



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/Apr/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 01/Apr/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	130.997	130.997	1) Gujrat	7.196	7.196
2) Hydro	20.652	20.652	2) Madhya Pradesh	21.832	21.832
3) Gas	7.229	7.229	3) Chattisgarh	9.400	9.400
Total MSGENCO	158.878	158.878	4) Maharashtra Net	89.181	89.181
B) 1) JSW JAIGAD	8.501	8.501	(Incl. 765kV Solapur-Raichur)	-0.977	-0.977
2) WPCL	2.166	2.166	5) Goa	-6.243	-6.243
3) ADANI	35.323	35.323	6) TAPS 1&2 Injection	7.479	7.479
4) Other CPP / IPP	22.817	22.817	7) RGPPL Injection	0.000	0.000
5) Wind Generation	8.778	8.778	8) Pench (Excess)	-0.159	-0.159
6) PENCH (MS)	0.159	0.159	# Total Cent. Sector	128.686	128.686
7) SOLAR	1.198	1.198	F) Other Exchanges		
C) 1) TPCL Thermal	15.185	15.185	1) With TPCL (Excess)	-25.946	-25.946
2) TPCL Hydro	4.590	4.590	G) Bilateral Power *		
TOTAL TPCL	19.775	19.775	1) MSEDCL Bilateral	12.176	12.176
3) REL Thermal	12.046	12.046	Include PX	0.000	0.000
D) STATE			2) MUMBAI Bilateral	25.370	25.370
1) Thermal (A1+C1+C3)	158.228	158.228	Include PX	5.577	5.577
2) Hydro (A2+B6+C2)	25.401	25.401	3) MUMBAI Schedule	25.370	25.370
3) Gas (A3)	7.229	7.229	H) ENERGY CATERED (MUs)		
4) Wind (B5)	8.778	8.778	1) MSEDCL	340.560	340.560
5) CPP/IPP (B1+B2+B3+B4)	68.807	68.807	2) TPCL	36.924	36.924
6) SOLAR (B7)	1.198	1.198	3) REL	20.843	20.843
TOTAL STATE	269.641	269.641	TOTAL STATE	398.327	398.327

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	5837	5459	5272
MSGENCO Hydro	1772	1633	298
MSGENCO Gas	310	305	310
MSGENCO Total Generation	7919	7397	5880
Central Sector Receipt	5407	5582	4990
WIND	63	368	483
CPP / IPP	3132	2794	2814
SOLAR	160	57	0
Exchange with Mumbai	-1257	-1317	-795
MSEDCL DEMAND MET	15424	14881	13372
Load Shedding	898	556	19
MSEDCL DEMAND	16322	15437	13391
TPCL GENERATION	1154	1016	498
R-INFRA GENERATION	523	523	399
TPCL+R-INFRA DEMAND	2934	2856	1692
STATE DEMAND MET	18358	17737	15064
STATE DEMAND	19256	18293	15083
Frequency (Hz)	49.89	49.95	49.86

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.21 Hz at 17.54 Hrs	49.65 Hz at 05.45 Hrs	49.93	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 01/Apr/2014

