



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

State Load Dispatch Center, Airoli

Daily system Report

for

17/Sep/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 17/Sep/2014 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	106.604	1511.697	1) Gujrat	10.468	15.913
2) Hydro	5.035	315.042	2) Madhya Pradesh	14.080	245.102
3) Gas	10.779	164.597	3) Chattisgarh	6.800	111.420
Total MSGENCO	122.418	1991.336	4) Maharashtra Net	101.077	1439.797
B) 1) JSW JAIGAD	26.510	448.609	(Incl. 765kV Solapur-Raichur)	-1.595	-71.807
2) WPCL	2.101	62.909	5) Goa	-6.502	-103.534
3) ADANI	27.750	230.473	6) TAPS 1&2 Injection	7.368	126.006
4) Other CPP / IPP	16.796	227.952	7) RGPPL Injection	0.000	0.000
5) Wind Generation	11.704	452.563	8) Pench (Excess)	-0.330	-10.366
6) PENCH (MS)	0.330	10.366			
7) SOLAR	1.076	13.092	# Total Cent. Sector	132.961	1824.338
C) 1) TPCL Thermal	15.118	248.549	F) Other Exchanges		
2) TPCL Hydro	3.849	76.092	1) With TPCL (Excess)	-27.710	-421.585
TOTAL TPCL	18.967	324.641	G) Bilateral Power *		
3) REL Thermal	10.284	207.438	1) MSEDCL Bilateral	31.531	374.206
D) STATE			Include PX	5.470	-7.756
1) Thermal (A1+C1+C3)	132.006	1967.684	2) MUMBAI Bilateral	26.300	361.229
2) Hydro (A2+B6+C2)	9.214	401.500	Include PX	1.171	69.720
3) Gas (A3)	10.779	164.597	3) MUMBAI Schedule	26.367	365.738
4) Wind (B5)	11.704	452.563	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	73.157	969.943	1) MSEDCL	313.936	4840.053
6) SOLAR (B7)	1.076	13.092	2) TPCL	37.584	610.158
TOTAL STATE	237.936	3969.379	3) REL	19.379	343.493
			TOTAL STATE	370.899	5793.704

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4447	4568	4141
MSGENCO Hydro	298	795	64
MSGENCO Gas	445	455	456
MSGENCO Total Generation	5190	5818	4661
Central Sector Receipt	6588	5500	4706
WIND	297	504	726
CPP / IPP	3178	3214	2585
SOLAR	138	0	0
Exchange with Mumbai	-1456	-1139	-816
MSEDCL DEMAND MET	13935	13924	11885
Load Shedding	51	56	50
MSEDCL DEMAND	13986	13980	11935
TPCL GENERATION	955	1136	456
R-INFRA GENERATION	521	521	457
TPCL+R-INFRA DEMAND	2932	2796	1729
STATE DEMAND MET	16867	16720	13614
STATE DEMAND	16918	16776	13664
Frequency (Hz)	50.03	49.88	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.26 Hz at 06.02 Hrs	49.74 Hz at 22.19 Hrs	49.99	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 17/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	3.61	47.02	165	131	160
Unit 7	0.00	44.25	0	0	0
Total	3.61	91.26			160
Bhusawal					
Unit 2	0.00	8.92	0	0	0
Unit 3	1.09	21.24	130	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	9.11	147.26	435	310	450
Total	10.20	177.42			450
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.79	57.88	163	149	160
Unit 6	5.74	81.11	250	202	250
Unit 7	5.50	74.58	248	205	250
Total	15.04	213.57			660
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.67	45.37	133	0	120
Unit 3	2.73	32.43	138	90	140
Unit 4	3.19	50.15	165	108	150
Unit 5	9.34	66.01	425	347	350
Unit 6	7.80	79.57	375	270	300
Unit 7	8.53	107.33	387	272	300
Total	34.26	380.85			1360
Paras					
Unit 3	4.39	32.93	204	152	230
Unit 4	4.74	76.25	213	160	230
Total	9.13	109.18			460
Khaparkheda					
Unit 1	3.58	42.59	155	145	170
Unit 2	3.50	58.07	160	130	170
Unit 3	3.83	64.32	179	148	170
Unit 4	3.63	61.64	161	145	170
Unit 5	7.31	122.21	336	256	350
Total	21.86	348.83			1030
Nasik					
Unit 3	4.18	65.38	195	165	162
Unit 4	4.09	56.73	185	162	162
Unit 5	4.24	68.48	191	166	172
Total	12.51	190.59			496
Uran					
All Units	10.78	164.60	460	431	465
Total	10.78	164.60			465
PENCH (MS)					
Pench (MS)	0.33	10.37	27	0	
Total	0.33	10.37			
Koyna					
Stage 1-2	1.99	74.00	415	35	600
Stage 4	0.32	114.48	200	0	250
Stage 3	0.49	49.57	160	0	320
Kovna 12&4 Total	2.31	188.49			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.80	238.06			1170
Hydro					
KDPH	0.00	7.40	0	0	0
VTRNA	0.00	11.49	0	0	0
TILLARI	0.42	10.29	65	0	66
BHTGR/VEER	0.10	2.52	5	4	5
BHIRA T.R.	0.29	6.57	80	0	80
RNGR+BHTSA	0.00	0.61	0	0	0
BHANDARDRA	0.00	5.39	0	0	10
ELDARY	0.00	0.00	0	0	
SMLHY PTN	0.54	19.11	30	19	16
GHATGHAR	0.88	13.60	125	0	
Total	2.24	76.98			177
Wind					
MalharPeth	0.33	13.84			
Vankuswadi	0.44	22.87			
ATIT	0.08	2.96			
Kale	0.24	9.34			
Satara	3.89	213.37			
Shirala	0.37	12.71			
K Mahankal	0.02	1.49			
Supa	0.01	7.91			
Vita	0.88	44.47			
Dondaicha	3.69	70.81			
Sakri	0.47	10.87			
Nandurbar	0.72	12.67			
Khandke	0.15	16.05			
Khaparale	0.41	13.20			
Total	11.70	452.56			
CPP					
JSW JAIGAD	26.51	448.61	1210	827	1098
WARDHA	2.10	62.91	89	86	87
Adani	27.75	230.47	1220	990	1234
Other CPPs	16.80	227.95			625
Total	73.16	969.94			3044
SOLAR					
Total	1.08	13.09			
Total	1.08	13.09			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.15	144.51	501	319	500
Trombay 6	0.00	36.25	0	0	0
Trombay 7A	2.46	42.04	115	79	120
Trombay 7B	1.51	25.75	67	55	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.85	76.09	457	0	447
Total	18.97	324.64			1127
REL					
1&2	10.28	207.44	524	457	500
Total	10.28	207.44			500
Cent Sect					
Share					5929
Total					5929
MS PG CL	Thermal	106.60	1511.70		4616
	Thml+Gas	117.38	1676.29		5081
	Hydro	5.04	315.04		1347
	Total	122.42	1991.34		6428
State Total		237.94	3969.38		17028

