



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Sep/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 04/Sep/2014 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	94.170	353.555	1) Gujrat	-4.256	-21.624
2) Hydro	9.548	41.538	2) Madhya Pradesh	16.085	63.020
3) Gas	10.328	40.439	3) Chattisgarh	6.210	29.120
Total MSGENCO	114.046	435.532	4) Maharashtra Net	81.444	336.935
B) 1) JSW JAIGAD	27.904	108.777	(Incl. 765kV Solapur-Raichur)	-4.314	-22.007
2) WPCL	4.062	15.417	5) Goa	-6.234	-23.026
3) ADANI	10.908	39.852	6) TAPS 1&2 Injection	7.499	29.766
4) Other CPP / IPP	12.736	51.982	7) RGPPL Injection	0.000	0.000
5) Wind Generation	36.881	136.805	8) Pench (Excess)	-1.099	-3.304
6) PENCH (MS)	1.099	3.304	# Total Cent. Sector	99.649	410.887
7) SOLAR	0.890	2.606	F) Other Exchanges		
C) 1) TPCL Thermal	10.901	43.449	1) With TPCL (Excess)	-26.095	-101.159
2) TPCL Hydro	8.266	30.363	G) Bilateral Power *		
TOTAL TPCL	19.167	73.812	1) MSEDCL Bilateral	25.336	103.103
3) REL Thermal	12.557	49.439	Include PX	1.389	-1.983
D) STATE			2) MUMBAI Bilateral	23.440	79.557
1) Thermal (A1+C1+C3)	117.628	446.443	Include PX	7.827	20.955
2) Hydro (A2+B6+C2)	18.913	75.205	3) MUMBAI Schedule	24.154	82.731
3) Gas (A3)	10.328	40.439	H) ENERGY CATERED (MUs)		
4) Wind (B5)	36.881	136.805	1) MSEDCL	282.080	1104.003
5) CPP/IPP (B1+B2+B3+B4)	55.610	216.028	2) TPCL	37.118	142.940
6) SOLAR (B7)	0.890	2.606	3) REL	20.700	81.469
TOTAL STATE	240.250	917.526	TOTAL STATE	339.898	1328.412

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4141	3729	3851
MSGENCO Hydro	396	928	129
MSGENCO Gas	415	455	418
MSGENCO Total Generation	4952	5112	4398
Central Sector Receipt	4896	5029	3467
WIND	1774	1518	1202
CPP / IPP	2326	2397	2350
SOLAR	113	0	0
Exchange with Mumbai	-1285	-1213	-768
MSEDCL DEMAND MET	12823	12890	10683
Load Shedding	51	56	51
MSEDCL DEMAND	12874	12946	10734
TPCL GENERATION	884	997	396
R-INFRA GENERATION	524	523	522
TPCL+R-INFRA DEMAND	2693	2733	1686
STATE DEMAND MET	15516	15623	12369
STATE DEMAND	15567	15679	12420
Frequency (Hz)	49.86	49.84	50.08

