



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Apr/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Apr/2014 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	133.719	3797.424	1) Gujrat	14.862	190.973
2) Hydro	14.011	735.331	2) Madhya Pradesh	20.906	713.030
3) Gas	10.587	276.671	3) Chattisgarh	8.980	311.440
Total MSGENCO	158.317	4809.426	4) Maharashtra Net	93.149	2688.835
B) 1) JSW JAIGAD	18.157	430.757	(Incl. 765kV Solapur-Raichur)	-0.392	-33.308
2) WPCL	0.000	4.347	5) Goa	-7.530	-196.242
3) ADANI	35.884	1065.337	6) TAPS 1&2 Injection	7.359	220.238
4) Other CPP / IPP	19.333	662.711	7) RGPPL Injection	0.000	0.000
5) Wind Generation	10.266	230.014	8) Pench (Excess)	-0.161	-4.682
6) PENCH (MS)	0.161	5.049	# Total Cent. Sector	137.565	3923.592
7) SOLAR	0.975	30.468	F) Other Exchanges		
C) 1) TPCL Thermal	19.766	551.794	1) With TPCL (Excess)	-26.465	-713.046
2) TPCL Hydro	5.541	121.381	G) Bilateral Power *		
TOTAL TPCL	25.307	673.175	1) MSEDCL Bilateral	28.347	532.800
3) REL Thermal	12.459	372.687	Include PX	10.299	40.212
D) STATE			2) MUMBAI Bilateral	27.685	755.194
1) Thermal (A1+C1+C3)	165.944	4721.905	Include PX	1.387	116.436
2) Hydro (A2+B6+C2)	19.713	861.761	3) MUMBAI Schedule	27.685	755.194
3) Gas (A3)	10.587	276.671	H) ENERGY CATERED (MUs)		
4) Wind (B5)	10.266	230.014	1) MSEDCL	354.193	10448.655
5) CPP/IPP (B1+B2+B3+B4)	73.374	1133.699	2) TPCL	41.220	1123.571
6) SOLAR (B7)	0.975	30.468	3) REL	23.010	635.392
TOTAL STATE	280.859	7254.518	TOTAL STATE	418.423	12207.618

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 6 Hrs
MSGENCO Thermal	5569	5902	5645
MSGENCO Hydro	1050	906	229
MSGENCO Gas	430	427	450
MSGENCO Total Generation	7049	7235	6324
Central Sector Receipt	6193	6418	5167
WIND	178	462	399
CPP / IPP	3442	2879	3141
SOLAR	135	118	0
Exchange with Mumbai	-1322	-1276	-685
MSEDCL DEMAND MET	15675	15836	14346
Load Shedding	828	681	175
MSEDCL DEMAND	16503	16517	14521
TPCL GENERATION	1353	1353	812
R-INFRA GENERATION	518	519	520
TPCL+R-INFRA DEMAND	3193	3148	2017
STATE DEMAND MET	18868	18984	16363
STATE DEMAND	19696	19665	16538
Frequency (Hz)	49.96	49.73	49.81

