



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Apr/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 29/Apr/2013 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	118.224	3218.225	1) Gujrat	14.223	353.779
2) Hydro	5.911	287.505	2) Madhya Pradesh	21.116	593.427
3) Gas	10.591	370.084	3) Chattisgarh	9.190	242.530
Total MSGENCO	134.726	3875.814	4) Maharashtra	63.032	1862.520
B) 1) JSW JAIGAD	24.848	709.555	5) Goa	-6.466	-163.769
2) WPCL	5.762	211.994	6) TAPS 1&2 Injection	3.796	87.367
3) ADANI	14.500	318.110	7) RGPPL Injection	29.121	641.190
4) Other CPP / IPP	8.166	304.465	8) Pench (Excess)	-0.309	-6.769
5) Wind Generation	11.909	295.211	# Total Cent. Sector	133.703	3610.275
6) PENCH (MS)	0.309	6.664	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-18.147	-402.497
1) TPCL Thermal	26.910	758.813	G) Bilateral Power *		
2) TPCL Hydro	4.356	106.375	1) MSEDCL Bilateral	43.615	1239.371
TOTAL TPCL	31.266	865.188	Include PX	3.235	191.681
3) REL Thermal	12.361	363.456	2) MUMBAI Bilateral	16.247	432.393
D) STATE			Include PX	8.417	111.505
1) Thermal (A1+C1+C3)	157.495	4340.494	3) MUMBAI Schedule	16.247	432.393
2) Hydro (A2+B5+C2)	10.576	400.544	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.591	370.084	1) MSEDCL	315.776	8929.591
4) Wind (B4)	11.909	295.211	2) TPCL	39.916	1065.787
5) CPP (B1+B2+B3)	53.276	1240.514	3) REL	21.856	565.270
TOTAL STATE	243.847	6646.847	TOTAL STATE	377.548	10560.648

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4994	4871	4957
MSGENCO Hydro	374	420	137
MSGENCO Gas	430	427	452
MSGENCO Total Generation	5798	5718	5546
Central Sector Receipt	6363	5917	4839
WIND	147	448	659
CPP / IPP	2300	2296	2088
Exchange with Mumbai	-845	-894	-699
MSEDCL DEMAND MET	13763	13485	12453
Load Shedding	711	389	84
MSEDCL DEMAND	14474	13874	12537
TPCL GENERATION	1700	1651	823
R-INFRA GENERATION	525	525	413
TPCL+R-INFRA DEMAND	3070	3070	1935
STATE DEMAND MET	16833	16555	14388
STATE DEMAND	17544	16944	14472
Frequency (Hz)	49.98	49.90	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.5 Hz at 08.04 Hrs	49.67 Hz at 19.42 Hrs	49.99	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 29/Apr/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.39	10.93	160	118	130
Unit 6	4.02	105.97	175	136	170
Unit 7	3.95	99.61	190	116	170
Total	11.36	216.51			470
Bhusawal					
Unit 2	3.36	98.80	165	60	150
Unit 3	3.64	109.78	165	140	150
Unit 4	8.11	224.20	430	255	349
Unit 5	0.00	65.79	0	0	
Total	15.11	498.56			649
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	3.51	73.25	155	137	150
Unit 2	0.86	89.30	129	0	130
Unit 3	4.44	126.06	206	165	200
Unit 4	4.00	126.91	184	133	180
Unit 5	10.42	226.25	450	410	450
Unit 6	10.06	284.76	445	390	440
Unit 7	8.23	221.39	384	285	400
Total	41.53	1147.92			1950
Paras					
Unit 3	5.46	151.48	253	198	210
Unit 4	5.59	155.75	250	201	220
Total	11.05	307.23			430
Khaparkheda					
Unit 1	3.62	103.24	195	110	170
Unit 2	3.91	101.56	185	137	160
Unit 3	4.25	112.96	201	157	190
Unit 4	4.36	119.48	196	171	190
Unit 5	10.03	263.16	480	340	450
Total	26.18	700.41			1160
Nasik					
Unit 3	4.40	129.36	195	175	195
Unit 4	4.16	92.85	178	170	175
Unit 5	4.43	125.38	199	173	195
Total	12.99	347.60			565
Uran					
All Units	10.59	370.08	455	425	450
Total	10.59	370.08			450
PENCH (MS)					
Pench (MS)	0.31	6.66	26	0	
Total	0.31	6.66			
Koyna					
Stage 1-2	1.94	79.05	320	40	530
Stage 4	0.03	57.34	28	0	250
Stage 3	0.26	30.10	80	0	240
Kovna 12&4 Total	1.97	136.40			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.23	166.49			1020
Hydro					
KDPH	0.86	22.76	36	35	36
VTRNA	0.90	27.52	61	0	60
TILLARI	0.36	10.18	60	0	60
BHTGR/VEER	0.04	1.34	2	1	2
BHIRA T.R.	0.14	5.39	56	0	40
RNGR+BHTSA	0.29	8.78	12	11	15
BHANDARDRA	0.59	2.95	28	19	40
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.50	24.32	21	20	0
GHATGHAR	0.00	17.78	0	0	0
Total	3.68	121.01			253
Wind					
MalharPeth	0.44	13.23			
Vankuswadi	0.73	19.16			
ATIT	0.09	5.55			
Kale	0.28	7.61			
Satara	0.22	26.00			
Shirala	0.28	9.40			
K Mahankal	1.76	18.67			
Supa	0.26	3.98			
Vita	0.83	30.83			
Dondaicha	4.51	109.88			
Sakri	0.56	14.20			
Nandurbar	0.73	11.70			
Khandke	0.68	13.48			
Khaparale	0.53	11.52			
Total	11.91	295.21			
CPP					
JSW JAIGAD	24.85	709.56	1105	942	1005
WARDHA	5.76	211.99	320	222	320
Adani	14.50	318.11	610	570	617
Other CPPs	8.17	304.46			
Total	53.28	1544.12			1942
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.17	322.77	503	286	500
Trombay 6	5.30	141.74	357	148	500
Trombay 7A	2.94	78.08	125	119	120
Trombay 7B	1.62	42.59	68	66	60
Trombay 8	5.88	173.63	253	197	250
TATA Hydro	4.36	106.38	417	0	447
Total	31.27	865.19			1877
REL					
1&2	12.36	363.46	526	413	500
Total	12.36	363.46			500
Cent Sect					
Share					6104
Total					6104