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 17/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	4224	69	455	4748	549	2994	0	5062	4959	-802	-960	12308	77	12385	2080	14465	49.97
2	4164	64	454	4682	632	2840	0	5000	4980	-685	-887	12270	50	12320	1900	14220	49.98
3	4146	64	453	4663	730	2642	0	4914	4705	-677	-870	11895	50	11945	1787	13732	49.97
4	4126	64	455	4645	709	2549	0	4879	4787	-705	-826	11887	50	11937	1739	13676	50.01
5	4141	64	456	4661	726	2585	0	5057	4706	-754	-816	11885	50	11935	1729	13664	50.01
6	4331	74	456	4861	674	2695	0	5193	4988	-721	-765	12477	51	12528	1834	14362	49.97
7	4416	69	458	4943	657	2785	8	5428	5670	-774	-819	13268	56	13324	1971	15295	50.00
8	4434	318	460	5212	500	2930	32	5515	5834	-965	-972	13554	58	13612	2132	15744	50.07
9	4463	579	456	5498	504	3177	83	5777	5695	-1233	-1251	13709	58	13767	2418	16185	50.06
10	4519	418	454	5391	417	3202	113	6162	6210	-1335	-1347	13986	54	14040	2741	16781	50.02
11	4447	298	445	5190	297	3178	138	6263	6588	-1442	-1456	13935	51	13986	2932	16918	50.03
12	4526	378	448	5352	242	3205	132	6263	6242	-1482	-1494	13679	52	13731	2962	16693	50.03
13	4524	133	446	5103	188	3207	126	6305	6545	-1425	-1438	13731	105	13836	2960	16796	49.96
14	4585	88	445	5118	186	3211	161	6191	6140	-1341	-1378	13438	55	13493	2870	16363	50.02
15	4687	84	445	5216	327	3219	119	5986	6073	-1358	-1357	13597	54	13651	2898	16549	49.96
16	4676	160	445	5281	418	3208	87	5942	6013	-1341	-1333	13676	52	13728	2904	16632	49.93
17	4667	194	446	5307	519	3218	52	5716	5939	-1354	-1406	13644	53	13697	2881	16578	50.02
18	4601	99	450	5150	531	3107	23	5127	5209	-1202	-1422	12605	56	12661	2812	15473	50.06
19	4532	273	454	5259	481	3155	2	5306	5316	-1207	-1289	12929	56	12985	2771	15756	49.96
20	4568	795	455	5818	504	3214	0	5621	5500	-1169	-1139	13924	56	13980	2796	16776	49.88
21	4544	338	436	5318	519	3217	0	5675	5363	-1090	-1143	13301	52	13353	2673	16026	50.00
22	4544	124	436	5104	476	3217	0	5431	5471	-1134	-1151	13144	52	13196	2516	15712	49.99
23	4439	184	440	5063	432	3206	0	5088	5089	-1126	-1124	12693	52	12745	2397	15142	49.91
24	4300	104	431	4835	486	3196	0	5049	4939	-1045	-1067	12401	52	12453	2258	14711	49.96
MUs	106.60	5.04	10.78	122.42	11.70	73.16	1.08	132.95	132.96	-26.37	-27.71	313.94	1.35	315.29	58.96	374.25	49.99