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.18 Hz at 08.01 Hrs	49.56 Hz at 20.56 Hrs	49.92	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/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.40	0	0	0
Unit 6	3.41	87.36	153	114	150
Unit 7	3.62	102.02	168	130	155
Total	7.03	189.79			305
Bhusawal					
Unit 2	3.08	71.05	145	115	140
Unit 3	3.44	93.43	150	130	150
Unit 4	9.22	252.11	500	340	375
Unit 5	7.88	181.14	395	280	280
Total	23.62	597.72			945
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	94.36	0	0	0
Unit 5	3.90	69.50	172	146	158
Unit 6	4.70	139.28	250	153	187
Unit 7	4.64	137.16	234	169	187
Total	13.24	440.30			532
Chandrapur					
Unit 1	3.26	89.09	140	128	150
Unit 2	3.91	110.31	167	156	170
Unit 3	3.66	108.22	185	103	180
Unit 4	3.95	115.46	205	115	210
Unit 5	9.97	308.46	450	330	425
Unit 6	9.54	286.26	430	358	425
Unit 7	8.63	276.28	395	277	400
Total	42.92	1294.07			1960
Paras					
Unit 3	5.40	132.33	247	200	250
Unit 4	5.57	133.16	255	200	250
Total	10.97	265.50			500
Khaparkheda					
Unit 1	3.80	113.88	180	135	180
Unit 2	3.72	108.71	175	130	180
Unit 3	0.00	0.80	0	0	0
Unit 4	5.04	138.54	210	210	210
Unit 5	10.13	280.90	500	380	400
Total	22.69	642.84			970
Nasik					
Unit 3	4.54	111.80	195	175	190
Unit 4	4.22	122.43	196	68	190
Unit 5	4.48	132.98	196	162	190
Total	13.24	367.20			570
Uran					
All Units	10.59	276.67	454	427	460
Total	10.59	276.67			460
PENCH (MS)					
Pench (MS)	0.16	5.05	27	0	
Total	0.16	5.05			
Koyna					
Stage 1-2	3.48	166.39	465	40	600
Stage 4	3.30	321.72	457	0	250
Stage 3	1.24	106.38	140	0	320
Kovna 12&4 Total	6.78	488.11			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	8.02	594.49			1170
Hydro					
KDPH	0.51	13.86	29	15	18
VTRNA	1.46	36.26	61	60	61
TILLARI	0.39	11.63	64	0	60
BHTGR/VEER	0.12	2.40	6	5	6
BHIRA T.R.	0.37	7.02	40	0	40
RNGR+BHTSA	0.30	8.32	13	12	12
BHANDARDRA	0.81	9.51	34	33	34
ELDARY	0.35	6.26	15	14	14
SMLHY PTN	0.62	26.34	34	23	5
GHATGHAR	1.07	19.26	250	0	0
Total	5.99	140.84			250
Wind					
MalharPeth	0.20	6.95			
Vankuswadi	0.39	12.35			
ATIT	0.05	1.40			
Kale	0.13	4.61			
Satara	3.64	60.15			
Shirala	0.11	5.48			
K Mahankal	0.02	0.73			
Supa	0.06	2.66			
Vita	0.94	27.81			
Dondaicha	3.58	76.40			
Sakri	0.48	8.66			
Nandurbar	0.41	8.67			
Khandke	0.08	6.13			
Khaparale	0.17	8.02			
Total	10.27	230.01			
CPP					
JSW JAIGAD	18.16	430.76	823	604	742
WARDHA	0.00	4.35	0	0	0
Adani	35.88	1065.34	1799	1199	1823
Other CPPs	19.33	662.71			875
Total	73.37	2163.15			3440
SOLAR					
Total	0.98	30.47			
Total	0.98	30.47			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.39	336.94	494	407	500
Trombay 6	4.27	89.26	255	152	500
Trombay 7A	2.58	78.84	123	77	120
Trombay 7B	1.53	46.75	69	54	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.54	121.38	471	0	447
Total	25.31	673.18			1627
REL					
1&2	12.46	372.69	522	515	500
Total	12.46	372.69			500
Cent Sect					
Share					6202
Total					6202
MS PG CL	Thermal	133.72	3797.42		5782
	Thml+Gas	144.31	4074.10		6242
	Hydro	14.01	735.33		1420
	Total	158.32	4809.43		7662
State Total		280.86	7254.52		19431