MS PG CL	Thermal	118.22	3218.22			5224
	Thml+Gas	128.82	3588.31			5674
	Hydro	5.91	287.50			1273
	Total	134.73	3875.81			6947
State Total		243.85	6646.85			17370

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/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	5009	139	452	5600	643	2291	5442	5415	-719	-695	13274	102	13376	2344	15720	50.02
2	5001	146	452	5599	648	2212	5379	5096	-536	-618	12957	89	13046	2194	15240	50.00
3	5037	142	452	5631	655	2088	5026	4918	-443	-636	12676	83	12759	2068	14827	49.97
4	4957	137	452	5546	659	2088	4965	4839	-372	-699	12453	84	12537	1935	14472	50.03
5	4961	143	452	5556	647	2096	4936	5053	-346	-578	12794	88	12882	1875	14757	49.95
6	5087	143	452	5682	652	2087	4918	5074	-319	-370	13145	170	13315	1946	15261	49.92
7	5116	144	455	5715	621	2095	5068	5181	-297	-344	13281	278	13559	1950	15509	50.14
8	5023	204	453	5680	412	2150	5134	5232	-363	-406	13068	394	13462	2017	15479	50.07
9	4986	205	445	5636	286	2278	5354	5135	-490	-554	12781	840	13621	2292	15913	50.11
10	5014	290	440	5744	259	2273	5842	5860	-665	-693	13443	688	14131	2699	16830	49.93
11	5003	403	439	5845	187	2279	6117	6362	-777	-831	13842	633	14475	2972	17447	50.01
12	4994	374	430	5798	147	2300	6206	6363	-867	-845	13763	711	14474	3070	17544	49.98
13	4920	385	430	5735	239	2294	5789	6062	-919	-910	13420	742	14162	3119	17281	50.03
14	4935	209	427	5571	328	2294	5729	5998	-954	-1016	13188	635	13823	3022	16845	50.04
15	4892	249	425	5566	364	2293	5893	6134	-981	-989	13379	486	13865	3077	16942	49.94
16	4906	470	425	5801	445	2291	5993	6269	-1017	-950	13858	425	14283	3112	17395	49.97
17	4871	420	427	5718	448	2296	5788	5917	-976	-894	13485	389	13874	3070	16944	49.90
18	4809	206	433	5448	584	2255	5315	5061	-777	-1028	12332	389	12721	2949	15670	50.04
19	4796	226	435	5457	635	2141	5291	5323	-662	-1088	12491	160	12651	2767	15418	50.02
20	4694	418	434	5546	605	2152	5350	5631	-743	-897	13061	326	13387	2791	16178	49.92
21	4790	261	444	5495	799	2180	5286	5495	-717	-775	13220	309	13529	2809	16338	49.97
22	4832	196	448	5476	616	2190	5245	5517	-703	-710	13115	214	13329	2625	15954	50.04
23	4851	186	443	5480	579	2324	5623	5827	-772	-711	13525	167	13692	2455	16147	49.85
24	4740	215	446	5401	451	2329	5613	5942	-829	-910	13226	135	13361	2616	15977	49.94
MUs	118.2 2	5.91	10.59	134.73	11.91	53.28	131.30	133.70	-16.25	-18.15	315.78	8.54	324.31	61.77	386.09	49.99

