



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

State Load Dispatch Center, Airoli

Daily system Report

for

02/Apr/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 02/Apr/2014 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	130.937	261.934	1) Gujrat	9.083	16.279
2) Hydro	16.443	37.095	2) Madhya Pradesh	21.898	43.730
3) Gas	7.487	14.716	3) Chattisgarh	9.500	18.900
Total MSGENCO	154.867	313.745	4) Maharashtra Net	85.345	174.526
B) 1) JSW JAIGAD	13.694	22.195	(Incl. 765kV Solapur-Raichur)	-1.151	-2.128
2) WPCL	2.181	4.347	5) Goa	-6.045	-12.288
3) ADANI	41.431	76.754	6) TAPS 1&2 Injection	7.469	14.948
4) Other CPP / IPP	22.250	45.067	7) RGPPL Injection	0.000	0.000
5) Wind Generation	8.839	17.617	8) Pench (Excess)	-0.225	-0.384
6) PENCH (MS)	0.225	0.384	# Total Cent. Sector	127.025	255.711
7) SOLAR	1.264	2.462	F) Other Exchanges		
C) 1) TPCL Thermal	15.662	30.847	1) With TPCL (Excess)	-26.177	-52.123
2) TPCL Hydro	4.895	9.485	G) Bilateral Power *		
TOTAL TPCL	20.557	40.332	1) MSEDCL Bilateral	11.761	23.937
3) REL Thermal	12.340	24.386	Include PX	0.000	0.000
D) STATE			2) MUMBAI Bilateral	28.612	53.983
1) Thermal (A1+C1+C3)	158.939	317.167	Include PX	5.240	10.817
2) Hydro (A2+B6+C2)	21.563	46.964	3) MUMBAI Schedule	28.612	53.983
3) Gas (A3)	7.487	14.716	H) ENERGY CATERED (MUs)		
4) Wind (B5)	8.839	17.617	1) MSEDCL	345.599	686.159
5) CPP/IPP (B1+B2+B3+B4)	79.556	113.040	2) TPCL	37.783	74.707
6) SOLAR (B7)	1.264	2.462	3) REL	21.291	42.134
TOTAL STATE	277.648	511.966	TOTAL STATE	404.673	803.000

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5928	5479	5084
MSGENCO Hydro	892	1534	194
MSGENCO Gas	299	300	323
MSGENCO Total Generation	7119	7313	5601
Central Sector Receipt	5552	5672	5141
WIND	291	207	644
CPP / IPP	3462	3379	3082
SOLAR	165	142	0
Exchange with Mumbai	-1309	-1331	-832
MSEDCL DEMAND MET	15280	15382	13646
Load Shedding	882	649	28
MSEDCL DEMAND	16162	16031	13674
TPCL GENERATION	1154	1119	495
R-INFRA GENERATION	521	523	393
TPCL+R-INFRA DEMAND	2984	2973	1720
STATE DEMAND MET	18264	18355	15366
STATE DEMAND	19146	19004	15394
Frequency (Hz)	49.89	49.88	49.89

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.2 Hz at 17:56 Hrs	49.58 Hz at 16:17 Hrs	49.92	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

