghar	05/04/2013	10.52		Continued.	Mumbai Stringing Work.
Trombay - Tata Tie - I	07/04/2013	08.33	07/04/2013	21.23	Bus CVT Testing @ Trombay.
Borivali (MSEB)- Borivali (T)	07/04/2013	10.18	07/04/2013	17.58	GIS Roof Work in Vicinity of Line @ Tata Borivali End.
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
Aurangabad-Deepnagar-II	21/03/2013	11.15		Continued.	Hand Tripped
Bhusawal- Aurangabad	01/04/2013	16.32		Continued.	Over Voltage.
Bhusawal - Deepnagar - I	05/04/2013	09.26		Continued.	Over Voltage.
Kolhapur-Karad -I	06/04/2013	17.05	07/04/2013	06.47	Over Voltage.
Karad-Kolhapur-II	07/04/2013	16.36	08/04/2013	07.05	Over Voltage.
Karad - Kolhapur - I	07/04/2013	17.10		Continued.	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.)
Murud - Girawli.	06/04/2013	08.28		Continued.	In View of Parly ICT Outage.
Pusad-Nanded	07/04/2013	09.42	07/04/2013	12.21	In View of Parli ICT Outage.
Girwali - Parbhani	07/04/2013	09.55	07/04/2013	12.15	In View of Parly ICT Outage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 07/Apr/2013

Position as on 6.30 Hrs of 08/Apr/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
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.
400/220 KV 600 MVA ICT - IV @ Padgha	06/04/2013	02.08	07/04/2013	00.19	R Ph.LV Side CT of ICT-IV Burst Resulting in 220KV Bus-II Tripping.
Newkoyna - Jaigad - I	07/04/2013	05.09	07/04/2013	15.00	Distance Protection.
Parli - Solapur	07/04/2013	17.47	07/04/2013	19.46	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.
ONGC-JNPT	07/04/2013	05.46	07/04/2013	07.50	Distance Protection.
Uran - JNPT	07/04/2013	05.46	07/04/2013	08.02	Transient Fault.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 08/Apr/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	165
Unit 7	210	175
	620	340
Bhusawal		
Unit 2	210	153
Unit 3	210	152
Unit 4	500	450
Unit 5	500	
	1420	755
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	0
Unit 6	500	450
Unit 7	500	400
	2340	1555
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	170
Unit 4	210	170
Unit 5	500	450
	1340	1110
Nasik		
Unit 3	210	185
Unit 4	210	185
Unit 5	210	195
	630	565
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	19
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	1
BHIRA T.R.	80	80
RNGR+BHTSA	20	14
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	234
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	1089
WARDHA	405	310
Adani	1320	615
Other CPPs	0	
	2925	2014
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	5277
	3455	5277