



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

State Load Dispatch Center, Airoli

Daily system Report

for

03/Sep/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 03/Sep/2014 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	93.679	259.385	1) Gujrat	-5.236	-17.368
2) Hydro	13.679	31.990	2) Madhya Pradesh	16.419	46.935
3) Gas	10.019	30.111	3) Chattisgarh	6.490	22.910
Total MSGENCO	117.377	321.486	4) Maharashtra Net	81.604	255.491
B) 1) JSW JAIGAD	28.238	80.873	(Incl. 765kV Solapur-Raichur)	-5.385	-17.693
2) WPCL	4.288	11.355	5) Goa	-6.039	-16.792
3) ADANI	10.090	28.944	6) TAPS 1&2 Injection	7.447	22.267
4) Other CPP / IPP	13.077	39.246	7) RGPPL Injection	0.000	0.000
5) Wind Generation	32.067	99.924	8) Pench (Excess)	-0.856	-2.205
6) PENCH (MS)	0.856	2.205	# Total Cent. Sector	99.829	311.238
7) SOLAR	0.804	1.716	F) Other Exchanges		
C) 1) TPCL Thermal	9.837	32.548	1) With TPCL (Excess)	-24.688	-75.064
2) TPCL Hydro	10.120	22.097	G) Bilateral Power *		
TOTAL TPCL	19.957	54.645	1) MSEDCL Bilateral	25.385	77.766
3) REL Thermal	12.551	36.882	Include PX	-2.344	-3.372
D) STATE			2) MUMBAI Bilateral	20.061	56.117
1) Thermal (A1+C1+C3)	116.067	328.815	Include PX	6.244	13.129
2) Hydro (A2+B6+C2)	24.655	56.292	3) MUMBAI Schedule	20.061	58.577
3) Gas (A3)	10.019	30.111	H) ENERGY CATERED (MUs)		
4) Wind (B5)	32.067	99.924	1) MSEDCL	281.938	821.923
5) CPP/IPP (B1+B2+B3+B4)	55.693	160.418	2) TPCL	36.547	105.822
6) SOLAR (B7)	0.804	1.716	3) REL	20.646	60.769
TOTAL STATE	239.305	677.276	TOTAL STATE	339.131	988.514

