



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

State Load Dispatch Center, Airoli

Daily system Report

for

08/May/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 08/May/2014 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	125.916	1005.101	1) Gujrat	7.346	72.732
2) Hydro	6.844	102.063	2) Madhya Pradesh	20.464	172.900
3) Gas	14.159	98.607	3) Chattisgarh	8.730	66.460
Total MSGENCO	146.919	1205.771	4) Maharashtra Net	92.031	686.942
B) 1) JSW JAIGAD	19.849	159.497	(Incl. 765kV Solapur-Raichur)	0.392	-0.547
2) WPCL	2.769	21.614	5) Goa	-6.275	-55.224
3) ADANI	39.722	327.276	6) TAPS 1&2 Injection	7.390	58.995
4) Other CPP / IPP	21.745	166.007	7) RGPPL Injection	0.000	0.000
5) Wind Generation	8.288	66.472	8) Pench (Excess)	-0.015	-1.123
6) PENCH (MS)	0.015	1.123			
7) SOLAR	0.816	7.369	# Total Cent. Sector	129.671	1001.682
C) 1) TPCL Thermal	19.351	153.182	F) Other Exchanges		
2) TPCL Hydro	5.186	27.710	1) With TPCL (Excess)	-28.331	-207.585
TOTAL TPCL	24.537	180.892	G) Bilateral Power *		
3) REL Thermal	11.790	97.017	1) MSEDCL Bilateral	37.271	214.911
D) STATE			Include PX	11.310	51.285
1) Thermal (A1+C1+C3)	157.057	1255.300	2) MUMBAI Bilateral	25.941	221.398
2) Hydro (A2+B6+C2)	12.045	130.896	Include PX	3.826	20.349
3) Gas (A3)	14.159	98.607	3) MUMBAI Schedule	25.941	221.398
4) Wind (B5)	8.288	66.472	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	84.085	386.840	1) MSEDCL	341.463	2749.226
6) SOLAR (B7)	0.816	7.369	2) TPCL	41.631	309.227
TOTAL STATE	276.450	1945.484	3) REL	23.028	176.271
			TOTAL STATE	406.122	3234.724