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/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	5399	819	451	6669	583	3291	0	5451	6258	-1038	-1174	15654	141	15795	2540	18335	49.94
2	5350	703	448	6501	535	3319	0	5299	4915	-928	-1032	14265	179	14444	2307	16751	49.90
3	5464	282	450	6196	555	3228	0	5274	5088	-855	-790	14287	179	14466	2142	16608	49.87
4	5460	229	448	6137	619	3153	0	5275	5234	-806	-691	14452	159	14611	2040	16651	49.91
5	5567	219	450	6236	542	3113	0	5312	5497	-802	-650	14738	111	14849	1990	16839	49.89
6	5645	229	450	6324	399	3141	0	5351	5167	-839	-685	14346	175	14521	2017	16538	49.81
7	5706	219	454	6379	384	3118	6	5347	5500	-811	-704	14687	478	15165	2033	17198	49.99
8	5666	263	450	6379	166	3158	27	5449	5576	-915	-804	14502	614	15116	2138	17254	50.06
9	5620	283	448	6351	265	3248	67	5415	5454	-1010	-1075	14310	866	15176	2445	17621	50.03
10	5653	741	442	6836	222	3332	93	5898	5995	-1182	-1232	15246	657	15903	2815	18718	49.98
11	5589	978	439	7006	120	3447	119	6100	6525	-1327	-1319	15898	691	16589	3094	19683	49.97
12	5569	1050	430	7049	178	3442	135	6266	6193	-1414	-1322	15675	828	16503	3193	19696	49.96
13	5828	949	427	7204	275	2910	145	6160	6200	-1450	-1287	15454	1004	16458	3205	19663	49.90
14	5844	939	428	7211	435	2881	110	5883	6051	-1426	-1209	15492	900	16392	3109	19501	49.91
15	5902	906	427	7235	462	2879	118	6219	6418	-1406	-1276	15836	681	16517	3148	19665	49.73
16	5571	1330	431	7332	388	2902	77	6287	6512	-1430	-1311	15900	557	16457	3174	19631	49.88
17	5424	1038	434	6896	451	2866	53	6100	6200	-1426	-1301	15165	568	15733	3148	18881	49.99
18	5447	281	428	6156	641	2845	21	5232	5228	-1344	-1341	13550	340	13890	3038	16928	50.03
19	5381	279	429	6089	789	2814	4	5098	5283	-1232	-1371	13608	104	13712	2876	16588	49.96
20	5510	429	440	6379	779	2880	0	5563	5626	-1213	-1242	14449	115	14564	2888	17452	49.89
21	5483	284	444	6211	581	2899	0	5569	5943	-1217	-1271	14370	96	14466	2866	17332	49.90
22	5567	206	447	6220	356	2871	0	5555	5126	-1201	-1181	13392	84	13476	2708	16184	49.91
23	5555	506	446	6507	314	2845	0	5505	5824	-1224	-1137	14379	73	14452	2666	17118	49.84
24	5519	849	446	6814	227	2792	0	5553	5752	-1190	-1060	14538	64	14602	2651	17253	49.92
MUs	133.72	14.01	10.59	158.32	10.27	73.37	0.98	135.16	137.56	-27.68	-26.46	354.19	9.66	363.86	64.23	428.09	49.92

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/2014

Position as on 6.30 Hrs of 01/May/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	
Khaparkheda Unit 3	210	01/04/2014	05.14		Continued.	A.O.H.	
Koradi Unit 5	200	10/04/2014	19.21		Continued.	Coal conservation	
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	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	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	
CPP JSW (J) U2	300	28/02/2014	17.52		Continued.	No Schedule.	
CPP WPCL U-3	135	01/04/2014	00.07	30/04/2014	21.41	No Schedule	
CPP WPCL U-4	135	03/04/2014	00.01		Continued.	No Schedule	
Uran Unit 5	108	16/04/2014	03.31		Continued.	Gas Shortage.	
CPP INDIABULLS	270	19/04/2014	19.50		Continued.	Coal Shortage of U-1	
Parli Unit 4	210	25/04/2014	17.52		Continued.	Flame Failure.	
CPP Adani U-3	660	26/04/2014	00.33	01/05/2014	06.37	Boiler Tube Leakage.	
CPP INDIABULLS	270	29/04/2014	09.34		Continued.	PA Fan Problem of U-2	
Koyna ST-IV 1	250	29/04/2014	12.15	30/04/2014	04.00	Butterfly valve problem	
CPP Adani U1	660	30/04/2014	12.11		Continued.	BTL.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Apr/2014