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	3.41	3.41	158	127	150
Unit 7	3.60	3.60	168	135	145
Total	7.00	7.00			295
Bhusawal					
Unit 2	3.04	3.04	140	90	135
Unit 3	1.94	1.94	145	0	0
Unit 4	9.22	9.22	505	300	360
Unit 5	7.62	7.62	420	270	310
Total	21.82	21.82			805
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.35	3.35	158	135	135
Unit 5	0.00	0.00	0	0	0
Unit 6	4.06	4.06	174	164	170
Unit 7	3.94	3.94	175	160	172
Total	11.35	11.35			477
Chandrapur					
Unit 1	3.50	3.50	151	143	150
Unit 2	2.27	2.27	170	0	0
Unit 3	2.55	2.55	182	0	190
Unit 4	4.75	4.75	210	166	210
Unit 5	10.53	10.53	470	370	450
Unit 6	10.14	10.14	450	360	450
Unit 7	10.06	10.06	465	349	430
Total	43.79	43.79			1880
Paras					
Unit 3	4.85	4.85	211	183	250
Unit 4	5.05	5.05	235	191	250
Total	9.90	9.90			500
Khaparkheda					
Unit 1	4.28	4.28	190	165	180
Unit 2	4.20	4.20	190	155	180
Unit 3	0.80	0.80	183	0	0
Unit 4	4.77	4.77	211	173	210
Unit 5	10.07	10.07	490	365	500
Total	24.12	24.12			1070
Nasik					
Unit 3	4.12	4.12	185	160	180
Unit 4	4.48	4.48	195	178	190
Unit 5	4.41	4.41	193	174	190
Total	13.00	13.00			560
Uran					
All Units	7.23	7.23	315	272	250
Total	7.23	7.23			250
PENCH (MS)					
Pench (MS)	0.16	0.16	40	0	
Total	0.16	0.16			
Koyna					
Stage 1-2	4.79	4.79	550	40	600
Stage 4	6.79	6.79	1060	0	250
Stage 3	2.89	2.89	268	0	320
Kovna 12&4 Total	11.58	11.58			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	14.47	14.47			1170
Hydro					
KDPH	0.56	0.56	36	17	34
VTRNA	1.32	1.32	61	0	61
TILLARI	0.40	0.40	64	0	63
BHTGR/VEER	0.07	0.07	3	3	2
BHIRA T.R.	0.15	0.15	42	0	40
RNGR+BHTSA	0.35	0.35	15	14	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.36	0.36	15	14	0
SMLHY PTN	1.22	1.22	51	51	15
GHATGHAR	1.75	1.75	250	0	0
Total	6.18	6.18			230
Wind					
MalharPeth	0.33	0.33			
Vankuswadi	0.47	0.47			
ATIT	0.07	0.07			
Kale	0.22	0.22			
Satara	1.94	1.94			
Shirala	0.22	0.22			
K Mahankal	0.03	0.03			
Supa	0.09	0.09			
Vita	0.95	0.95			
Dondaicha	2.96	2.96			
Sakri	0.40	0.40			
Nandurbar	0.35	0.35			
Khandke	0.23	0.23			
Khaparale	0.51	0.51			
Total	8.78	8.78			
CPP					
JSW JAIGAD	8.50	8.50	506	320	285
WARDHA	2.17	2.17	121	65	0
Adani	35.32	35.32	1637	1271	1234
Other CPPs	22.82	22.82			832
Total	68.81	68.81			2351
SOLAR					
Total	1.20	1.20			
Total	1.20	1.20			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.84	10.84	503	316	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.75	2.75	115	114	120
Trombay 7B	1.59	1.59	67	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.59	4.59	471	0	447
Total	19.78	19.78			1127
REL					
1&2	12.05	12.05	524	397	500
Total	12.05	12.05			500
Cent Sect					
Share					5651
Total					5651
MS PG CL	Thermal	131.00	131.00		5587
	Thml+Gas	138.23	138.23		5837
	Hydro	20.65	20.65		1400
	Total	158.88	158.88		7237
State Total		269.64	269.64		16866