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 17/Sep/2014

Position as on 6.30 Hrs of 18/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	
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.	economic shutdown	
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.	
Chandrapur Unit 1	210	28/08/2014	07.15		Continued.	economic shutdown	
Uran Unit 8	108	04/09/2014	19.33		Continued.	Gas Shortage	
Tata Trombay 6	500	11/09/2014	07.58		Continued.	Economic shutdown	
Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	economic shutdown	
CPP WPCL U-4	135	14/09/2014	00.03		Continued.	Seal Air fan problem	
Bhusawal Unit 3	210	14/09/2014	07.15	17/09/2014	13.24	BTL	
Koradi Unit 7	210	15/09/2014	11.22		Continued.	Coal mill broblem.	
CPP Adani U-2	660	15/09/2014	11.28		Continued.	GT Blast(fire on Y-Ph).	
CPP Adani U1	660	16/09/2014	02.01		Continued.	Turbine Vibration.	
Chandrapur Unit 2	210	17/09/2014	22.34		Continued.	Boiler Tube Leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/Sep/2014

Position as on 6.30 Hrs of 18/Sep/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dabhol-Nagothane - II	19/08/2014	13.54	17/09/2014	12.43	Over Voltage.
Kolhapur - Mapusa - I	16/09/2014	16.50		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 315 MVA ICT - II @ Parli	16/09/2014	11.59	17/09/2014	17.19	Retrofitting of NDR by Numerical
400/220 KV 315 MVA ICT-II @ Kharghar	17/09/2014	07.24	17/09/2014	10.47	Oil Leakage
Bableshwar-Aurangabad	17/09/2014	10.05	17/09/2014	13.10	y Phase pantograph clamp crack
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100 KV,200MVA ICT-I at Miraj	12/09/2014	11.10		Continued.	Erection Testing And Commissioning of CR Panel
Hinjewadi - I - Infosys	13/09/2014	08.57		Continued.	Replacement of Damage Bracing
Pirangut - Hinjewadi - II	13/09/2014	09.15		Continued.	Replacement of Damage Bracing
Trombay-Kharghar	17/09/2014	06.03	17/09/2014	08.39	Hot Spot
Bus Section - I @ Tulzapur	17/09/2014	08.39	17/09/2014	13.39	Tan Delta Measurement
Bale - Tuljapur	17/09/2014	11.52	17/09/2014	13.39	Relay Testing
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	15/09/2014	16.41	17/09/2014	09.09	Over Voltage.
Bhusawal- Aurangabad	16/09/2014	17.37		Continued.	Over Voltage
Karad-Jaigad I	16/09/2014	21.50	17/09/2014	08.48	Over Voltage
Lonikand- Koyna Stage IV	16/09/2014	22.37	17/09/2014	06.33	Over Voltage
Karad-Kolhapur-II	17/09/2014	16.38		Continued.	Over Voltage
Dabhol - Nagothane - I	18/09/2014	01.23		Continued.	Over Voltage
Karad-Jaigad I	18/09/2014	01.28		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane	10/09/2014	11.26		Continued.	Distance Prot.
Deepnagar-Tapitatanda	16/09/2014	21.45	17/09/2014	07.26	Over Voltage
Lonikand - Parli - I	17/09/2014	17.35	18/09/2014	06.31	Distance Protection
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

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 18/Sep/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	170
Unit 7	210	0
	620	170
Bhusawal		
Unit 2	210	0
Unit 3	210	125
Unit 4	500	0
Unit 5	500	450
	1420	575
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	160
Unit 6	250	210
Unit 7	250	220
	1130	590
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	125
Unit 4	210	140
Unit 5	500	350
Unit 6	500	300
Unit 7	500	350
	2340	1265
Paras		
Unit 3	250	180
Unit 4	250	210
	500	390
Khaparkheda		
Unit 1	210	153
Unit 2	210	153
Unit 3	210	153
Unit 4	210	153
Unit 5	500	329
	1340	941
Nasik		
Unit 3	210	162
Unit 4	210	162
Unit 5	210	172
	630	496
Uran		
All Units	852	465
	852	465
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	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	65
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	11
GHATGHAR	250	0
	611	161
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	1099
WARDHA	405	89
Adani	2640	1234
Other CPPs	300	675
	4545	3097
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	6003
	3455	6003

	21940	16950
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