Position as on 6.30 Hrs of 01/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Halkarni-Mahalaxmi	30/04/2014	08.46	30/04/2014	17.38	For Fixing of Vibration Dampers.
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-II	29/04/2014	17.14	30/04/2014	07.39	Over Voltage
Karad-Lonikand	30/04/2014	07.20	30/04/2014	22.58	Due To Sparking On Cvt jumper Ready For Charging.
Kolhapur - Mapusa - I	30/04/2014	16.45		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	01/05/2014	02.43		Continued.	Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC Pole-I	01/05/2014	03.36		Continued.	Replacement of Faulty MCB Of fans,to Pump oil of CB and Maintainace work.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 500 MVA ICT-I @ Jejuri	30/04/2014	00.17	01/05/2014	03.45	To Attend Hotspot Of Bushing Of R Ph. CT.
Lonikand - Jejuri	30/04/2014	00.26	01/05/2014	04.17	Y Phase Jumper Of CVT Replacement.
400/220 KV 500 MVA ICT-II at Lamboti	30/04/2014	11.06	30/04/2014	15.34	OLTC conservetor oil top up & Tan Delta Measurement.
New Koyna - Dabhol - I	30/04/2014	11.45		Continued.	Insilator Washing work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132KV 100 MVA ICT II at Pusad	30/04/2014	07.03	30/04/2014	17.23	Tan Delta & CRM Measurement and Bay Main Work.
Lamboti - Pandharpur	30/04/2014	08.38	30/04/2014	19.32	Strinning Of 765kv PGCIL Line Over crossing.
P'pur-Malinagar	30/04/2014	08.40	30/04/2014	21.15	Strinning Of 765kv PGCIL Line Over Crossing.
Vita - Lamboti	30/04/2014	09.03	30/04/2014	21.01	Strinning Of 765kv PGCIL Line Over Crossing.
Koradi-Butibori	30/04/2014	10.35		Continued.	O/H Of C.B.
New Parly - Beed - I	30/04/2014	11.03	30/04/2014	13.45	Replacement Of R Phase.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Kawlewada-Madgi-I	30/04/2014	07.21	30/04/2014	17.55	Overhead crossing of 765kv.
Kawlewada-Madgi II	30/04/2014	07.22	30/04/2014	17.56	Overhead Crossing Of 765kv.
Durgowada - Daryapur	30/04/2014	09.03	30/04/2014	16.57	Stringing Bet.
Pathardi - Raimoha	30/04/2014	11.57	30/04/2014	13.30	Quarterly Maintainance work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - II - Akola - I	18/04/2014	16.00		Continued.	Over Voltage.
Dabhol - New Koyna - I	28/04/2014	12.26		Continued.	Coldwashing of Insulator, RFC 19.53Hrs
Karad - Kolhapur - II	29/04/2014	16.30	30/04/2014	06.20	Over Voltage
Karad-Jaigad I	29/04/2014	16.32	30/04/2014	06.29	Over Voltage
Karad-Kolhapur-II	30/04/2014	16.14		Continued.	Over Voltage.
Karad-Jaigad I	30/04/2014	16.38		Continued.	Over Voltage.
Bhusawal- Aurangabad	30/04/2014	18.32		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 30/Apr/2014

Position as on 6.30 Hrs of 01/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Chikhali - Jalna - I	28/04/2014	01.14		Continued.	To Control O/L of 220KV Paras-ChiKhli
Chikhali - Jalna - II	28/04/2014	01.14		Continued.	To control O/L of 220KV Paras-Chikhli
Phursungi - Theur	01/05/2014	03.54		Continued.	Over Voltage.
Voltage Level : 132KV			Outage Type TRIPPED		
Buldana-Motala	30/04/2014	07.22	30/04/2014	07.37	Distance Protection operated Zone 1 y phase.
Pathardi - Raimoha	30/04/2014	16.43	30/04/2014	17.08	Distance protection Operated Y B Phase.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/May/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	155
	620	295
Bhusawal		
Unit 2	210	140
Unit 3	210	150
Unit 4	500	360
Unit 5	500	340
	1420	990
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	160
Unit 6	250	187
Unit 7	250	187
	1130	534
Chandrapur		
Unit 1	210	150
Unit 2	210	170
Unit 3	210	180
Unit 4	210	210
Unit 5	500	450
Unit 6	500	380
Unit 7	500	400
	2340	1940
Paras		
Unit 3	250	220
Unit 4	250	250
	500	470
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	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	460
	852	460
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	18
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	6
BHIRA T.R.	80	40
RNGR+BHTSA	20	14
BHANDARDRA	45	34
ELDARY	23	15
SMLHY PTN	12	2
GHATGHAR	250	0
	611	250
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	803
WARDHA	405	0
Adani	2640	1823
Other CPPs	300	608
	4545	3234
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5803
	3455	5803