



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Apr/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Apr/2013 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	114.034	3332.259	1) Gujrat	14.499	368.278
2) Hydro	11.727	299.232	2) Madhya Pradesh	21.541	614.968
3) Gas	10.620	380.704	3) Chattisgarh	8.810	251.340
Total MSGENCO	136.381	4012.195	4) Maharashtra	61.867	1924.387
B) 1) JSW JAIGAD	26.164	735.719	5) Goa	-6.726	-170.495
2) WPCL	7.805	219.799	6) TAPS 1&2 Injection	3.782	91.149
3) ADANI	14.610	332.720	7) RGPPL Injection	28.280	669.470
4) Other CPP / IPP	8.197	312.662	8) Pench (Excess)	-0.077	-6.846
5) Wind Generation	8.681	303.892	# Total Cent. Sector	131.976	3742.251
6) PENCH (MS)	0.077	6.741	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-18.593	-421.090
1) TPCL Thermal	28.074	786.887	G) Bilateral Power *		
2) TPCL Hydro	3.637	110.012	1) MSEDCL Bilateral	42.594	1281.965
TOTAL TPCL	31.711	896.899	Include PX	1.740	193.421
3) REL Thermal	12.591	376.047	2) MUMBAI Bilateral	17.954	450.347
D) STATE			Include PX	9.221	120.726
1) Thermal (A1+C1+C3)	154.699	4495.193	3) MUMBAI Schedule	17.954	450.347
2) Hydro (A2+B5+C2)	15.441	415.985	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.620	380.704	1) MSEDCL	315.298	9244.889
4) Wind (B4)	8.681	303.892	2) TPCL	40.636	1106.423
5) CPP (B1+B2+B3)	56.776	1282.790	3) REL	22.255	587.525
TOTAL STATE	246.217	6878.564	TOTAL STATE	378.189	10938.837

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4696	4568	4747
MSGENCO Hydro	578	850	174
MSGENCO Gas	438	437	450
MSGENCO Total Generation	5712	5855	5371
Central Sector Receipt	6311	6231	4761
WIND	253	318	504
CPP / IPP	2411	2381	2372
Exchange with Mumbai	-1050	-1096	-308
MSEDCL DEMAND MET	13637	13689	12700
Load Shedding	676	438	230
MSEDCL DEMAND	14313	14127	12930
TPCL GENERATION	1575	1523	1093
R-INFRA GENERATION	523	525	524
TPCL+R-INFRA DEMAND	3148	3144	1925
STATE DEMAND MET	16785	16833	14625
STATE DEMAND	17461	17271	14855
Frequency (Hz)	50.00	49.99	49.83

