



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

State Load Dispatch Center, Airoli

Daily system Report

for

09/May/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 09/May/2014 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	125.246	1130.347	1) Gujrat	7.962	80.694
2) Hydro	6.894	108.957	2) Madhya Pradesh	19.712	192.612
3) Gas	13.679	112.286	3) Chattisgarh	8.910	75.370
Total MSGENCO	145.819	1351.590	4) Maharashtra Net	85.754	772.696
B) 1) JSW JAIGAD	20.006	179.503	(Incl. 765kV Solapur-Raichur)	0.214	-0.333
2) WPCL	2.691	24.305	5) Goa	-5.955	-61.179
3) ADANI	40.690	367.966	6) TAPS 1&2 Injection	7.339	66.334
4) Other CPP / IPP	20.489	186.496	7) RGPPL Injection	0.000	0.000
5) Wind Generation	10.482	76.954	8) Pench (Excess)	-0.368	-1.491
6) PENCH (MS)	0.368	1.491			
7) SOLAR	0.927	8.296	# Total Cent. Sector	123.354	1125.036
C) 1) TPCL Thermal	18.559	171.741	F) Other Exchanges		
2) TPCL Hydro	4.619	32.329	1) With TPCL (Excess)	-29.930	-237.515
TOTAL TPCL	23.178	204.070	G) Bilateral Power *		
3) REL Thermal	11.980	108.997	1) MSEDCL Bilateral	25.206	240.117
D) STATE			Include PX	0.886	52.170
1) Thermal (A1+C1+C3)	155.785	1411.085	2) MUMBAI Bilateral	29.397	250.795
2) Hydro (A2+B6+C2)	11.881	142.777	Include PX	7.374	27.723
3) Gas (A3)	13.679	112.286	3) MUMBAI Schedule	29.397	250.795
4) Wind (B5)	10.482	76.954	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	83.876	758.270	1) MSEDCL	334.896	3084.122
6) SOLAR (B7)	0.927	8.296	2) TPCL	41.794	351.021
TOTAL STATE	276.630	2509.668	3) REL	23.294	199.565
			TOTAL STATE	399.984	3634.708

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	5129	5322	5098
MSGENCO Hydro	280	497	178
MSGENCO Gas	585	592	585
MSGENCO Total Generation	5994	6411	5861
Central Sector Receipt	5980	5553	4700
WIND	57	285	523
CPP / IPP	3539	3627	3237
SOLAR	140	70	0
Exchange with Mumbai	-1451	-1418	-1009
MSEDCL DEMAND MET	14285	14528	13312
Load Shedding	684	417	295
MSEDCL DEMAND	14969	14945	13607
TPCL GENERATION	1248	1319	657
R-INFRA GENERATION	519	515	391
TPCL+R-INFRA DEMAND	3218	3252	2057
STATE DEMAND MET	17503	17780	15369
STATE DEMAND	18187	18197	15664
Frequency (Hz)	49.99	49.92	50.11