Shift Engineer

Shift Incharge

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 02/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	3.20	6.61	153	100	132
Unit 7	3.45	7.04	153	120	151
Total	6.66	13.66			283
Bhusawal					
Unit 2	3.39	6.42	155	120	130
Unit 3	3.72	5.66	165	140	145
Unit 4	8.76	17.99	515	295	360
Unit 5	7.44	15.06	420	230	320
Total	23.32	45.14			955
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.56	6.91	160	137	143
Unit 5	0.00	0.00	0	0	0
Unit 6	4.35	8.40	251	165	165
Unit 7	4.33	8.27	250	160	160
Total	12.24	23.59			468
Chandrapur					
Unit 1	3.49	6.99	149	140	150
Unit 2	4.00	6.26	170	153	165
Unit 3	0.00	2.55	0	0	0
Unit 4	4.84	9.59	210	170	210
Unit 5	10.72	21.25	460	370	450
Unit 6	10.22	20.36	447	370	450
Unit 7	10.27	20.33	455	385	440
Total	43.53	87.32			1865
Paras					
Unit 3	5.08	9.93	223	192	220
Unit 4	5.39	10.44	235	195	230
Total	10.47	20.38			450
Khaparkheda					
Unit 1	3.68	7.96	180	120	180
Unit 2	3.83	8.04	180	130	180
Unit 3	0.00	0.80	0	0	0
Unit 4	4.05	8.82	185	143	210
Unit 5	10.22	20.29	490	349	500
Total	21.79	45.91			1070
Nasik					
Unit 3	4.16	8.27	180	160	180
Unit 4	4.38	8.87	194	175	190
Unit 5	4.39	8.80	192	172	190
Total	12.93	25.94			560
Uran					
All Units	7.49	14.72	326	299	315
Total	7.49	14.72			315
PENCH (MS)					
Pench (MS)	0.22	0.38	52	0	0
Total	0.22	0.38			0
Koyna					
Stage 1-2	4.40	9.18	550	40	600
Stage 4	4.44	11.22	961	0	250
Stage 3	1.97	4.87	298	0	320
Kovna 12&4 Total	8.83	20.41			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	10.80	25.28			1170
Hydro					
KDPH	0.41	0.97	17	16	34
VTRNA	1.41	2.73	61	5	61
TILLARI	0.39	0.78	63	0	63
BHTGR/VEER	0.07	0.14	3	2	2
BHIRA T.R.	0.25	0.40	40	0	40
RNGR+BHTSA	0.32	0.67	14	13	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.36	0.72	15	14	0
SMLHY PTN	1.04	2.26	44	43	15
GHATGHAR	1.40	3.15	240	0	0
Total	5.64	11.82			230
Wind					
MalharPeth	0.22	0.56			
Vankuswadi	0.34	0.81			
ATIT	0.05	0.11			
Kale	0.17	0.39			
Satara	2.31	4.26			
Shirala	0.23	0.44			
K Mahankal	0.04	0.07			
Supa	0.25	0.34			
Vita	1.51	2.46			
Dondaicha	2.38	5.34			
Sakri	0.34	0.74			
Nandurbar	0.25	0.60			
Khandke	0.38	0.61			
Khaparale	0.38	0.89			
Total	8.84	17.62			
CPP					
JSW JAIGAD	13.69	22.20	693	505	550
WARDHA	2.18	4.35	94	84	90
Adani	41.43	76.75	1796	1518	1110
Other CPPs	22.25	45.07			673
Total	79.56	148.36			2423
SOLAR					
Total	1.26	2.46			
Total	1.26	2.46			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.32	22.16	502	315	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.75	5.50	115	114	120
Trombay 7B	1.60	3.19	68	66	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.90	9.48	471	0	447
Total	20.56	40.33			1127
REL					
1&2	12.34	24.39	524	393	500
Total	12.34	24.39			500
Cent Sect					
Share					5533
Total					5533
MS PG CL	Thermal	130.94	261.93		5651
	Thml+Gas	138.42	276.65		5966
	Hydro	16.44	37.10		1400
	Total	154.87	313.74		7366
State Total		277.65	511.97		16949

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 02/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	5342	348	325	6015	476	2997	0	5257	5607	-1068	-865	14230	15	14245	2074	16319	49.96
2	5413	263	325	6001	483	3085	0	5074	5005	-929	-695	13879	27	13906	1895	15801	49.90
3	5413	194	326	5933	589	3171	0	4856	4636	-823	-648	13681	22	13703	1795	15498	49.95
4	5233	204	326	5763	679	3105	0	4797	4906	-811	-738	13715	22	13737	1732	15469	49.91
5	5084	194	323	5601	644	3082	0	4778	5141	-811	-832	13646	28	13674	1720	15394	49.89
6	5359	259	316	5934	533	3151	0	4696	4845	-836	-781	13698	406	14104	1812	15916	49.91
7	5443	204	317	5964	550	3198	2	4744	4924	-873	-813	13860	1023	14883	1945	16828	49.96
8	5498	289	315	6102	486	3192	30	4825	5018	-957	-837	14043	1065	15108	2064	17172	49.97
9	5675	497	315	6487	446	3330	80	4869	5161	-1098	-1002	14520	946	15466	2337	17803	49.88
10	5916	1212	311	7439	402	3371	122	5038	5073	-1189	-1204	15203	687	15890	2679	18569	49.86
11	5884	1145	303	7332	377	3513	151	5358	5229	-1416	-1318	15284	715	15999	2933	18932	49.93
12	5928	892	299	7119	291	3462	165	5425	5552	-1443	-1309	15280	882	16162	2984	19146	49.89
13	5701	805	299	6805	253	3522	169	5385	5418	-1447	-1308	14859	983	15842	2983	18825	49.91
14	5468	997	299	6764	209	3520	183	5306	5557	-1375	-1288	14945	909	15854	2941	18795	49.93
15	5479	1534	300	7313	207	3379	142	5351	5672	-1434	-1331	15382	649	16031	2973	19004	49.88
16	5465	1735	302	7502	208	3411	107	5392	5798	-1507	-1327	15699	551	16250	2978	19228	49.83
17	5459	1696	302	7457	240	3442	79	5343	5504	-1451	-1334	15394	637	16031	2973	19004	49.91
18	5428	729	308	6465	234	3349	32	5014	4834	-1240	-1349	13585	393	13978	2881	16859	49.97
19	5329	374	309	6012	229	3349	2	4912	5330	-1241	-1323	13623	20	13643	2758	16401	49.99
20	5288	995	312	6595	212	3473	0	5323	5570	-1379	-1224	14650	17	14667	2777	17444	49.93
21	5348	826	312	6486	227	3345	0	5376	5488	-1394	-1178	14371	15	14386	2572	16958	49.98
22	5323	326	314	5963	247	3334	0	5356	5725	-1402	-1193	14076	18	14094	2525	16619	49.98
23	5273	276	314	5863	261	3420	0	5099	5678	-1273	-1174	14062	17	14079	2416	16495	49.90
24	5188	449	315	5952	356	3355	0	5164	5354	-1215	-1106	13914	18	13932	2327	16259	49.96
MUs	130.94	16.44	7.49	154.87	8.84	79.56	1.26	122.74	127.02	-28.61	-26.18	345.60	10.06	355.66	59.07	414.74	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 02/Apr/2014