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.38 Hz at 18.43 Hrs	49.52 Hz at 22.34 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 30/Apr/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.12	14.06	150	100	120
Unit 6	3.15	109.12	150	115	108
Unit 7	3.65	103.26	187	115	120
Total	9.92	226.44			348
Bhusawal					
Unit 2	3.62	102.42	165	130	160
Unit 3	3.76	113.53	165	140	150
Unit 4	7.84	232.03	410	290	349
Unit 5	0.00	65.79	0	0	
Total	15.22	513.78			659
Parli					
Unit 3	0.00	0.00			0
Unit 4	0.00	0.00			0
Unit 5	0.00	0.00			0
Unit 6	0.00	0.00			0
Unit 7	0.00	0.00			0
Total	0.00	0.00			0
Chandrapur					
Unit 1	3.51	76.76	155	137	150
Unit 2	0.00	89.30	0	0	0
Unit 3	4.65	130.71	202	179	200
Unit 4	4.11	131.02	189	141	180
Unit 5	10.60	236.85	455	400	450
Unit 6	9.81	294.57	426	375	400
Unit 7	7.41	228.80	364	250	350
Total	40.09	1188.01			1730
Paras					
Unit 3	5.18	156.66	230	202	230
Unit 4	4.62	160.36	232	124	230
Total	9.80	317.03			460
Khaparkheda					
Unit 1	2.92	106.17	145	70	150
Unit 2	3.31	104.87	185	0	180
Unit 3	4.33	117.28	208	144	190
Unit 4	4.31	123.79	194	148	190
Unit 5	10.86	274.03	471	425	460
Total	25.73	726.14			1170
Nasik					
Unit 3	4.55	133.92	195	175	195
Unit 4	4.21	97.06	180	171	175
Unit 5	4.52	129.90	197	174	195
Total	13.27	360.87			565
Uran					
All Units	10.62	380.70	450	430	440
Total	10.62	380.70			440
PENCH (MS)					
Pench (MS)	0.08	6.74	37	0	
Total	0.08	6.74			
Koyna					
Stage 1-2	3.16	82.21	500	40	530
Stage 4	3.43	60.78	533	0	250
Stage 3	1.57	31.67	236	0	240
Kovna 12&4 Total	6.59	142.99			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	8.16	174.65			1020
Hydro					
KDPH	0.86	23.62	36	31	36
VTRNA	0.94	28.45	61	0	60
TILLARI	0.34	10.51	60	0	60
BHTGR/VEER	0.05	1.39	2	2	2
BHIRA T.R.	0.17	5.56	57	0	40
RNGR+BHTSA	0.29	9.07	12	12	14
BHANDARDRA	0.36	3.31	16	15	20
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.58	24.89	24	23	6
GHATGHAR	0.00	17.78	0	0	0
Total	3.57	124.58			238
Wind					
MalharPeth	0.28	13.51			
Vankuswadi	0.43	19.59			
ATIT	0.06	5.61			
Kale	0.18	7.80			
Satara	1.32	27.32			
Shirala	0.15	9.55			
K Mahankal	0.02	18.70			
Supa	0.23	4.21			
Vita	0.69	31.52			
Dondaicha	3.40	113.28			
Sakri	0.40	14.60			
Nandurbar	0.34	12.03			
Khandke	0.68	14.15			
Khaparale	0.51	12.02			
Total	8.68	303.89			
CPP					
JSW JAIGAD	26.16	735.72	1110	860	1005
WARDHA	7.80	219.80	328	320	942
Adani	14.61	332.72	650	580	
Other CPPs	8.20	312.66			
Total	56.78	1600.90			1947
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.93	334.70	501	473	500
Trombay 6	5.60	147.34	335	152	500
Trombay 7A	2.93	81.01	125	119	120
Trombay 7B	1.61	44.20	68	66	60
Trombay 8	6.00	179.63	253	247	250
TATA Hydro	3.64	110.01	403	0	447
Total	31.71	896.90			1877
REL					
1&2	12.59	376.05	526	523	500
Total	12.59	376.05			500
Cent Sect					
Share					6130
Total					6130

MS PG CL	Thermal	114.03	3332.26			4932
	Thml+Gas	124.65	3712.96			5372
	Hydro	11.73	299.23			1258
	Total	136.38	4012.20			6630
State Total		246.22	6878.56			17084

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/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	4876	300	450	5626	503	2366	5655	5690	-779	-792	13393	112	13505	2421	15926	49.86
2	4854	140	450	5444	470	2375	5434	5405	-654	-600	13094	140	13234	2214	15448	49.90
3	4863	159	450	5472	530	2374	4816	4971	-547	-458	12889	156	13045	2076	15121	49.85
4	4837	249	450	5536	503	2361	4748	4764	-489	-364	12800	183	12983	1983	14966	49.88
5	4747	174	450	5371	504	2372	4722	4761	-463	-308	12700	230	12930	1925	14855	49.83
6	4856	134	450	5440	499	2374	5002	5013	-432	-346	12980	377	13357	1966	15323	49.94
7	4811	134	450	5395	474	2366	5181	4918	-411	-347	12806	570	13376	1966	15342	50.03
8	4786	249	450	5485	353	2288	5197	5359	-428	-445	13040	627	13667	2066	15733	49.98
9	4794	330	443	5567	325	2356	5281	5214	-607	-614	12848	720	13568	2370	15938	50.00
10	4778	603	438	5819	400	2386	5627	5699	-822	-801	13503	589	14092	2734	16826	49.95
11	4713	592	430	5735	386	2393	5945	6254	-939	-952	13816	556	14372	3016	17388	50.04
12	4696	578	438	5712	253	2411	6156	6311	-1017	-1050	13637	676	14313	3148	17461	50.00
13	4714	505	430	5649	178	2395	5949	6146	-1012	-1099	13269	795	14064	3168	17232	50.00
14	4705	474	438	5617	102	2384	5887	6339	-965	-1106	13336	715	14051	3109	17160	49.97
15	4681	708	435	5824	145	2385	5891	6167	-984	-1041	13480	571	14051	3185	17236	49.89
16	4669	784	438	5891	175	2393	6046	6498	-1034	-1013	13944	469	14413	3192	17605	49.95
17	4568	850	437	5855	318	2381	5982	6231	-1026	-1096	13689	438	14127	3144	17271	49.99
18	4759	554	440	5753	395	2369	5236	4889	-841	-1141	12265	607	12872	3017	15889	50.06
19	4581	572	440	5593	455	2342	5002	4464	-578	-1168	11692	540	12232	2845	15077	50.15
20	4614	437	442	5493	572	2366	5531	5055	-716	-806	12717	625	13342	2847	16189	49.93
21	4695	396	444	5535	416	2399	5613	5634	-794	-815	13202	439	13641	2741	16382	50.06
22	4797	552	444	5793	279	2388	5587	5605	-744	-790	13276	276	13552	2681	16233	49.99
23	4830	1021	443	6294	251	2377	5597	5180	-803	-680	13422	215	13637	2557	16194	49.90
24	4810	1232	440	6482	195	2175	5758	5396	-871	-761	13487	172	13659	2524	16183	49.87
MUs	114.03	11.73	10.62	136.38	8.68	56.78	131.84	131.96	-17.95	-18.59	315.28	10.80	326.08	62.90	388.98	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 30/Apr/2013