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3887	3955	3779
MSGENCO Hydro	1023	1760	116
MSGENCO Gas	418	425	416
MSGENCO Total Generation	5328	6140	4311
Central Sector Receipt	5213	4315	2940
WIND	1174	1368	1352
CPP / IPP	2262	2353	2362
SOLAR	71	0	0
Exchange with Mumbai	-1442	-1243	-546
MSEDCL DEMAND MET	12632	12980	10419
Load Shedding	50	54	50
MSEDCL DEMAND	12682	13034	10469
TPCL GENERATION	963	1011	559
R-INFRA GENERATION	521	523	524
TPCL+R-INFRA DEMAND	2926	2777	1629
STATE DEMAND MET	15558	15757	12048
STATE DEMAND	15608	15811	12098
Frequency (Hz)	49.97	49.85	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.28 Hz at 13.02 Hrs	49.62 Hz at 18.54 Hrs	49.93	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 03/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	3.18	9.35	148	125	155
Unit 7	2.93	8.70	150	90	145
Total	6.10	18.04			300
Bhusawal					
Unit 2	0.00	0.36	0	0	0
Unit 3	2.96	9.28	135	110	150
Unit 4	0.00	0.00	0	0	0
Unit 5	8.31	26.30	395	285	500
Total	11.28	35.93			650
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.61	5.80	158	140	150
Unit 6	5.08	6.56	245	191	200
Unit 7	2.62	3.10	181	0	100
Total	11.31	15.46			450
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.95	8.51	145	107	107
Unit 3	3.06	8.36	157	86	101
Unit 4	2.96	8.00	148	92	120
Unit 5	7.05	19.94	370	225	255
Unit 6	6.12	18.06	320	210	232
Unit 7	5.84	17.62	298	224	247
Total	27.99	80.48			1062
Paras					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.44	13.68	192	171	230
Total	4.44	13.68			230
Khaparkheda					
Unit 1	3.38	9.88	150	125	170
Unit 2	3.34	10.18	165	115	170
Unit 3	3.46	10.38	161	136	170
Unit 4	3.48	10.43	153	140	170
Unit 5	7.50	21.95	345	270	350
Total	21.15	62.82			1030
Nasik					
Unit 3	3.76	10.88	170	120	170
Unit 4	3.67	10.69	173	93	180
Unit 5	3.98	11.39	182	145	190
Total	11.41	32.96			540
Uran					
All Units	10.02	30.11	425	413	430
Total	10.02	30.11			430
PENCH (MS)					
Pench (MS)	0.86	2.20	53	0	
Total	0.86	2.20			
Koyna					
Stage 1-2	2.72	6.67	400	40	530
Stage 4	4.26	7.13	961	0	250
Stage 3	2.15	6.04	240	0	320
Kovna 12&4 Total	6.98	13.80			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	9.13	19.84			1100
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.77	1.14	61	0	0
TILLARI	0.80	1.72	66	0	63
BHTGR/VEER	0.19	0.58	8	7	5
BHIRA T.R.	0.51	1.46	80	0	80
RNGR+BHTSA	0.06	0.12	3	2	0
BHANDARDRA	0.34	1.22	15	14	20
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.29	3.82	61	51	13
GHATGHAR	0.60	2.10	125	0	0
Total	4.54	12.15			181
Wind					
MalharPeth	1.10	3.47			
Vankuswadi	1.75	5.86			
ATIT	0.34	0.96			
Kale	0.76	2.52			
Satara	18.14	56.54			
Shirala	1.04	3.46			
K Mahankal	0.15	0.50			
Supa	0.20	5.19			
Vita	4.84	9.50			
Dondaicha	0.72	2.99			
Sakri	0.36	0.89			
Nandurbar	0.46	1.48			
Khandke	1.43	4.70			
Khaparale	0.79	1.87			
Total	32.07	99.92			
CPP					
JSW JAIGAD	28.24	80.87	1210	1042	1100
WARDHA	4.29	11.36	193	170	
Adani	10.09	28.94	475	335	432
Other CPPs	13.08	39.25			635
Total	55.69	160.42			2167
SOLAR					
Total	0.80	1.72			
Total	0.80	1.72			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	14.70	0	0	0
Trombay 6	5.75	5.75	430	0	500
Trombay 7A	2.55	7.53	125	79	120
Trombay 7B	1.54	4.57	70	55	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	10.12	22.10	471	182	447
Total	19.96	54.64			1127
REL					
1&2	12.55	36.88	525	521	500
Total	12.55	36.88			500
Cent Sect					
Share					4670
Total					4670
MS PG CL	Thermal	93.68	259.38		4262
	Thml+Gas	103.70	289.50		4692
	Hydro	13.68	31.99		1281
	Total	117.38	321.49		5973
State Total		239.30	677.28		14437

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 03/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	3710	177	417	4304	1344	2325	0	3741	3512	-611	-752	10780	76	10856	1943	12799	49.96
2	3782	116	417	4315	1387	2349	0	3291	3214	-508	-608	10684	50	10734	1775	12509	49.92
3	3730	116	417	4263	1439	2355	0	3245	2847	-498	-511	10408	50	10458	1696	12154	49.94
4	3779	116	416	4311	1352	2362	0	3245	2940	-498	-546	10419	50	10469	1629	12098	49.94
5	3832	136	416	4384	1330	2355	0	3429	3452	-498	-616	10905	50	10955	1614	12569	49.99
6	3861	136	416	4413	1291	2367	0	4006	4080	-494	-675	11504	51	11555	1729	13284	49.88
7	3929	373	415	4717	1269	2342	5	4052	4443	-540	-659	12164	52	12216	1888	14104	49.88
8	3866	890	417	5173	1076	2363	35	4172	4432	-630	-785	12334	52	12386	2053	14439	49.95
9	3879	1033	420	5332	1224	2310	67	4438	4632	-758	-1066	12525	51	12576	2378	14954	49.97
10	3905	1110	417	5432	1179	2377	85	4556	4636	-970	-1260	12475	50	12525	2651	15176	49.92
11	3887	1023	418	5328	1174	2262	71	4719	5213	-1134	-1442	12632	50	12682	2926	15608	49.97
12	3854	577	416	4847	1395	2265	85	4541	4691	-1152	-1413	11896	51	11947	2946	14893	49.91
13	3992	353	417	4762	1434	2373	98	4287	4341	-1135	-1342	11693	101	11794	2931	14725	50.00
14	4066	236	419	4721	1450	2183	78	4261	4283	-1091	-1262	11493	51	11544	2794	14338	50.02
15	4096	236	420	4752	1456	2133	114	4213	4459	-1064	-1302	11652	51	11703	2808	14511	49.92
16	4068	195	422	4685	1478	2260	105	4430	4278	-1047	-1289	11564	50	11614	2800	14414	49.96
17	3978	198	413	4589	1543	2227	43	4410	4294	-1034	-1249	11494	50	11544	2757	14301	49.88
18	3891	246	414	4551	1520	2240	16	4362	4352	-1031	-1230	11496	50	11546	2722	14268	49.81
19	3844	673	418	4935	1413	2356	2	4304	4613	-1034	-1232	12134	53	12187	2727	14914	49.78
20	3955	1760	425	6140	1368	2353	0	4353	4315	-926	-1243	12980	54	13034	2777	15811	49.85
21	3994	1335	418	5747	1266	2366	0	4322	4508	-906	-1134	12800	52	12852	2633	15485	49.89
22	3966	1062	418	5446	1257	2377	0	4108	4262	-909	-1088	12307	51	12358	2505	14863	49.99
23	3923	906	416	5245	1194	2381	0	3856	4120	-851	-1026	11967	50	12017	2335	14352	49.96
24	3892	676	417	4985	1228	2412	0	3719	3912	-742	-958	11632	50	11682	2179	13861	50.00
MUs	93.68	13.68	10.02	117.38	32.07	55.69	0.80	98.06	99.83	-20.06	-24.69	281.94	1.30	283.23	57.20	340.43	49.93

