



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Jun/2013

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	92.812	397.596	1) Gujrat	1.899	12.605
2) Hydro	12.336	44.740	2) Madhya Pradesh	15.753	65.543
3) Gas	8.789	30.887	3) Chattisgarh	9.880	41.510
Total MSGENCO	113.937	473.223	4) Maharashtra	65.910	264.862
B) 1) JSW JAIGAD	26.437	109.991	5) Goa	-5.475	-23.287
2) WPCL	8.496	32.221	6) TAPS 1&2 Injection	3.889	15.350
3) ADANI	15.940	58.740	7) RGPPL Injection	13.072	53.849
4) Other CPP / IPP	10.040	41.425	8) Pench (Excess)	-0.072	-0.707
5) Wind Generation	9.489	48.494	# Total Cent. Sector	104.856	429.725
6) PENCH (MS)	0.072	0.707	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-16.230	-65.932
1) TPCL Thermal	26.854	103.007	G) Bilateral Power *		
2) TPCL Hydro	5.381	16.808	1) MSEDCL Bilateral	33.440	135.319
TOTAL TPCL	32.235	119.815	Include PX	0.000	1.613
3) REL Thermal	12.038	47.726	2) MUMBAI Bilateral	17.823	69.483
D) STATE			Include PX	3.111	12.714
1) Thermal (A1+C1+C3)	131.704	548.329	3) MUMBAI Schedule	17.823	69.483
2) Hydro (A2+B5+C2)	17.789	62.255	H) ENERGY CATERED (MUs)		
3) Gas (A3)	8.789	30.887	1) MSEDCL	273.037	1128.594
4) Wind (B4)	9.489	48.494	2) TPCL	39.544	151.289
5) CPP (B1+B2+B3)	60.913	199.577	3) REL	20.956	82.176
TOTAL STATE	228.684	889.542	TOTAL STATE	333.537	1362.059

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	3865	3973	3683
MSGENCO Hydro	1391	735	133
MSGENCO Gas	305	456	314
MSGENCO Total Generation	5561	5164	4130
Central Sector Receipt	4431	4335	4085
WIND	26	370	202
CPP / IPP	2618	2584	2365
Exchange with Mumbai	-828	-827	-591
MSEDCL DEMAND MET	11808	11647	10191
Load Shedding	564	380	181
MSEDCL DEMAND	12372	12027	10372
TPCL GENERATION	1702	1681	844
R-INFRA GENERATION	524	524	391
TPCL+R-INFRA DEMAND	3054	3032	1826
STATE DEMAND MET	14862	14679	12017
STATE DEMAND	15426	15059	12198
Frequency (Hz)	49.90	50.01	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.53 Hz at 06.05 Hrs	49.59 Hz at 23.01 Hrs	49.97	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/Jun/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	6.00	0	0	0
Unit 6	2.33	9.65	111	75	100
Unit 7	2.57	9.70	125	75	130
Total	4.90	25.34			230
Bhusawal					
Unit 2	0.00	8.33	0	0	0
Unit 3	0.00	2.46	0	0	0
Unit 4	8.27	28.13	420	245	430
Unit 5	0.00	9.31	0	0	0
Total	8.27	48.24			430
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	3.70	14.74	158	148	160
Unit 2	3.78	15.09	164	150	160
Unit 3	4.38	17.88	196	132	200
Unit 4	3.85	15.32	172	130	150
Unit 5	8.66	37.33	415	280	370
Unit 6	9.44	38.45	445	345	370
Unit 7	7.97	35.24	371	295	370
Total	41.78	174.06			1780
Paras					
Unit 3	4.95	21.30	227	190	200
Unit 4	4.88	21.36	239	178	200
Total	9.83	42.67			400
Khaparkheda					
Unit 1	2.34	10.34	120	60	100
Unit 2	2.78	12.69	150	90	120
Unit 3	3.98	14.81	199	130	160
Unit 4	0.00	1.62	0	0	0
Unit 5	6.10	25.27	280	210	275
Total	15.20	64.74			655
Nasik					
Unit 3	4.34	17.18	200	165	190
Unit 4	4.12	16.42	179	163	180
Unit 5	4.37	8.96	198	165	190
Total	12.83	42.56			560
Uran					
All Units	8.79	30.89	473	303	320
Total	8.79	30.89			320
PENCH (MS)					
Pench (MS)	0.07	0.71	23	0	
Total	0.07	0.71			
Koyna					
Stage 1-2	3.24	11.93	480	40	520
Stage 4	3.36	11.20	519	0	250
Stage 3	1.37	5.18	238	0	240
Kovna 12&4 Total	6.60	23.13			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	7.96	28.31			1010
Hydro					
KDPH	0.36	1.46	16	15	18
VTRNA	0.94	2.78	61	0	60
TILLARI	0.45	1.47	60	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.26	0.88	81	0	80
RNGR+BHTSA		0.74	11	10	10
BHANDARDRA	0.13	0.73	6	5	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.29	1.37	13	12	0
GHATGHAR	1.94	6.99	250	0	0
Total	4.37	16.43			228
Wind					
MalharPeth	0.30	1.33			
Vankuswadi	0.52	2.51			
ATIT	0.08	0.34			
Kale	0.27	1.06			
Satara	2.03	9.75			
Shirala	0.26	1.08			
K Mahankal	0.03	0.18			
Supa	0.07	0.31			
Vita	1.04	5.28			
Dondaicha	3.63	19.41			
Sakri	0.44	2.51			
Nandurbar	0.40	2.05			
Khandke	0.14	0.96			
Khaparale	0.28	1.71			
Total	9.49	48.49			
CPP					
JSW JAIGAD	26.44	109.99	1165	1033	1100
WARDHA	8.50	32.22	359	348	365
Adani	15.94	58.74	990	600	617
Other CPPs	10.04	41.42			184
Total	60.91	242.38			2266
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.17	44.18	503	315	500
Trombay 6	5.28	16.91	391	148	500
Trombay 7A	2.94	11.55	125	119	120
Trombay 7B	1.61	6.40	68	66	60
Trombay 8	5.86	23.97	253	186	250
TATA Hydro	5.38	16.81	471	0	447
Total	32.24	119.82			1877
REL					
1&2	12.04	47.73	526	388	500
Total	12.04	47.73			500
Cent Sect					
Share					4698
Total					4698