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.22 Hz at 04.56 Hrs	49.66 Hz at 19.17 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 09/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	3.61	32.06	165	117	150
Unit 7	4.12	27.66	190	155	165
Total	7.73	59.72			315
Bhusawal					
Unit 2	3.30	29.16	150	130	130
Unit 3	3.11	26.49	135	120	150
Unit 4	7.89	76.92	480	285	303
Unit 5	7.78	70.90	365	295	333
Total	22.08	203.48			916
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.87	15.91	166	155	155
Unit 5	3.82	33.89	166	149	160
Unit 6	4.50	41.84	212	177	185
Unit 7	2.54	37.60	193	0	100
Total	14.73	129.24			600
Chandrapur					
Unit 1	3.36	30.01	144	136	150
Unit 2	3.78	34.36	164	136	160
Unit 3	0.00	17.24	0	0	0
Unit 4	4.28	41.04	201	163	210
Unit 5	9.84	56.33	445	350	400
Unit 6	8.53	82.73	393	290	400
Unit 7	8.99	78.66	419	325	400
Total	38.79	340.37			1720
Paras					
Unit 3	4.08	40.71	184	150	200
Unit 4	5.20	34.80	252	180	250
Total	9.28	75.50			450
Khaparkheda					
Unit 1	3.70	34.09	175	140	190
Unit 2	3.55	33.86	165	125	185
Unit 3	4.12	24.27	210	164	210
Unit 4	0.00	31.57	0	0	0
Unit 5	8.79	81.24	460	340	500
Total	20.16	205.03			1085
Nasik					
Unit 3	4.32	39.10	195	150	190
Unit 4	4.21	38.24	181	169	190
Unit 5	3.95	39.67	193	0	190
Total	12.47	117.01			570
Uran					
All Units	13.68	112.29	610	512	590
Total	13.68	112.29			590
PENCH (MS)					
Pench (MS)	0.37	1.49	45	0	
Total	0.37	1.49			
Koyna					
Stage 1-2	1.42	25.20	215	40	600
Stage 4	0.52	28.08	225	0	250
Stage 3	0.55	11.92	112	0	320
Kovna 12&4 Total	1.95	53.28			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.50	65.20			1170
Hydro					
KDPH	0.00	2.82	0	0	18
VTRNA	1.14	10.59	61	0	60
TILLARI	0.40	3.36	64	0	60
BHTGR/VEER	0.05	0.51	3	2	2
BHIRA T.R.	0.37	2.03	40	0	40
RNGR+BHTSA	0.29	1.79	12	11	13
BHANDARDRA	0.50	6.67	21	20	30
ELDARY	0.25	2.96	14	0	0
SMLHY PTN	0.61	5.37	32	22	25
GHATGHAR	0.78	7.66	235	0	0
Total	4.40	43.76			248
Wind					
MalharPeth	0.12	1.05			
Vankuswadi	0.49	2.58			
ATIT	0.05	0.25			
Kale	0.18	0.52			
Satara	3.30	26.06			
Shirala	0.29	1.14			
K Mahankal	0.03	0.23			
Supa	0.07	0.55			
Vita	1.14	7.64			
Dondaicha	3.45	27.55			
Sakri	0.42	3.43			
Nandurbar	0.36	2.74			
Khandke	0.10	0.88			
Khaparale	0.49	2.34			
Total	10.48	76.95			
CPP					
JSW JAIGAD	20.01	179.50	905	734	825
WARDHA	2.69	24.30	114	110	115
Adani	40.69	367.97	1830	1479	1853
Other CPPs	20.49	186.50			710
Total	83.88	758.27			3503
SOLAR					
Total	0.93	8.30			
Total	0.93	8.30			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.35	98.42	491	318	500
Trombay 6	3.84	34.91	212	153	500
Trombay 7A	2.77	24.25	123	114	120
Trombay 7B	1.60	14.16	69	66	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.62	32.33	471	0	447
Total	23.18	204.07			1627
REL					
1&2	11.98	109.00	520	391	500
Total	11.98	109.00			500
Cent Sect					
Share					5956
Total					5956
MS PG CL	Thermal	125.25	1130.35		5656
	Thml+Gas	138.92	1242.63		6246
	Hydro	6.89	108.96		1418
	Total	145.82	1351.59		7664
State Total		276.63	2509.67		19250

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 09/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	5117	288	604	6009	541	3606	0	5119	5350	-1170	-1184	14322	104	14426	2588	17014	50.01
2	5003	232	605	5840	674	3562	0	4982	4958	-1022	-1028	14006	268	14274	2361	16635	50.03
3	4915	173	585	5673	583	3381	0	4893	5128	-896	-1062	13703	273	13976	2217	16193	50.02
4	5027	173	585	5785	503	3194	0	4534	5142	-818	-1068	13556	279	13835	2114	15949	50.08
5	5098	178	585	5861	523	3237	0	4505	4700	-789	-1009	13312	295	13607	2057	15664	50.11
6	5272	183	585	6040	333	3283	0	4709	4821	-839	-987	13490	396	13886	2073	15959	50.07
7	5409	178	610	6197	254	3322	2	4766	5040	-870	-883	13932	598	14530	2057	16587	50.09
8	5371	173	607	6151	143	3343	21	5044	5044	-936	-971	13731	685	14416	2153	16569	50.09
9	5264	218	602	6084	96	3490	51	5206	4839	-1117	-1121	13439	787	14226	2448	16674	49.97
10	5168	316	590	6074	73	3421	75	5620	5984	-1401	-1355	14272	584	14856	2824	17680	49.93
11	5068	419	588	6075	59	3581	98	6008	5781	-1517	-1475	14146	615	14761	3124	17885	50.00
12	5129	280	585	5994	57	3539	140	6110	5980	-1470	-1451	14285	684	14969	3218	18187	49.99
13	5263	233	586	6082	45	3189	133	5681	6001	-1428	-1447	14029	791	14820	3249	18069	49.95
14	5545	250	575	6370	66	3638	141	5301	5444	-1508	-1407	14258	706	14964	3175	18139	49.96
15	5613	442	569	6624	172	3623	103	5180	5207	-1516	-1453	14276	511	14787	3246	18033	49.89
16	5322	497	592	6411	285	3627	70	5320	5553	-1495	-1418	14528	417	14945	3252	18197	49.92
17	5225	630	595	6450	383	3658	66	4848	4996	-1439	-1395	14180	348	14528	3240	17768	49.94
18	5240	222	515	5977	530	3544	23	4589	4552	-1332	-1463	13186	160	13346	3082	16428	50.04
19	5258	259	513	6030	684	3483	4	4032	4243	-1248	-1314	13152	82	13234	2928	16162	49.99
20	5224	593	513	6330	836	3614	0	4899	4943	-1363	-1349	14418	126	14544	2925	17469	49.92
21	5123	280	512	5915	885	3580	0	4951	5028	-1373	-1316	14134	97	14231	2773	17004	49.95
22	5101	307	512	5920	870	3622	0	4586	4775	-1338	-1288	13939	76	14015	2751	16766	50.02
23	5213	188	536	5937	954	3681	0	4683	4954	-1290	-1255	14316	69	14385	2653	17038	49.97
24	5278	182	530	5990	933	3658	0	4695	4891	-1222	-1231	14286	46	14332	2580	16912	49.98
MUs	125.25	6.89	13.68	145.82	10.48	83.88	0.93	120.26	123.35	-29.40	-29.93	334.90	9.00	343.89	65.09	408.98	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 09/May/2014