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/Apr/2014

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	5549	234	278	6061	599	2744	0	5545	4984	-1076	-1079	13309	8	13317	2101	15418	49.92
2	5361	229	272	5862	534	2820	0	5346	5238	-942	-964	13490	19	13509	1899	15408	49.90
3	5268	294	272	5834	575	2813	0	5109	5055	-828	-892	13385	19	13404	1785	15189	49.84
4	5214	223	279	5716	544	2815	0	4909	5359	-733	-811	13623	19	13642	1706	15348	49.92
5	5272	298	310	5880	483	2814	0	4777	4990	-678	-795	13372	19	13391	1692	15083	49.86
6	5319	467	300	6086	511	2923	0	4904	5066	-691	-730	13856	116	13972	1758	15730	49.87
7	5383	453	308	6144	415	2958	1	4959	4959	-703	-784	13716	402	14118	1901	16019	49.87
8	5485	484	308	6277	290	2911	24	5047	5083	-723	-782	13816	861	14677	2013	16690	49.99
9	5572	935	303	6810	175	2817	78	5070	5148	-861	-953	14075	846	14921	2260	17181	49.92
10	5749	1657	300	7706	68	3029	121	5113	5158	-985	-1101	14981	660	15641	2588	18229	49.86
11	5798	1910	296	8004	58	3095	145	5315	5217	-1180	-1244	15275	705	15980	2872	18852	49.89
12	5837	1772	310	7919	63	3132	160	5503	5407	-1231	-1257	15424	898	16322	2934	19256	49.89
13	5648	1478	298	7424	117	2902	172	5654	5737	-1230	-1250	15102	991	16093	2921	19014	49.97
14	5577	1530	298	7405	175	2801	159	5579	6096	-1155	-1269	15367	917	16284	2860	19144	50.01
15	5547	1985	297	7829	240	2698	138	5626	6008	-1241	-1298	15615	648	16263	2882	19145	49.93
16	5426	2150	303	7879	330	2820	116	5691	5984	-1346	-1339	15790	546	16336	2882	19218	49.94
17	5459	1633	305	7397	368	2794	57	5553	5582	-1257	-1317	14881	556	15437	2856	18293	49.95
18	5403	361	308	6072	419	2849	26	5256	5501	-1219	-1357	13510	295	13805	2773	16578	50.02
19	5356	309	310	5975	492	2588	1	5089	5140	-1204	-1246	12977	23	13000	2665	15665	49.99
20	5412	702	314	6428	515	2822	0	5366	5459	-1266	-1137	14127	21	14148	2723	16871	49.92
21	5400	559	315	6274	542	2832	0	5376	5309	-1250	-1134	13836	14	13850	2612	16462	49.92
22	5319	303	315	5937	433	2886	0	5266	5295	-1213	-1127	13454	7	13461	2454	15915	49.93
23	5310	281	315	5906	387	2958	0	5344	5597	-1198	-1064	13797	7	13804	2362	16166	49.90
24	5333	405	315	6053	445	2986	0	5406	5314	-1160	-1016	13782	10	13792	2268	16060	49.99
MUs	131.00	20.65	7.23	158.88	8.78	68.81	1.20	126.80	128.69	-25.37	-25.95	340.56	8.61	349.17	57.77	406.93	49.93

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 01/Apr/2014

Position as on 6.30 Hrs of 02/Apr/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Bhusawal Unit 3	210	29/03/2014	22.25	01/04/2014	08.43	CD Path Fine Gas Duct Internal Inspection.	
Khaparkheda Unit 3	210	01/04/2014	05.14		Continued.	A.O.H.	
FORCED OUTAGE							
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Tata Trombay 6	500	19/07/2013	23.54		Continued.	Economic shut down.	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
CPP VIPL	300	02/10/2013	00.45	01/04/2014	12.49	Turbine bearing vibration high.	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Uran Unit 8	108	03/01/2014	14.06	01/04/2014	12.07	Gas Shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
CPP WPCL U-1	135	30/01/2014	12.45		Continued.	turbine vibration	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
Koradi Unit 5	200	23/02/2014	04.04		Continued.	ID Fan Problem.	
CPP JSW (J) U2	300	28/02/2014	17.52		Continued.	No Schedule.	
CPP JSW (J) U1	300	12/03/2014	12:00	01/04/2014	21.23	Condensor Tube Leakage.	
Uran Unit 6	108	16/03/2014	08.03		Continued.	gas shortage	
CPP Adani U-2	660	20/03/2014	11.32		Continued.	BTL.	
Parli Unit 5	210	25/03/2014	12.18		Continued.	Stator Earth Fault	
Chandrapur Unit 2	210	01/04/2014	05.18	01/04/2014	14.33	Excitation Problem.	
Uran Unit 8	108	01/04/2014	12.42		Continued.	Gas Shortage	
Chandrapur Unit 3	210	01/04/2014	14.47		Continued.	BLR T/L.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/Apr/2014