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.24 Hz at 13.01 Hrs	49.6 Hz at 18.42 Hrs	49.94	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 04/Sep/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	2.82	12.17	135	101	130
Unit 7	2.65	11.35	130	90	115
Total	5.47	23.52			245
Bhusawal					
Unit 2	0.00	0.36	0	0	0
Unit 3	1.87	11.15	150	0	140
Unit 4	0.00	0.00	0	0	0
Unit 5	8.84	35.14	435	295	450
Total	10.72	46.65			590
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.71	9.51	160	146	160
Unit 6	5.12	11.68	245	189	230
Unit 7	4.58	7.68	223	107	200
Total	13.42	28.87			590
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.07	11.58	142	95	150
Unit 3	0.50	8.85	158	0	0
Unit 4	3.70	11.70	165	144	180
Unit 5	7.40	27.34	400	240	250
Unit 6	6.67	24.74	335	224	300
Unit 7	6.84	24.46	361	223	250
Total	28.18	108.67			1130
Paras					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.64	17.32	182	0	250
Total	3.64	17.32			250
Khaparkheda					
Unit 1	3.34	13.22	150	115	170
Unit 2	3.28	13.46	150	115	170
Unit 3	3.55	13.93	160	138	170
Unit 4	3.44	13.87	156	129	170
Unit 5	7.63	29.58	340	290	350
Total	21.24	84.06			1030
Nasik					
Unit 3	3.78	14.66	175	140	170
Unit 4	3.72	14.41	164	146	180
Unit 5	4.00	15.40	184	149	190
Total	11.50	44.47			540
Uran					
All Units	10.33	40.44	490	410	430
Total	10.33	40.44			430
PENCH (MS)					
Pench (MS)	1.10	3.30	52	33	
Total	1.10	3.30			
Koyna					
Stage 1-2	2.78	9.44	405	40	600
Stage 4	0.65	7.78	407	0	250
Stage 3	1.28	7.31	290	0	320
Kovna 12&4 Total	3.43	17.22			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	4.70	24.54			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.94	2.08	61	0	20
TILLARI	0.80	2.52	64	0	63
BHTGR/VEER	0.19	0.77	8	8	5
BHIRA T.R.	0.48	1.94	80	0	80
RNGR+BHTSA	0.06	0.17	3	2	2
BHANDARDRA	0.34	1.56	15	14	12
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.26	5.08	61	49	0
GHATGHAR	0.78	2.88	240	0	0
Total	4.84	17.00			182
Wind					
MalharPeth	1.08	4.55			
Vankuswadi	1.89	7.75			
ATIT	0.33	1.29			
Kale	0.64	3.16			
Satara	17.71	74.25			
Shirala	0.94	4.40			
K Mahankal	0.12	0.62			
Supa	0.42	5.61			
Vita	4.24	13.73			
Dondaicha	4.97	7.96			
Sakri	0.87	1.76			
Nandurbar	0.82	2.29			
Khandke	1.86	6.57			
Khaparale	1.00	2.86			
Total	36.88	136.80			
CPP					
JSW JAIGAD	27.90	108.78	1211	1016	1100
WARDHA	4.06	15.42	179	163	175
Adani	10.91	39.85	628	380	432
Other CPPs	12.74	51.98			515
Total	55.61	216.03			2222
SOLAR					
Total	0.89	2.61			
Total	0.89	2.61			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	14.70	0	0	0
Trombay 6	6.70	12.46	483	154	500
Trombay 7A	2.63	10.16	124	79	120
Trombay 7B	1.56	6.13	70	56	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	8.27	30.36	459	72	447
Total	19.17	73.81			1127
REL					
1&2	12.56	49.44	524	522	500
Total	12.56	49.44			500
Cent Sect					
Share					4919
Total					4919
MS PG CL	Thermal	94.17	353.56		4375
	Thml+Gas	104.50	393.99		4805
	Hydro	9.55	41.54		1352
	Total	114.05	435.53		6157
State Total		240.25	917.53		14925