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5601	5369	5105
MSGENCO Hydro	333	454	187
MSGENCO Gas	567	572	606
MSGENCO Total Generation	6501	6395	5898
Central Sector Receipt	6060	6113	4822
WIND	160	178	469
CPP / IPP	3639	3815	3127
SOLAR	128	70	0
Exchange with Mumbai	-1396	-1347	-937
MSEDCL DEMAND MET	15092	15224	13379
Load Shedding	592	404	254
MSEDCL DEMAND	15684	15628	13633
TPCL GENERATION	1292	1317	651
R-INFRA GENERATION	517	514	399
TPCL+R-INFRA DEMAND	3205	3178	1987
STATE DEMAND MET	18297	18402	15366
STATE DEMAND	18889	18806	15620
Frequency (Hz)	49.96	50.05	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.48 Hz at 18:01 Hrs	49.72 Hz at 12:25 Hrs	50	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 08/May/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	3.72	28.45	168	135	165
Unit 7	4.10	23.54	180	150	160
Total	7.82	51.99			325
Bhusawal					
Unit 2	3.34	25.87	150	125	140
Unit 3	2.99	23.38	135	115	130
Unit 4	7.86	69.04	385	290	390
Unit 5	7.70	63.11	350	300	340
Total	21.88	181.40			1000
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.92	12.04	175	152	167
Unit 5	3.83	30.08	166	152	161
Unit 6	4.61	37.33	250	184	185
Unit 7	3.06	35.06	250	0	185
Total	15.43	114.51			698
Chandrapur					
Unit 1	3.39	26.65	144	138	144
Unit 2	3.71	30.58	165	127	156
Unit 3	0.00	17.24	0	0	0
Unit 4	4.42	36.76	207	170	175
Unit 5	6.04	46.49	440	0	0
Unit 6	9.00	74.19	400	340	384
Unit 7	9.11	69.67	394	354	384
Total	35.67	301.58			1243
Paras					
Unit 3	4.26	36.62	193	163	200
Unit 4	5.26	29.60	244	194	250
Total	9.52	66.22			450
Khaparkheda					
Unit 1	3.81	30.39	185	140	190
Unit 2	3.80	30.30	170	145	185
Unit 3	4.04	20.15	200	165	210
Unit 4	2.50	31.57	180	0	210
Unit 5	8.65	72.45	485	323	500
Total	22.80	184.87			1295
Nasik					
Unit 3	4.27	34.78	190	155	190
Unit 4	4.22	34.03	182	169	185
Unit 5	4.31	35.72	191	170	190
Total	12.80	104.54			565
Uran					
All Units	14.16	98.61	608	566	570
Total	14.16	98.61			570
PENCH (MS)					
Pench (MS)	0.02	1.12	12	0	0
Total	0.02	1.12			0
Koyna					
Stage 1-2	1.56	23.77	190	35	600
Stage 4	0.36	27.56	252	0	250
Stage 3	0.30	11.37	78	0	320
Kovna 12&4 Total	1.92	51.33			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.22	62.70			1170
Hydro					
KDPH	0.15	2.82	12	0	18
VTRNA	1.21	9.44	61	0	61
TILLARI	0.42	2.96	63	0	60
BHTGR/VEER	0.05	0.46	3	2	2
BHIRA T.R.	0.31	1.66	40	0	40
RNGR+BHTSA	0.16	1.50	7	6	13
BHANDARDRA	0.72	6.17	31	30	30
ELDARY	0.34	2.71	15	13	0
SMLHY PTN	0.44	4.76	25	16	25
GHATGHAR	0.81	6.88	217	0	0
Total	4.62	39.36			249
Wind					
MalharPeth	0.08	0.94			
Vankuswadi	0.25	2.09			
ATIT	0.02	0.20			
Kale	0.08	0.34			
Satara	2.74	22.75			
Shirala	0.14	0.86			
K Mahankal	0.03	0.20			
Supa	0.02	0.48			
Vita	1.25	6.50			
Dondaicha	2.80	24.10			
Sakri	0.37	3.00			
Nandurbar	0.29	2.39			
Khandke	0.15	0.79			
Khaparale	0.05	1.85			
Total	8.29	66.47			
CPP					
JSW JAIGAD	19.85	159.50	906	683	825
WARDHA	2.77	21.61	118	110	125
Adani	39.72	327.28	1830	1420	1851
Other CPPs	21.74	166.01			710
Total	84.08	674.39			3511
SOLAR					
Total	0.82	7.37			
Total	0.82	7.37			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.83	88.07	496	314	500
Trombay 6	4.04	31.07	239	155	500
Trombay 7A	2.85	21.48	123	114	120
Trombay 7B	1.63	12.56	69	66	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.19	27.71	471	0	447
Total	24.54	180.89			1627
REL					
1&2	11.79	97.02	519	395	500
Total	11.79	97.02			500
Cent Sect					
Share					6417
Total					6417
MS PG CL	Thermal	125.92	1005.10		5576
	Thml+Gas	140.08	1103.71		6146
	Hydro	6.84	102.06		1419
	Total	146.92	1205.77		7565
State Total		276.45	1945.48		19620

