



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Sep/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 19/Sep/2014 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	102.199	1714.285	1) Gujrat	6.201	31.234
2) Hydro	16.784	344.254	2) Madhya Pradesh	14.634	277.456
3) Gas	10.889	186.387	3) Chattisgarh	4.390	119.230
Total MSGENCO	129.872	2244.926	4) Maharashtra Net	92.181	1633.710
B) 1) JSW JAIGAD	27.732	502.966	(Incl. 765kV Solapur-Raichur)	-8.523	-86.026
2) WPCL	2.131	67.205	5) Goa	-6.740	-117.003
3) ADANI	29.670	288.733	6) TAPS 1&2 Injection	7.319	140.670
4) Other CPP / IPP	17.044	261.533	7) RGPPL Injection	0.000	0.000
5) Wind Generation	14.626	477.996	8) Pench (Excess)	-0.222	-11.034
6) PENCH (MS)	0.222	11.034	# Total Cent. Sector	117.763	2074.263
7) SOLAR	1.034	15.204	F) Other Exchanges		
C) 1) TPCL Thermal	15.717	279.796	1) With TPCL (Excess)	-25.392	-474.215
2) TPCL Hydro	4.477	84.162	G) Bilateral Power *		
TOTAL TPCL	20.194	363.958	1) MSEDCL Bilateral	21.513	425.704
3) REL Thermal	12.513	232.430	Include PX	0.587	-0.878
D) STATE			2) MUMBAI Bilateral	25.447	412.191
1) Thermal (A1+C1+C3)	130.429	2226.511	Include PX	0.564	70.766
2) Hydro (A2+B6+C2)	21.483	439.450	3) MUMBAI Schedule	25.860	417.232
3) Gas (A3)	10.889	186.387	H) ENERGY CATERED (MUs)		
4) Wind (B5)	14.626	477.996	1) MSEDCL	314.702	5469.645
5) CPP/IPP (B1+B2+B3+B4)	76.577	1120.437	2) TPCL	36.946	684.411
6) SOLAR (B7)	1.034	15.204	3) REL	21.152	386.178
TOTAL STATE	255.038	4465.985	TOTAL STATE	372.800	6540.234

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4474	3945	4055
MSGENCO Hydro	1134	1525	165
MSGENCO Gas	453	450	458
MSGENCO Total Generation	6061	5920	4678
Central Sector Receipt	5727	4962	4483
WIND	253	978	655
CPP / IPP	3201	3204	3022
SOLAR	136	0	0
Exchange with Mumbai	-1425	-1136	-604
MSEDCL DEMAND MET	13976	13955	12234
Load Shedding	50	57	49
MSEDCL DEMAND	14026	14012	12283
TPCL GENERATION	1013	1122	633
R-INFRA GENERATION	521	522	522
TPCL+R-INFRA DEMAND	2959	2780	1759
STATE DEMAND MET	16935	16735	13993
STATE DEMAND	16985	16792	14042
Frequency (Hz)	49.93	49.87	49.90