Position as on 6.30 Hrs of 03/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	
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	
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	
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.	
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	
CPP WPCL U-3	135	01/04/2014	00.07		Continued.	No Schedule	
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.	
Koyna Unit 5	80	02/04/2014	21.30	03/04/2014	01.50	P.M.Work	
CPP WPCL U-4	135	03/04/2014	00.01		Continued.	No Schedule	
Parli Unit 6	250	03/04/2014	00.05	03/04/2014	03.15	Furnace Pressure High	
Parli Unit 6	250	03/04/2014	03.28	03/04/2014	05.07	Furnace pressure High	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Apr/2014

Position as on 6.30 Hrs of 03/Apr/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kolhapur - Mapusa - II	01/04/2014	07.12	02/04/2014	08.19	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		
Dhule-Sar'Sarovar - I	02/04/2014	01.59	02/04/2014	06.49	Over Voltage.
Kolhapur - Mapusa - I	02/04/2014	16.24		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.
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.
400/15.75 KV 250 MVA GT III At Chandrapur	01/04/2014	19.40		Continued.	Excitation T/F Preventive maint.
400/220KV,500MVA ICT-III At Kalwa.	02/04/2014	07.42	02/04/2014	11.30	Hot Spot(Taken on TBC)
Koradi -Bhusawal	02/04/2014	09.40	02/04/2014	13.05	Hot Spot
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Uran - JNPT	31/03/2014	09.48	02/04/2014	23.14	Repl of CB under Jica.
Mumewadi - Halkarni - II	02/04/2014	08.51	02/04/2014	18.47	Replacement of 220KV Tower Halkarni Tap Line
Beed-Patoda I	02/04/2014	09.50	02/04/2014	13.52	Q.M.Work
Bale - Tuljapur	02/04/2014	12.45	02/04/2014	14.03	Relay Testing work
Main Bus - I @ Lonikand	02/04/2014	13.40		Continued.	Stringing of 220KV Jack Bus
Murud-Tuljapur	02/04/2014	14.16	02/04/2014	15.36	Relay Testing work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Jaigad I	01/04/2014	16.08	02/04/2014	07.40	Over Voltage.
Karad - Kolhapur - II	01/04/2014	16.12	02/04/2014	07.43	Over Voltage.
Bhusawal- Aurangabad	01/04/2014	17.56	02/04/2014	09.01	Over Voltage.
Karad-Jaigad I	02/04/2014	17.55		Continued.	Over Voltage
Bhusawal- Aurangabad	02/04/2014	21.25		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
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.
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	02/04/2014	10.31	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 03/Apr/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	150
	620	300
Bhusawal		
Unit 2	210	140
Unit 3	210	150
Unit 4	500	430
Unit 5	500	372
	1420	1092
Parli		
Unit 3	210	0
Unit 4	210	140
Unit 5	210	0
Unit 6	250	100
Unit 7	250	160
	1130	400
Chandrapur		
Unit 1	210	150
Unit 2	210	170
Unit 3	210	0
Unit 4	210	210
Unit 5	500	470
Unit 6	500	450
Unit 7	500	450
	2340	1900
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
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	300
	852	300
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	2
BHIRA T.R.	80	40
RNGR+BHTSA	20	14
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	15
GHATGHAR	250	0
	611	210
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	0
Adani	1980	1223
Other CPPs	300	690
	3885	2463
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	5805
	3455	5805