MS PG CL	Thermal	92.81	397.60			4055
	Thml+Gas	101.60	428.48			4375
	Hydro	12.34	44.74			1238
	Total	113.94	473.22			5613
State Total		228.68	889.54			14954

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/Jun/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	3952	143	316	4411	1021	2746	4190	3936	-772	-612	11502	96	11598	2235	13833	50.00
2	3882	83	317	4282	923	2731	4101	3705	-673	-558	11083	107	11190	2115	13305	50.03
3	3820	88	317	4225	596	2767	4026	3827	-598	-627	10788	109	10897	1995	12892	49.99
4	3708	88	316	4112	245	2653	3986	4094	-558	-682	10422	146	10568	1913	12481	50.06
5	3683	133	314	4130	202	2365	3986	4085	-558	-591	10191	181	10372	1826	12198	49.97
6	3767	138	319	4224	228	2368	3986	4020	-558	-409	10431	290	10721	1867	12588	50.02
7	3775	83	318	4176	108	2364	3988	3938	-559	-320	10266	621	10887	1861	12748	50.19
8	3832	183	319	4334	43	2470	3989	4082	-559	-416	10513	622	11135	1976	13111	49.98
9	3708	313	317	4338	37	2476	4163	4354	-698	-599	10606	594	11200	2323	13523	49.95
10	3813	1141	309	5263	36	2544	4389	4591	-825	-765	11669	437	12106	2671	14777	49.94
11	3820	1404	308	5532	26	2585	4468	4339	-890	-802	11680	452	12132	2961	15093	49.81
12	3865	1391	305	5561	26	2618	4488	4431	-926	-828	11808	564	12372	3054	15426	49.90
13	3914	1225	304	5443	26	2539	4540	5066	-945	-870	12204	689	12893	3068	15961	49.87
14	4026	979	303	5308	68	2593	4487	4477	-883	-761	11685	594	12279	3018	15297	49.93
15	4039	1331	318	5688	107	2546	4508	4704	-908	-841	12211	443	12654	3070	15724	49.85
16	3996	1583	376	5955	198	2573	4473	4490	-930	-755	12484	390	12874	3074	15948	49.95
17	3973	735	456	5164	370	2584	4395	4335	-900	-827	11647	380	12027	3032	15059	50.01
18	3910	224	460	4594	444	2493	3947	4409	-641	-875	11076	524	11600	2905	14505	50.09
19	3891	223	459	4573	702	2418	3853	4037	-607	-947	10783	365	11148	2803	13951	49.99
20	3902	279	467	4648	791	2501	4250	4359	-631	-817	11492	340	11832	2787	14619	50.00
21	3885	218	472	4575	767	2531	4677	4820	-773	-546	12147	220	12367	2573	14940	49.98
22	3899	150	473	4522	826	2482	4679	4876	-758	-556	12150	152	12302	2498	14800	50.04
23	3889	271	462	4622	842	2478	4664	4959	-794	-598	12303	116	12419	2467	14886	49.84
24	3863	182	464	4509	857	2488	4750	4922	-881	-628	12148	91	12239	2411	14650	49.89
MUs	92.81	12.59	8.79	114.19	9.49	60.91	102.98	104.86	-17.82	-16.23	273.29	8.52	281.81	60.50	342.32	49.97