Position as on 6.30 Hrs of 01/May/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
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	160	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.	
Cent_Sect NTPC(K-7)	500	02/04/2013	05.06		Continued.	AOH.	
Koyna Unit 2	75	15/04/2013	07.10		Continued.	Realignment work.	01/05/2013
Cent_Sect NTPC(V-4)	210	23/04/2013	00.12		Continued.	AOH.	
FORCED OUTAGE							
Dabhol 2B	230	03/01/2013	13.29		Continued.	Gas shortage.	
Dabhol 2A	230	06/02/2013	21.32		Continued.	Gas Shortage	
Dabhol 2X	290	06/02/2013	21.32		Continued.	Gas Shortage	
Hydro GhatgharU2	125	16/04/2013	10.30		Continued.	Water seepage from turbine spiral casing foundation.	
Hydro GhatgharU1	125	16/04/2013	20.00		Continued.	While working on U-2,Water leakage observed in penstock.	
CPP Adani U-2	660	22/04/2013	13.47		Continued.	ID fan problem.	
Cent_Sect TARAPUR-4	540	23/04/2013	19.19		Continued.	Process Problem.	
Bhusawal Unit 5	500	24/04/2013	10.30		Continued.	Bunkering problem.	
Cent_Sect NTPC (K-2)	210	27/04/2013	03.07		Continued.	Boiler Tube Leakage.	
Cent_Sect Sipat-4	500	27/04/2013	21.21		Continued.	Coal Shortage.	
Uran Unit 7	108	28/04/2013	22.54		Continued.	Boiler Duct Renovation.	
CPP WPCL U-2	135	29/04/2013	00.28		Continued.	Bottom Ash Conveying Problem.	
Chandrapur Unit 2	210	29/04/2013	06.55		Continued.	Boiler Tube Leakage.	02/05/2013
Khaparkheda Unit 2	210	30/04/2013	18.08	30/04/2013	20.38	Flame failure.	
CPP JSW (J) U2	300	01/05/2013	00.02		Continued.	No buyer.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Apr/2013