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 08/May/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	4997	184	595	5776	575	3466	0	5057	5208	-1254	-1228	13797	140	13937	2453	16390	49.91
2	5032	178	596	5806	417	3515	0	5039	5047	-1089	-1015	13770	253	14023	2269	16292	49.97
3	5115	192	607	5914	428	3580	0	5086	4667	-955	-797	13792	253	14045	2120	16165	49.99
4	5050	182	608	5840	592	3323	0	4685	4765	-934	-951	13569	253	13822	2028	15850	50.01
5	5105	187	606	5898	469	3127	0	4685	4822	-932	-937	13379	254	13633	1987	15620	49.99
6	5231	198	605	6034	369	3223	0	4721	4831	-887	-799	13658	366	14024	2033	16057	50.03
7	5315	216	605	6136	355	3105	4	4793	4606	-866	-723	13483	591	14074	2008	16082	50.01
8	5319	192	604	6115	193	3155	13	4994	5589	-926	-986	14079	553	14632	2126	16758	49.92
9	5309	257	601	6167	108	3484	44	5342	5177	-827	-1005	13975	751	14726	2433	17159	49.92
10	5363	297	596	6256	165	3600	75	5948	5689	-1262	-1301	14484	557	15041	2810	17851	49.83
11	5395	293	575	6263	142	3604	112	6293	6180	-1233	-1390	14911	526	15437	3101	18538	49.89
12	5601	333	567	6501	160	3639	128	6347	6060	-1215	-1396	15092	592	15684	3205	18889	49.96
13	5490	298	569	6357	156	3238	119	6173	6219	-1056	-1326	14763	731	15494	3213	18707	49.92
14	5445	320	567	6332	157	3226	99	5673	6160	-998	-1328	14646	685	15331	3191	18522	50.01
15	5833	418	566	6817	140	3697	76	5628	5693	-1186	-1337	15086	502	15588	3163	18751	49.98
16	5369	454	572	6395	178	3815	70	6051	6113	-1249	-1347	15224	404	15628	3178	18806	50.05
17	5150	713	577	6440	217	3769	45	5536	5552	-1237	-1336	14687	397	15084	3161	18245	50.03
18	5136	395	587	6118	328	3761	25	5082	4801	-1142	-1335	13698	260	13958	3108	17066	50.17
19	5080	234	592	5906	393	3649	6	4425	4954	-1022	-1356	13552	139	13691	2986	16677	50.33
20	5135	296	596	6027	410	3794	0	5042	5686	-1123	-1361	14559	159	14718	2936	17654	50.07
21	5162	284	592	6038	447	3737	0	5283	5450	-1103	-1310	14374	139	14513	2878	17391	50.19
22	5207	190	593	5990	596	3819	0	5191	5314	-1162	-1361	14358	126	14484	2823	17307	49.99
23	5101	171	593	5865	730	3479	0	5354	5590	-1152	-1226	14438	122	14560	2719	17279	49.93
24	4976	362	590	5928	563	3280	0	5015	5498	-1130	-1180	14089	93	14182	2729	16911	50.01
MUs	125.92	6.84	14.16	146.92	8.29	84.08	0.82	127.44	129.67	-25.94	-28.33	341.46	8.85	350.31	64.66	414.97	50.00

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 08/May/2014

Position as on 6.30 Hrs of 09/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	
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-4	135	03/04/2014	00.01		Continued.	No Schedule	
CPP INDIABULLS	270	29/04/2014	09.34		Continued.	PA Fan Problem of U-2	
CPP Adani U1	660	30/04/2014	12.11		Continued.	BTL.	
Chandrapur Unit 5	500	05/05/2014	00.40	08/05/2014	03.39	CEP Pump Tripped.	
Chandrapur Unit 3	210	05/05/2014	06.10		Continued.	GCR Building Caught Fire.	
Chandrapur Unit 5	500	08/05/2014	03.42	08/05/2014	06.20	Tripped.	
CPP VIPL	300	08/05/2014	05.30		Continued.	(U-2)Condencer tube leakage.	
Khaparkheda Unit 4	210	08/05/2014	14.45		Continued.	Low Drum Level	
Parli Unit 7	250	08/05/2014	15.47	09/05/2014	04.55	FD Fan Problem,Oil Leakage	
Nasik Unit 5	210	09/05/2014	00.55	09/05/2014	02.50	Control Supply Failed	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 08/May/2014