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/Jun/2013

Position as on 6.30 Hrs of 05/Jun/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.	
Uran Unit 8	108	07/05/2013	00.15		Continued.	Turbine Blade & Mixing Chamber Work	
Cent_Sect NTPC (V-1)	210	17/05/2013	00.15		Continued.	Annual Overhaul	05/06/2013
Khaparkheda Unit 4	210	01/06/2013	12.31		Continued.	Annual Overhaul	26/06/2013
FORCED OUTAGE							
Dabhol 2B	230	03/01/2013	13.29		Continued.	Gas shortage.	
CPP Adani U-2	660	22/04/2013	13.47		Continued.	ID fan problem.	
Dabhol 1A	230	23/05/2013	12.58		Continued.	Gas Shortage	
Koyna Unit 8	80	23/05/2013	15.30		Continued.	Bearing temp.high.	12/06/2013
Dabhol 3B	230	28/05/2013	21.58		Continued.	Gas shortage.	
Dabhol 1X	290	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Uran Unit 6	108	30/05/2013	22.26	04/06/2013	14.18	Gas Shortage	
Bhusawal Unit 3	210	01/06/2013	21.13		Continued.	ID Fan Problem	
Bhusawal Unit 5	500	01/06/2013	23.05		Continued.	Drum Level Prot.Operated	
Koradi Unit 5	200	03/06/2013	06.44		Continued.	Vaccum Prot.operated	
Bhusawal Unit 2	210	03/06/2013	14.34		Continued.	ID Fan replacement	
CPP INDIABULLS	270	03/06/2013	23.41	04/06/2013	01.36	Condenser Vaccum Low	
CPP INDIABULLS	270	04/06/2013	02.58		Continued.	Problem in HP Bypass Valve	
CPP Adani U-3	660	04/06/2013	04.11		Continued.	Boiler Tube Leakage	
Koyna Unit 11	80	04/06/2013	13.25		Continued.	Rotar Fault.	

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

Position as on 6.30 Hrs of 05/Jun/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur (PG) II	31/05/2013	17.52		Continued.	Over Voltage
Kolhapur-Mapusa-II	02/06/2013	16.07	04/06/2013	09.30	Over Voltage
Parli (PGCIL)-Bhadravati-II	02/06/2013	19.24		Continued.	Over Voltage
765 KV Wardha - Seoni - I	02/06/2013	20.11		Continued.	Over Voltage
Kolhapur - Mapusa - II	04/06/2013	17.09		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-S'Sarovar I	02/06/2013	18.01		Continued.	Over Voltage
Dhule-Khandwa-I	05/06/2013	04.00		Continued.	Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC Pole I Padgha	03/06/2013	18.40	04/06/2013	00.35	Work at Padgha end
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 315 MVA ICT-I @ Nagothane	04/06/2013	08.38	04/06/2013	12.59	Pre Mansoon Maint.
400/200 KV 500 MVA ICT - II Tie Bay @ Deepnagar	04/06/2013	14.00	04/06/2013	15.54	Tan Delta & Oil Sampling.
TBC at 400KV Aurangabad	04/06/2013	14.35	04/06/2013	16.15	Isolator Hot Spot Attending Work.
440/220 KV 500 MVA ICT-II Main Bay @ Deepnagar	04/06/2013	16.00	04/06/2013	17.36	Tan Delta & Oil Sampling.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Main CB of 220/100kV 200 MVA ICTIII @ Padgha	22/05/2013	10.46		Continued.	Repl.of A bus,B bus isolator under JICA scheme.ICT on TBC.Outage for 10days.
220/33 KV 100 MVA T/F - I at Aarey	04/06/2013	07.00	04/06/2013	09.13	P.M.Work.
Uran-Kharghar-II	04/06/2013	08.11	04/06/2013	17.46	L A Replacement.
Kalwa - Salshet - IV	04/06/2013	08.15	04/06/2013	12.48	Taken on TBC.
Bus Section III & IV @ Kandalgaon	04/06/2013	08.41	04/06/2013	11.45	To Remove Jumper.
220/132KV,200MVA T/F-I at Lonand	04/06/2013	09.32	04/06/2013	17.30	Pre Mansoon Maint.Work.
220 KV Main Bus @ Jindal	04/06/2013	10.30	04/06/2013	17.34	R.M.Work.
Miraj - Kadegaon	04/06/2013	10.45	04/06/2013	17.12	Q.M.Work.
Chalisgaon - Malegaon	04/06/2013	11.59	04/06/2013	15.46	Attend Flashover in Insulator String.
220/132 KV ICT -I @ Kanhan	04/06/2013	12.27	04/06/2013	15.02	Main Bucholz Alarm Recievec & Heavy Oil Leakage From Aluminium Explosive Bend of ICT.
220/100 KV 200 MVA ICT - IV @ Apta	04/06/2013	13.47	04/06/2013	15.47	Oil Leakage.
220/100KV 200MVA ICT-II at Kalwa	04/06/2013	14.58	04/06/2013	15.30	Remove Bird Nest.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV 500 MVA ICT-II at Lamboti	30/05/2013	01.27		Continued.	To attend buchholz relay problem.
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