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 03/Sep/2014

Position as on 6.30 Hrs of 04/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	
Tata Trombay 6	500	31/07/2014	21.34	03/09/2014	02.01	Economic Shut down.	
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	09.44		Continued.	Auxiliary supply failure.	
Parli Unit 7	250	03/09/2014	07.28	03/09/2014	12.15	Generator Prot.operated	
Koyna Unit 6	75	03/09/2014	10.06	03/09/2014	19.11	Maint.work	
Chandrapur Unit 3	210	04/09/2014	03.13		Continued.	Boiler Tube Leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Sep/2014

Position as on 6.30 Hrs of 04/Sep/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		
Chandrapur-Bhadravati II	03/09/2014	18.22	03/09/2014	19.54	R phase CT secondary Ckt found open at C'Pur end
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Nasik-Navsari-I	03/09/2014	13.18	03/09/2014	17.15	Outage at NVSRY end
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dabhol-Nagothane - II	19/08/2014	13.54		Continued.	Over Voltage.
Kolhapur-Mapusa-II	26/08/2014	16.28	03/09/2014	10.05	Over Voltage.
Dhule-Sar'Sarovar - I	31/08/2014	22.36	03/09/2014	10.18	Over Voltage.
Padgha-Tarapur - II	03/09/2014	09.17	03/09/2014	18.40	Outage at Tarapur end
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		Continued.	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.
Lonikand II - VSNL	03/09/2014	11.10	03/09/2014	13.15	Hot Spot
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Temghar-Colourchem	03/09/2014	06.16	03/09/2014	08.10	Red hot spot at Loc.no.36 B.
220/132 KV,200 MVA ICT-II At Chalisgaon	03/09/2014	14.21	03/09/2014	17.32	CTR Fire detection alarm
220/100KV 200MVA T/F - I at Apta	03/09/2014	15.54	03/09/2014	17.56	Hot Spot
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		Continued.	Over Voltage.
Karad-Jaigad I	02/09/2014	18.04		Continued.	Over Voltage.
Akola-II - Taptithanda	02/09/2014	22.03	03/09/2014	08.55	Over Voltage.
Lonikand- Koyna Stage IV	02/09/2014	23.54	03/09/2014	07.10	Over Voltage
Akola-II - Taptithanda	03/09/2014	22.57		Continued.	Over Voltage
Lonikand- Koyna Stage IV	03/09/2014	23.43		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Kolhapur - I	30/08/2014	01.38		Continued.	Over Voltage.
Karad - Kolhapur - II	04/09/2014	03.37		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
Voltage Level : 132KV			Outage Type TRIPPED		
Mukhed-IND Bharat	01/09/2014	23.20	03/09/2014	16.07	Sparking on LA at Ind Bharat end.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 04/Sep/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	130
Unit 7	210	115
	620	245
Bhusawal		
Unit 2	210	0
Unit 3	210	140
Unit 4	500	0
Unit 5	500	450
	1420	590
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	160
Unit 6	250	230
Unit 7	250	200
	1130	590
Chandrapur		
Unit 1	210	0
Unit 2	210	150
Unit 3	210	0
Unit 4	210	180
Unit 5	500	250
Unit 6	500	300
Unit 7	500	250
	2340	1130
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	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	0
VTRNA	60	20

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	63
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	2
BHANDARDRA	45	12
ELDARY	23	0
SMLHY PTN	12	0
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	432
Other CPPs	300	515
	4545	2222
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	500
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	4919
	3455	4919

	21940	14925
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