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/Sep/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	3933	521	421	4875	1164	2369	0	3364	3540	-674	-876	11119	78	11197	2008	13205	49.96
2	3857	469	419	4745	1211	2414	0	3220	3154	-629	-780	10791	51	10842	1831	12673	49.98
3	3941	299	421	4661	1248	2392	0	3208	3372	-609	-815	10891	51	10942	1735	12677	50.01
4	3851	129	418	4398	1202	2350	0	3212	3467	-607	-768	10683	51	10734	1686	12420	50.08
5	3861	119	417	4397	1221	2360	0	3504	3917	-607	-765	11177	51	11228	1685	12913	50.04
6	3900	279	416	4595	1176	2344	0	3641	4046	-696	-761	11447	53	11500	1783	13283	49.90
7	4008	761	419	5188	1253	2367	9	3659	4229	-750	-837	12256	54	12310	1923	14233	49.93
8	4180	808	418	5406	1386	2319	40	4054	4245	-903	-919	12524	54	12578	2075	14653	50.01
9	4170	480	419	5069	1690	2360	71	4620	4700	-1037	-1108	12829	53	12882	2374	15256	49.94
10	4141	396	415	4952	1774	2326	113	4853	4896	-1238	-1285	12823	51	12874	2693	15567	49.86
11	4053	311	411	4775	1784	2330	117	4888	4705	-1397	-1382	12376	51	12427	2951	15378	49.94
12	4018	240	410	4668	1917	2298	129	4317	4359	-1432	-1355	12063	52	12115	3002	15117	49.90
13	4124	199	421	4744	2018	2198	98	4137	3898	-1284	-1353	11646	104	11750	2973	14723	50.01
14	4094	180	421	4695	1984	2075	92	3976	3829	-1149	-1283	11440	53	11493	2833	14326	50.00
15	3955	185	420	4560	1786	2123	87	4182	4125	-1142	-1297	11431	53	11484	2854	14338	49.89
16	3890	266	417	4573	1805	2220	81	4148	3974	-1152	-1288	11412	52	11464	2847	14311	49.95
17	3706	368	440	4514	1817	2149	36	4165	3871	-1218	-1253	11181	52	11233	2790	14023	49.90
18	3686	301	450	4437	1608	2079	14	4495	4003	-1198	-1252	10936	52	10988	2751	13739	49.93
19	3779	290	490	4559	1461	2075	3	4746	4753	-1085	-1238	11661	55	11716	2695	14411	49.80
20	3729	928	455	5112	1518	2397	0	4861	5029	-1102	-1213	12890	56	12946	2733	15679	49.84
21	3697	801	454	4952	1592	2513	0	4615	4790	-1096	-1164	12735	54	12789	2623	15412	49.93
22	3752	649	448	4849	1487	2502	0	4252	4543	-1083	-1061	12362	53	12415	2465	14880	50.05
23	3913	383	449	4745	1505	2554	0	4204	4297	-1101	-1026	12117	52	12169	2329	14498	49.70
24	3932	186	459	4577	1476	2496	0	4074	3907	-964	-1016	11492	52	11544	2180	13724	50.06
MUs	94.17	9.55	10.33	114.05	37.08	55.61	0.89	98.40	99.65	-24.15	-26.10	282.28	1.34	283.62	57.82	341.44	49.94

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 04/Sep/2014

Position as on 6.30 Hrs of 05/Sep/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 4	500	06/08/2014	13.56		Continued.	converted to AOH from 7/08/14	15/09/2014
Paras Unit 3	250	11/08/2014	14.08		Continued.	Annual Overhauling	
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 Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem. (U-1).	
Koradi Unit 5	200	17/06/2014	11.53		Continued.	Coal Shortage	
Parli Unit 4	210	29/06/2014	10.19		Continued.	Water Shortage	
CPP IPL U-2	270	23/08/2014	23.15		Continued.	Coal Shortage.	
CPP Adani U-4	660	27/08/2014	12.41		Continued.	Coal Shortage.	
Chandrapur Unit 1	210	28/08/2014	07.15		Continued.	BLR T/L.	
CPP Adani U-3	660	29/08/2014	17.31		Continued.	Billing issues between Adani and MSEDCL.	
CPP Adani U-2	660	29/08/2014	22.12		Continued.	Billing issues between Adani and MSEDCL.	
Uran Unit 7	108	31/08/2014	06.45		Continued.	Gas Shortage.	
Bhusawal Unit 2	210	01/09/2014	03.01		Continued.	Flame Failure.	
CPP VIPL U-2	300	01/09/2014	11.36		Continued.	Coal feeding problem.	
Tata Trombay 5	500	02/09/2014	09.45	05/09/2014	03.28	Auxiliary supply failure	
Chandrapur Unit 3	210	04/09/2014	03.13		Continued.	Boiler Tube Leakage	
Bhusawal Unit 3	210	04/09/2014	14.10		Continued.	Flame Failure	
Paras Unit 4	250	04/09/2014	18.52	04/09/2014	21.36	Bus Bar Prot.operated	
Uran Unit 8	108	04/09/2014	19.33		Continued.	Gas Shortage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Sep/2014