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

Position as on 6.30 Hrs of 05/Jun/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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.	Hand Tripped.
Bhusawal- Aurangabad	01/06/2013	09.03		Continued.	Over Voltage
Khadka - Deepnagar - II	02/06/2013	10.49		Continued.	Over Voltage
Karad - Kolhapur - II	03/06/2013	16.40		Continued.	Over Voltage
Karad - Kolhapur - I	04/06/2013	01.58	04/06/2013	08.49	Over Voltage
Warora-Tiroda-I	04/06/2013	03.54		Continued.	Hand Tripped
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	27/05/2013	17.23		Continued.	To avoid over loading by taking line in grid.
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.
Padgha - Nagothane - I	03/06/2013	15.36	04/06/2013	08.49	Distance Protection
400/220KV 500 MVA ICT I at Lonikand Ph.II	04/06/2013	16.18	04/06/2013	17.11	NDR.
400/220KV 500MVA ICT-II at Lonikand-II	04/06/2013	16.18	04/06/2013	17.07	NDR.
Voltage Level : 220KV			Outage Type TRIPPED		
Usmanabad-Paranda	25/04/2013	16.36		Continued.	Distance protection(4 Nos of Tower Collapsed)
Paranda-Barshi	25/04/2013	17.39		Continued.	Distance protection(Ckt Under Breakdown)
BBLSR-Waluj	02/06/2013	22.10		Continued.	Distance protection
Kandalgaon-Bhira	03/06/2013	15.30	04/06/2013	14.45	LA Burst at Bhira
Voltage Level : 132KV			Outage Type TRIPPED		
132/11KV 16 MVA T/F @ Deepnagar	04/06/2013	01.34		Continued.	Bursting of H V Y Ph. Bushing.
Khadka-Malkapur	04/06/2013	02.45	04/06/2013	03.54	Distance Protection Operated Z-I R Ph.
Kurkum - Janai	04/06/2013	16.28	04/06/2013	17.23	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/Jun/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	120
Unit 7	210	120
	620	240
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	259
Unit 5	500	
	1420	259
Parli		
Unit 3	210	
Unit 4	210	
Unit 5	210	
Unit 6	250	
Unit 7	250	
	1130	
Chandrapur		
Unit 1	210	155
Unit 2	210	160
Unit 3	210	200
Unit 4	210	160
Unit 5	500	400
Unit 6	500	380
Unit 7	500	400
	2340	1855
Paras		
Unit 3	250	240
Unit 4	250	240
	500	480
Khaparkheda		
Unit 1	210	130
Unit 2	210	150
Unit 3	210	150
Unit 4	210	0
Unit 5	500	300
	1340	730
Nasik		
Unit 3	210	190
Unit 4	210	185
Unit 5	210	190
	630	565
Uran		
All Units	852	450
	852	450
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	160
	1920	930
Hydro		
KDPH	40	18
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	
BHIRA T.R.	80	80
RNGR+BHTSA	20	
BHANDARDRA	45	
ELDARY	23	
SMLHY PTN	12	16
GHATGHAR	250	
	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	1100
WARDHA	405	355
Adani	1320	617
Other CPPs	300	185
	3225	2257
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	4738
	3455	4738