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 29/Apr/2013

Position as on 6.30 Hrs of 30/Apr/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.	30/04/2013
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 WPCL U-1	135	20/04/2013	21.59	29/04/2013	17.59	F D Fan Problem.	
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

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Apr/2013

Position as on 6.30 Hrs of 30/Apr/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-Solapur(PGCIL)-I	24/04/2013	16.24	29/04/2013	10.20	Over Voltage.
Kolhapur - Mapusa - I	27/04/2013	18.42	29/04/2013	07.57	Over Voltage.
Kolhapur - Mapusa - II	29/04/2013	16.54		Continued.	Over Voltage.
Wardha - Seoni - I	29/04/2013	17.18		Continued.	Over Voltage.
Dhule - S'Sarovar- II	29/04/2013	17.33	29/04/2013	19.15	Over Voltage.
Kolhapur-Solapur (PG) II	29/04/2013	22.07		Continued.	Over Voltage.
Dhule - S'Sarovar- II	30/04/2013	01.37		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		
New Koyna - Jaigad - II	29/04/2013	07.34	29/04/2013	18.38	Repl.of flashover insulator.
Khadka - Aurangabad	29/04/2013	08.55		Continued.	For diversion of 400KV BSL-A'bad line.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Ghodbandar - Bhoisor (MSETCL)	13/04/2013	10.09		Continued.	Mumbai Strengthening Work.
Mudshingi - Peth	27/04/2013	11.10	29/04/2013	17.16	Relay Retrofitting.
Tarapur - Ghodbundar	28/04/2013	08.21	29/04/2013	07.06	A.M.Work.
Lonikand-Theur - I	29/04/2013	00.23	29/04/2013	04.35	To Avail Bus Outage @ Theur.
Lonikand -Theur - II	29/04/2013	00.25	29/04/2013	04.37	To Avail Bus Outage @ Theur.
Lote - N.Koyna	29/04/2013	09.04	29/04/2013	15.07	CT to line insulator,R-Ph conductor Replacement.
KDPH-Wankuswadi	29/04/2013	09.50	29/04/2013	18.05	Repl.of insulator by L.R. polymer insulator.
220/132KV 200MVA ICT II At Girwali	29/04/2013	10.07	29/04/2013	12.38	Gantry beam painting work.
220/132 KV 200 MVA ICT - II @ Bhusawal	29/04/2013	10.08	29/04/2013	18.29	Monitoring of CT's and covering of Bucholz relay and PRV.
Gorai - Borivali - II	29/04/2013	10.25		Continued.	Repl.of faulty E/S.
220/132KV,200MVA ICT-III at Girwali	29/04/2013	12.42	29/04/2013	15.05	Gantry beam painting work.
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 : 220KV			Outage Type FORCED OUTAGE		
Main Bus at Theur	29/04/2013	00.25	29/04/2013	04.35	To Attend Hot Spot Between R Ph.Isolator & 220KV P.T.Bay of Main
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	02/02/2013	10.17		Continued.	Low Oil Pressure Alarm Received.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Apr/2013

Position as on 6.30 Hrs of 30/Apr/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Spare ICT Unit @ Bhusawal - II					
400/220KV 500MVA ICT-II at Warora	07/02/2013	17.57		Continued.	Handtripped
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.
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.	Diffrential Protection Operated OLTC Buchholz Protection Operated Bucholz Alarm.MTR Operated.
Lonikand-Parli-I	30/04/2013	02.22		Continued.	O/V.(R-Ph CVT oil leakage observed at Parli end.)
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.
Kharepatan-Pawas	28/04/2013	03.46	29/04/2013	20.39	Distance Protection Z-II Y-E,Declared Faulty.
Lonikand - Bhosari	29/04/2013	14.22	29/04/2013	14.33	Dist Prot,Bhosari end only.
Deepnagar-Khadka I	29/04/2013	17.13	29/04/2013	18.13	Trip Ckt faulty indication.
Voltage Level : 132KV			Outage Type TRIPPED		
Ambazari - Amravati	29/04/2013	00.33	29/04/2013	00.40	Dist Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Apr/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	120
Unit 6	210	108
Unit 7	210	120
	620	348
Bhusawal		
Unit 2	210	160
Unit 3	210	150
Unit 4	500	349
Unit 5	500	
	1420	659
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	150
Unit 2	210	0
Unit 3	210	200
Unit 4	210	180
Unit 5	500	450
Unit 6	500	400
Unit 7	500	350
	2340	1730
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
Khaparkheda		
Unit 1	210	150
Unit 2	210	180
Unit 3	210	190
Unit 4	210	190
Unit 5	500	460
	1340	1170
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	6
GHATGHAR	250	0
	611	238
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	1005
WARDHA	405	942
Adani	1320	
Other CPPs	300	
	3225	1947
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	6130
	3455	6130