Position as on 6.30 Hrs of 05/Sep/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha-Bhoisor (PGCIL)	04/09/2014	11.18	04/09/2014	17.42	Insulator replacement work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dabhol-Nagothane - II	19/08/2014	13.54		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	03/09/2014	18.15		Continued.	Over Voltage
Kolhapur - Mapusa - I	03/09/2014	20.08		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	03/09/2014	23.58	04/09/2014	06.33	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Chakan-Talegaon(PG)	05/09/2014	03.02	05/09/2014	07.01	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/200 KV 500 MVA ICT - II Main Bay(414) @ Deepnagar	26/08/2014	12.50		Continued.	Bus CT Errection Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
New Koyna - Dabhol - I	25/08/2014	01.25		Continued.	Over Voltage.
Bhusawal- Aurangabad	29/08/2014	16.19	04/09/2014	10.56	Over Voltage.
Karad-Jaigad I	02/09/2014	18.04		Continued.	Over Voltage.
Akola-II - Taptithanda	03/09/2014	22.57	04/09/2014	09.09	Over Voltage
Lonikand- Koyna Stage IV	03/09/2014	23.43	04/09/2014	08.27	Over Voltage
Bhusawal- Aurangabad	04/09/2014	12.11		Continued.	Over Voltage
Lonikand- Koyna Stage IV	04/09/2014	23.15		Continued.	Over Voltage
Akola-II - Taptithanda	05/09/2014	00.06		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Kolhapur - I	30/08/2014	01.38	04/09/2014	08.30	Over Voltage.
Karad - Kolhapur - II	04/09/2014	03.37		Continued.	Over Voltage
Deepnagar-Tapitatanda	05/09/2014	00.06		Continued.	Over Voltage
Aurangabad - Taptithanda	05/09/2014	00.06	05/09/2014	01.10	Over Voltage
Lonikand - Chakan	05/09/2014	03.02		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Aurangabad-Jalna-II	02/07/2014	14.33		Continued.	Heavy Rain @ Aurangabad S/S load Trimming Schem Operated,Ckt Charged from Chikhli End @ 15.15 Hrs DT 2.7.14.
220/100 KV,200MVA ICT - I at Padgha	18/07/2014	02.37		Continued.	Diff.Prot
Paras - Akola - I	04/09/2014	18.52	04/09/2014	19.19	Bus Bar Prot.Operated
Chikali - Paras - I	04/09/2014	18.52	04/09/2014	19.20	Bus Bar Prot.Operated at Paras
Paras-Balapur-I	04/09/2014	18.52	04/09/2014	19.21	Bus Bar Prot.Operated
Paras-Balapur-IV	04/09/2014	18.52	04/09/2014	19.21	Bus Bar Prot.Operated
Main Bus-I at Paras	04/09/2014	18.52	04/09/2014	19.18	Bus Bar Prot.Operated
220 KV Bus Coupler @ Paras	04/09/2014	18.52	04/09/2014	19.18	Bus Bar Prot.Operated

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/Sep/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	115
Unit 7	210	115
	620	230
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	0
Unit 5	500	450
	1420	450
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	155
Unit 6	250	190
Unit 7	250	190
	1130	535
Chandrapur		
Unit 1	210	0
Unit 2	210	140
Unit 3	210	0
Unit 4	210	170
Unit 5	500	325
Unit 6	500	300
Unit 7	500	300
	2340	1235
Paras		
Unit 3	250	0
Unit 4	250	250
	500	250
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
Unit 5	500	350
	1340	1030
Nasik		
Unit 3	210	170
Unit 4	210	180
Unit 5	210	190
	630	540
Uran		
All Units	852	430
	852	430
PENCH (MS)		
Pench (MS)	53	0
	53	0
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	63
BHTGR/VEER	21	8
BHIRA T.R.	80	80
RNGR+BHTSA	20	3
BHANDARDRA	45	14
ELDARY	23	0
SMLHY PTN	12	14
GHATGHAR	250	0
	611	182
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	1100
WARDHA	405	175
Adani	2640	645
Other CPPs	300	507
	4545	2427
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	4890
	3455	4890

	21940	15496
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