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 18:01 Hrs	49.61 Hz at 04:52 Hrs	49.9	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 19/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	3.48	53.79	167	123	170
Unit 7	2.84	47.08	160	25	150
Total	6.32	100.87			320
Bhusawal					
Unit 2	0.00	8.92	0	0	0
Unit 3	2.99	27.14	135	115	125
Unit 4	0.00	0.00	0	0	0
Unit 5	7.94	163.58	425	285	450
Total	10.94	199.64			575
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.78	65.44	163	151	160
Unit 6	4.92	91.54	246	149	200
Unit 7	4.44	84.36	209	159	200
Total	13.14	241.34			560
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	45.37	0	0	0
Unit 3	3.11	38.40	145	111	130
Unit 4	3.66	57.13	172	120	150
Unit 5	7.46	81.81	420	0	400
Unit 6	7.77	94.78	370	255	320
Unit 7	7.24	122.24	360	218	300
Total	29.24	439.72			1300
Paras					
Unit 3	4.21	41.53	208	146	180
Unit 4	4.03	84.44	209	106	125
Total	8.24	125.97			305
Khaparkheda					
Unit 1	3.79	49.76	170	140	170
Unit 2	3.61	64.84	180	120	170
Unit 3	3.78	71.60	170	145	170
Unit 4	3.67	68.82	162	144	170
Unit 5	7.50	137.10	347	275	350
Total	22.35	392.11			1030
Nasik					
Unit 3	4.02	73.44	195	160	172
Unit 4	3.97	64.70	183	156	172
Unit 5	4.00	76.50	188	160	172
Total	11.99	214.64			516
Uran					
All Units	10.89	186.39	465	434	465
Total	10.89	186.39			465
PENCH (MS)					
Pench (MS)	0.22	11.03	27	0	0
Total	0.22	11.03			0
Koyna					
Stage 1-2	4.76	80.88	470	40	530
Stage 4	6.80	126.48	1040	0	250
Stage 3	2.62	53.78	320	0	320
Kovna 12&4 Total	11.57	207.37			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	14.19	261.15			1100
Hydro					
KDPH	0.00	7.40	0	0	0
VTRNA	0.00	11.49	0	0	0
TILLARI	0.39	11.16	63	0	65
BHTGR/VEER	0.11	2.73	5	4	6
BHIRA T.R.	0.39	7.14	80	0	80
RNGR+BHTSA	0.00	0.61	0	0	0
BHANDARDRA	0.00	5.39	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.91	20.97	46	35	10
GHATGHAR	0.80	16.22	120	0	0
Total	2.60	83.10			161
Wind					
MalharPeth	0.49	14.72			
Vankuswadi	0.79	24.10			
ATIT	0.13	3.16			
Kale	0.34	9.85			
Satara	5.90	223.41			
Shirala	0.53	13.54			
K Mahankal	0.03	1.55			
Supa	0.08	8.07			
Vita	1.27	46.61			
Dondaicha	3.25	76.85			
Sakri	0.42	11.69			
Nandurbar	0.62	13.87			
Khandke	0.30	16.60			
Khaparale	0.46	13.98			
Total	14.63	478.00			
CPP					
JSW JAIGAD	27.73	502.97	1213	1012	1100
WARDHA	2.13	67.20	92	82	89
Adani	29.67	288.73	1400	1170	1234
Other CPPs	17.04	261.53			626
Total	76.58	1120.44			3049
SOLAR					
Total	1.03	15.20			
Total	1.03	15.20			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.98	168.04	502	484	500
Trombay 6	0.00	36.25	0	0	0
Trombay 7A	2.29	46.79	115	79	120
Trombay 7B	1.45	28.72	67	55	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.48	84.16	448	0	447
Total	20.19	363.96			1127
REL					
1&2	12.51	232.43	523	518	500
Total	12.51	232.43			500
Cent Sect					
Share					5701
Total					5701
MS PG CL	Thermal	102.20	1714.28		4606
	Thml+Gas	113.09	1900.67		5071
	Hydro	16.78	344.25		1261
	Total	129.87	2244.93		6332
State Total		255.04	4465.98		16709

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/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	3952	370	457	4779	624	3206	0	4637	4741	-814	-791	12586	76	12662	2046	14708	49.82
2	3933	365	457	4755	611	3126	0	4385	4380	-703	-664	12208	49	12257	1849	14106	49.84
3	4055	165	458	4678	655	3022	0	4618	4483	-716	-604	12234	49	12283	1759	14042	49.90
4	4111	80	458	4649	587	3042	0	4682	4588	-741	-549	12317	49	12366	1706	14072	49.88
5	4075	90	458	4623	627	3013	0	4661	4598	-741	-538	12323	50	12373	1696	14069	49.79
6	4138	325	460	4923	614	3007	0	4659	4878	-754	-651	12771	53	12824	1807	14631	49.78
7	4284	1045	465	5794	558	3133	3	4543	5014	-768	-682	13820	62	13882	1899	15781	49.90
8	4422	1750	464	6636	409	3169	32	4561	4660	-958	-941	13965	62	14027	2108	16135	49.99
9	4484	1760	457	6701	383	3153	78	4799	4900	-1221	-1231	13984	60	14044	2438	16482	49.91
10	4510	1561	456	6527	353	3151	127	5049	4960	-1253	-1241	13877	57	13934	2738	16672	49.94
11	4474	1134	453	6061	253	3201	136	5516	5727	-1389	-1425	13976	50	14026	2959	16985	49.93
12	4487	910	455	5852	203	3308	134	5531	5618	-1437	-1392	13733	52	13785	2971	16756	49.93
13	4690	705	454	5849	194	3336	115	5423	5485	-1393	-1302	13677	59	13736	2896	16632	49.89
14	4735	652	452	5839	221	3353	137	5150	5296	-1288	-1269	13577	99	13676	2825	16501	49.89
15	4743	557	449	5749	389	3212	116	5168	5216	-1286	-1286	13396	54	13450	2822	16272	49.80
16	4624	524	434	5582	714	3205	84	5178	5059	-1289	-1327	13317	52	13369	2849	16218	49.92
17	4481	308	435	5224	914	3202	57	4988	5154	-1268	-1345	13206	54	13260	2794	16054	49.95
18	4286	93	438	4817	1064	3057	15	4725	4589	-1187	-1409	12133	57	12190	2782	14972	49.93
19	4198	388	448	5034	1112	3108	0	4862	4919	-1118	-1235	12965	58	13023	2701	15724	49.92
20	3945	1525	450	5920	978	3204	0	4776	4962	-1121	-1136	13955	57	14012	2780	16792	49.87
21	3900	1170	457	5527	859	3240	0	4762	4735	-1073	-1095	13293	52	13345	2644	15989	49.94
22	3848	770	460	5078	901	3356	0	4692	4634	-1146	-1180	12816	52	12868	2511	15379	49.96
23	3930	398	457	4785	791	3348	0	4696	4570	-1151	-1107	12414	52	12466	2325	14791	49.93
24	3894	139	457	4490	612	3425	0	4612	4597	-1045	-992	12159	51	12210	2194	14404	49.94
MUs	102.20	16.78	10.89	129.87	14.63	76.58	1.03	116.67	117.76	-25.86	-25.39	314.70	1.37	316.07	58.10	374.17	49.90