Position as on 6.30 Hrs of 01/May/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Boiser	13/04/2013	10.33		Continued.	Mumbai Stengthening Work & Now Line Tarapur-Ghodbunder.(one month)
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	29/04/2013	16.54	30/04/2013	08.47	Over Voltage.
Wardha - Seoni - I	29/04/2013	17.18		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	29/04/2013	22.07	30/04/2013	10.09	Over Voltage.
Dhule - S'Sarovar- II	30/04/2013	01.37	30/04/2013	09.49	Over Voltage.
Kolhapur - Mapusa - I	30/04/2013	17.43		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	30/04/2013	18.06		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)- I	30/04/2013	20.12		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Bhadravati - IV	23/04/2013	17.51		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Khadka - Aurangabad	29/04/2013	08.55		Continued.	For diversion of 400KV BSL-A'bad line.
Newkoyna - Jaigad - I	30/04/2013	07.53	30/04/2013	10.38	Replacement of insulator string.
Khaparkheda - Chandrapur	30/04/2013	09.00	30/04/2013	14.32	Tan delta of CT.
Koradi-Khaparkheda-I	30/04/2013	10.36	30/04/2013	12.32	Oil sample collection.
Karad - Kolhapur - II	30/04/2013	11.57		Continued.	Q.M.work
400/220KV,167 MVA SPARE ICT at Deepnagar	30/04/2013	14.44	30/04/2013	17.35	to attend T/F conservetor isolator valve.
Lonikand - Parli - II	30/04/2013	16.12	30/04/2013	16.58	To take 50 MVAR reactor in service.Out since 20/07/2012.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Ghodbandar - Bhoisor (MSETCL)	13/04/2013	10.09		Continued.	Mumbai Strengthening Work.
Gorai - Borivali - II	29/04/2013	10.25		Continued.	Repl.of faulty E/S.
220/132KV 100 MVA ICT-II at Dondaicha	30/04/2013	08.15	30/04/2013	12.55	R ph.relay replacement.
Nivali-Pawas	30/04/2013	09.20	30/04/2013	18.31	Cold washing of insulator strings.
Vankuswadi-KDPH	30/04/2013	09.25	30/04/2013	17.50	Replacement of insulators.
ONGC-Panvel TSS	30/04/2013	10.35	30/04/2013	14.37	Connecting jumpers to hybrid pass and commissioning.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Amalner - Dharangaon	27/04/2013	11.05		Continued.	Reorientation Work for New 132 KV Nardane Line.
Voltage Level : 110KV			Outage Type PLANNED OUTAGE		
Kalwa-Kalyan-Salsette - I	29/04/2013	19.53		Continued.	Line side isolator work,at Salsette 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	07/02/2013	17.57		Continued.	Handtripped

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Apr/2013

Position as on 6.30 Hrs of 01/May/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
at Warora					
Bhusawal - Deepnagar - I	05/04/2013	09.26		Continued.	Over Voltage.
Karad - Kolhapur - I	29/04/2013	17.09	30/04/2013	06.33	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	12/04/2013	17.57		Continued.	To Control Over Loading of 220KV Paras-Chikhali.
Alephata-Kathapur	30/04/2013	10.45	30/04/2013	17.15	Over loading of BBLR-Alephata
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.
Warora- Tirora -II	25/04/2013	16.53		Continued.	Distance protection.
400/11.5 KV 90 MVA Station T/F -III @ Chandrapur	26/04/2013	15.38		Continued.	Differential Protection Operated OLTC Buchholz Protection Operated Buchholz Alarm.MTR Operated.
Parli-Lonikand -I	30/04/2013	02.22	30/04/2013	13.33	Over Voltage.Oil leakage from R ph.CVT.
400/220 KV 315MVA ICT-II @ Karad	30/04/2013	09.00	30/04/2013	11.41	Tripped on NDR relay.
New Koyna-Jaigad II	01/05/2013	03.00		Continued.	distance protection.
Newkoyna - Jaigad - I	01/05/2013	04.32		Continued.	distance protection.
Voltage Level : 220KV			Outage Type TRIPPED		
Usmanabad-Paranda	25/04/2013	16.36		Continued.	Distance protection.
Paranda-Barshi	25/04/2013	17.39		Continued.	Distance protection operated zone 1.
220/132 KV 200 MVA ICT @ Malinagar	27/04/2013	23.10		Continued.	Internal Fault.
220/33KV,100 MVA ICT at Sakri	30/04/2013	11.45	30/04/2013	12.00	Tripped on Mal operation.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/May/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	155
Unit 6	210	140
Unit 7	210	175
	620	470
Bhusawal		
Unit 2	210	160
Unit 3	210	160
Unit 4	500	398
Unit 5	500	
	1420	718
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	160
Unit 2	210	0
Unit 3	210	200
Unit 4	210	160
Unit 5	500	450
Unit 6	500	430
Unit 7	500	300
	2340	1700
Paras		
Unit 3	250	210
Unit 4	250	220
	500	430
Khaparkheda		
Unit 1	210	160
Unit 2	210	180
Unit 3	210	160
Unit 4	210	170
Unit 5	500	450
	1340	1120
Nasik		
Unit 3	210	195
Unit 4	210	175
Unit 5	210	195
	630	565
Uran		
All Units	852	440
	852	440
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	240
	1920	1020
Hydro		
KDPH	40	36
VTRNA	60	60

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	20
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	232
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	519
WARDHA	405	945
Adani	1320	
Other CPPs	300	
	3225	1464
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	5594
	3455	5594