Position as on 6.30 Hrs of 09/May/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 - I	08/05/2014	17.10		Continued.	Replacement of Pentagraph
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Talegaon PG- Aurangabad - II	08/05/2014	17.25	08/05/2014	21.49	LA Replacement
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	07/05/2014	17.10	08/05/2014	08.05	Over Voltage.
Dhule-Sar'Sarovar - II	09/05/2014	03.19		Continued.	Over Voltage
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC POLE I -CHDPR	09/05/2014	01.02	09/05/2014	02.05	Testing and Trouble Shooting
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Main Bus - I @ Kolhapur	07/05/2014	12.37		Continued.	Isolator alignment and maint work.
Padgha - Kharghar	08/05/2014	09.45	08/05/2014	12.14	Hot Spot(Taken on TBC)
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
ONGC-JNPT	06/05/2014	11.35	08/05/2014	16.29	Line Maint.work.
Karad-Mudsingi-IV	08/05/2014	09.09	08/05/2014	17.30	Insulator Washing Work.
Baramati-Kurkumb	08/05/2014	10.14		Continued.	Insulator Replacement Work.
Jejuri - Baramati	08/05/2014	10.14	08/05/2014	15.35	Hot Spot
Bhugaon-Pusad	08/05/2014	10.30	08/05/2014	16.47	Replacement of Line Insulator
220/132KV 100MVA ICT II at Hingoli	08/05/2014	10.32	08/05/2014	14.50	Premansoon Maint.of ICT
Halkarni - Momewadi -I	08/05/2014	13.08	08/05/2014	20.27	Relay Work.
220/132 KV 200 MVA ICT-II @ Harangul	08/05/2014	18.02	08/05/2014	19.16	Oil Leakage
Kalwa - Borivali	09/05/2014	06.15		Continued.	Removal of Bird Nest
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - II - Akola - I	18/04/2014	16.00		Continued.	Over Voltage.
Dabhol - New Koyana - I	28/04/2014	12.26		Continued.	Cold washing of Insulator, RFC 19.53Hrs
Karad - Kolhapur - I	07/05/2014	16.07	08/05/2014	07.20	Over Voltage.
Bhusawal- Aurangabad	07/05/2014	18.05	08/05/2014	07.31	Over Voltage.
Karad - Kolhapur - I	08/05/2014	17.36		Continued.	Over Voltage
Bhusawal- Aurangabad	08/05/2014	18.09		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
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
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Newkoyana - I	07/05/2014	16.54	08/05/2014	07.17	Distance Protection.
Dabhol - Nagothane - I	07/05/2014	17.29	08/05/2014	08.56	Distance Protection.(RFC at 03.46 hrs on 08.05.14)
Voltage Level : 220KV			Outage Type TRIPPED		
Pedambe - Adlab	07/05/2014	17.14	08/05/2014	11.20	Distance Protection.Declared faulty.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 08/May/2014

Position as on 6.30 Hrs of 09/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 132KV			Outage Type TRIPPED		
Mankapur - Uppalwadi	06/05/2014	00.54	08/05/2014	20.08	Dist.Prot.
Ambazari-Manakapur Ckt.II	06/05/2014	03.14	08/05/2014	20.07	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 09/May/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	165
	620	315
Bhusawal		
Unit 2	210	130
Unit 3	210	150
Unit 4	500	303
Unit 5	500	333
	1420	916
Parli		
Unit 3	210	0
Unit 4	210	155
Unit 5	210	160
Unit 6	250	185
Unit 7	250	100
	1130	600
Chandrapur		
Unit 1	210	150
Unit 2	210	160
Unit 3	210	0
Unit 4	210	210
Unit 5	500	400
Unit 6	500	400
Unit 7	500	400
	2340	1720
Paras		
Unit 3	250	200
Unit 4	250	250
	500	450
Khaparkheda		
Unit 1	210	190
Unit 2	210	185
Unit 3	210	210
Unit 4	210	0
Unit 5	500	500
	1340	1085
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	590
	852	590
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	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	2
BHIRA T.R.	80	40
RNGR+BHTSA	20	13
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	25
GHATGHAR	250	0
	611	248
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	825
WARDHA	405	115
Adani	2640	1853
Other CPPs	300	710
	4545	3503
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	5956
	3455	5956