Position as on 6.30 Hrs of 10/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 3	210	05/05/2014	06.10		Continued.	GCR Building Caught Fire.	
CPP VIPL	300	08/05/2014	05.30		Continued.	(U-2)Condenser 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	
Parli Unit 7	250	09/05/2014	07.36	09/05/2014	12.02	Loss of 220KV DC	
Khaparkheda Unit 2	210	10/05/2014	05.04		Continued.	ID Fan Problem	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 09/May/2014

Position as on 6.30 Hrs of 10/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	09/05/2014	08.04	Replacement of Pentagraph
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 - II	09/05/2014	03.19	09/05/2014	08.45	Over Voltage
Kolhapur - Mapusa - I	09/05/2014	16.58		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.
Koradi-Khaparkheda-I	09/05/2014	09.43	09/05/2014	13.38	To connect Jumper
400/220 KV 315 MVA ICT - I @ Aurangabad	09/05/2014	11.52	09/05/2014	17.45	Q.M.work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Baramati-Kurkumb	08/05/2014	10.14	09/05/2014	19.10	Insulator Replacement Work.
Kalwa - Borivali	09/05/2014	06.15	09/05/2014	08.10	Removal of Bird Nest
Pedambe - Oni	09/05/2014	08.55	09/05/2014	17.35	LA replacement work
Mudshingi-Talangade - I	09/05/2014	10.18	09/05/2014	13.10	Q.M.Work
Aurangabad - Padegaon - I.	09/05/2014	11.04	09/05/2014	15.56	Red Hot
Mahad-Pasco	09/05/2014	11.12	09/05/2014	18.23	Replacement of LA
Wadkhal-IPCL-II	09/05/2014	11.13	09/05/2014	14.16	Hot Spot
Butibori-Abhijeet ckt.	09/05/2014	15.56	09/05/2014	19.45	Testing of Distance Relay
Dhule - Malegaon	09/05/2014	17.54	09/05/2014	19.14	Tan Delta Measurement
Chalisgaon - Malegaon	09/05/2014	19.52	09/05/2014	21.09	Tan Delta measurement
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	08/05/2014	17.36	09/05/2014	07.52	Over Voltage
Bhusawal- Aurangabad	08/05/2014	18.09	09/05/2014	08.57	Over Voltage
Karad - Kolhapur - II	09/05/2014	16.36		Continued.	Over Voltage
Bhusawal- Aurangabad	09/05/2014	17.12		Continued.	Over Voltage
Karad-Jaigad I	09/05/2014	17.26		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 : 132KV			Outage Type TRIPPED		
Chinchwad-Rahatri	09/05/2014	18.23	09/05/2014	18.33	Distance Protection
Padegaon-Waluj-I	09/05/2014	19.49	09/05/2014	20.20	Distance Protection
Padegaon - waluj - II	09/05/2014	19.49	09/05/2014	22.05	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 10/May/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	148
Unit 7	210	140
	620	288
Bhusawal		
Unit 2	210	134
Unit 3	210	137
Unit 4	500	317
Unit 5	500	300
	1420	888
Parli		
Unit 3	210	0
Unit 4	210	160
Unit 5	210	161
Unit 6	250	185
Unit 7	250	180
	1130	686
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	0
Unit 4	210	180
Unit 5	500	400
Unit 6	500	380
Unit 7	500	350
	2340	1610
Paras		
Unit 3	250	160
Unit 4	250	220
	500	380
Khaparkheda		
Unit 1	210	190
Unit 2	210	0
Unit 3	210	210
Unit 4	210	0
Unit 5	500	500
	1340	900
Nasik		
Unit 3	210	190
Unit 4	210	185
Unit 5	210	190
	630	565
Uran		
All Units	852	620
	852	620
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	0
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	2
BHIRA T.R.	80	40
RNGR+BHTSA	20	12
BHANDARDRA	45	21
ELDARY	23	10
SMLHY PTN	12	0
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	825
WARDHA	405	108
Adani	2640	1851
Other CPPs	300	735
	4545	3519
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	5565
	3455	5565

	21940	18528
--	--------------	--------------