Position as on 6.30 Hrs of 02/Apr/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kolhapur - Mapusa - II	01/04/2014	07.12		Continued.	Disc insulator replacement at Mapusa end.RFC 17.26 Hrs.
Voltage Level : 500KV			Outage Type HAND TRIPPED		
765KV Akola II - Tiroda - I	23/03/2014	17.18		Continued.	Hand Tripped.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	31/03/2014	07.21	01/04/2014	07.02	Maint.work.(Rfc at 19.48 Hrs.)
A'bad-Talegaon PG-1	31/03/2014	16.03	01/04/2014	08.41	IPS tube burnt Y-Ph,C-Bus.
Dhule-Sar'Sarovar - I	02/04/2014	01.59		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Lamboti - Solapur (PGCIL)	02/04/2014	02.06	02/04/2014	04.28	Y-Ph CT Burst.
Voltage Level : 220KV			Outage Type TRIPPED		
Borivali -Tarapur	01/04/2014	06.12	01/04/2014	16.30	Dist.Prot.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 167 MVA Spare ICT @ Deepnagar	29/03/2014	11.05		Continued.	SFRA, Tan Delta.
400/132KV 200 MVA ICT-II @ Bhusawal	01/04/2014	09.40	01/04/2014	14.54	Y & B Ph LV side work of CT Repl.
400/220 KV315 MVA ICT-I @ BBLR	01/04/2014	17.55	01/04/2014	20.18	Oil leakage.
400/220 KV 315 MVA ICT-I @ Parly.	01/04/2014	18.09	01/04/2014	21.33	Hot spot on B-Ph LV bushing.
400/15.75 KV 250 MVA GT III At Chandrapur	01/04/2014	19.40		Continued.	Exitation T/F Preventive maint.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Uran - HOCL	29/03/2014	11.31		Continued.	Tan Delta Testing.
Uran - JNPT	31/03/2014	09.48		Continued.	Repl of CB under Jica.
220/132 KV 150 MVA ICT-II @ Nasik	01/04/2014	09.03	01/04/2014	18.18	Tan delta,CRM,SFRA.
Uran - HOCL	01/04/2014	10.03	01/04/2014	12.15	Heavy air leakage on CB.
Mumewadi - Halkarni - II	01/04/2014	10.34	01/04/2014	18.52	Repl/strengthening of 220KV tower.
Halkarni -Tillary	01/04/2014	10.46	01/04/2014	18.40	Repl/strengthening of 220KV tower.
Apta-Uran-II	01/04/2014	10.47	01/04/2014	17.22	Hot Spot.
Umred - Virangana	01/04/2014	16.59	01/04/2014	19.03	Tree cutting.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Jaigad I	31/03/2014	16.04	01/04/2014	06.55	Over Voltage.
Karad - Kolhapur - II	31/03/2014	16.08	01/04/2014	06.50	Over Voltage.
Bhusawal- Aurangabad	31/03/2014	17.58	01/04/2014	06.39	Over Voltage.
Karad-Jaigad I	01/04/2014	16.08		Continued.	Over Voltage.
Karad - Kolhapur - II	01/04/2014	16.12		Continued.	Over Voltage.
Bhusawal- Aurangabad	01/04/2014	17.56		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
220/132 KV 150 MVA T/F-I @ Boiser	30/03/2014	17.35	01/04/2014	20.46	Oil leakage.
Chikhali - Jalna - I	31/03/2014	17.50		Continued.	Jalna S/S load on 400KV A'bad S/S.
Chikhali - Jalna - II	31/03/2014	17.50		Continued.	Jalna S/S load on 400KV A'bad S/S.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 01/Apr/2014

Position as on 6.30 Hrs of 02/Apr/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Chinchwad-Parvati	01/04/2014	12.00	01/04/2014	17.29	To control L/L of Chcwd-Urse.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	18/03/2014	13.15		Continued.	Distance Protection(RFC 17.35Hrs)
Voltage Level : 220KV			Outage Type TRIPPED		
Khaparkheda-Kawlewada-I	01/04/2014	18.17		Continued.	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 02/Apr/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	132
Unit 7	210	151
	620	283
Bhusawal		
Unit 2	210	130
Unit 3	210	145
Unit 4	500	360
Unit 5	500	320
	1420	955
Parli		
Unit 3	210	0
Unit 4	210	143
Unit 5	210	0
Unit 6	250	165
Unit 7	250	160
	1130	468
Chandrapur		
Unit 1	210	150
Unit 2	210	165
Unit 3	210	0
Unit 4	210	210
Unit 5	500	450
Unit 6	500	450
Unit 7	500	440
	2340	1865
Paras		
Unit 3	250	220
Unit 4	250	230
	500	450
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	0
Unit 4	210	210
Unit 5	500	500
	1340	1070
Nasik		
Unit 3	210	180
Unit 4	210	190
Unit 5	210	190
	630	560
Uran		
All Units	852	315
	852	315
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	34
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	63
BHTGR/VEER	21	2
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	15
GHATGHAR	250	0
	611	230
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	550
WARDHA	405	90
Adani	1980	1110
Other CPPs	300	673
	3885	2423
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1127
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5533
	3455	5533