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 19/Sep/2014

Position as on 6.30 Hrs of 20/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.	BTL	
CPP WPCL U-4	135	14/09/2014	00.03		Continued.	Seal Air fan problem	
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	
Koyna Unit 8	80	18/09/2014	10.30		Continued.	Leakage Work.	
Chandrapur Unit 5	500	19/09/2014	19.13	20/09/2014	01.25	Air heater problem	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Sep/2014

Position as on 6.30 Hrs of 20/Sep/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Koradi-Bhilai	19/09/2014	08.37	19/09/2014	14.14	maintance work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	18/09/2014	17.33		Continued.	Over Voltage.
Dabhol-Nagothane-II	19/09/2014	21.16		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	19/09/2014	23.28		Continued.	over voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
80 MVAR Reactor-II at BBSR	18/09/2014	09.40		Continued.	To Open 400kv M.B 1 Jumpers Between 315 mva ICT-2 and 80 MVAR Reactor-2.
TBC Bay - I @ Chandrapur	18/09/2014	11.21		Continued.	Capatial overhauling of ckt.bkr.
400/220 KV 315 MVA ICT-I @ Dhule	19/09/2014	09.19	19/09/2014	19.50	maintance work
400/220KV 315 MVA ICT-I @ Padgha	19/09/2014	09.19	19/09/2014	18.31	hot spot
400/220 KV 500 MVA ICT-I @ Deepnagar	19/09/2014	09.29	19/09/2014	15.28	Replacement work
New Koyna-Karad-II	19/09/2014	10.36	19/09/2014	Continued.	Retrofitting of relay
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Khaperkheda-Purti	18/09/2014	07.42		Continued.	Connection of Jumper.
Inter Connector @ Kalwa	19/09/2014	08.34	19/09/2014	12.02	Hot spot
Pophali - Nerle	19/09/2014	08.50	19/09/2014	16.25	R.M.work
Pedambe-Newkoyna	19/09/2014	10.05	19/09/2014	13.45	jumper replacement
Chikhali - Jalna - I	19/09/2014	10.40	19/09/2014	12.50	measurement of tan delta of ct
220/132 KV 100 MVA ICT - I at Balapur	19/09/2014	11.22	19/09/2014	16.54	maintance work
Apta-HOC	19/09/2014	11.55	19/09/2014	16.25	maintance work
Khaparkheda New - Khaparkheda Old - I	19/09/2014	11.55	19/09/2014	15.00	Replacement work
Padegaon - Sawangi	19/09/2014	12.05	19/09/2014	16.50	Testing work
Aurangabad-Jalna-II	19/09/2014	13.25	19/09/2014	16.05	measurment of tan delta of ct
Main Bus - I @ Aurangabad	19/09/2014	14.20	19/09/2014	19.17	maintance work
220/33 KV 100 MVA T/F @ Shivajinagar (Sakri)	19/09/2014	16.08		Continued.	maintance work
Apta-Uran-II	19/09/2014	16.57	19/09/2014	18.45	Maintance work
Dahanu - Ghodbandar - I	20/09/2014	06.01		Continued.	For commissioning of new tower in place of tilted tower of location no 147
Dahanu-Ghodbandar-II	20/09/2014	06.15		Continued.	For commissioning of new tower in place of tilted tower of location no 147
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Boiser - MIDC	19/09/2014	09.43	19/09/2014	19.13	Replacement work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	16/09/2014	17.37		Continued.	Over Voltage
Dabhol - Nagothane - I	18/09/2014	01.23	19/09/2014	21.12	Over Voltage
Karad-Kolhapur-II	18/09/2014	16.36	19/09/2014	09.10	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Sep/2014

Position as on 6.30 Hrs of 20/Sep/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad-Jaigad I	18/09/2014	20.03	19/09/2014	09.19	Over Voltage
Lonikand- Koyna Stage IV	19/09/2014	00.28	19/09/2014	06.24	Over Voltage.
Karad - Kolhapur - II	19/09/2014	17.22		Continued.	Over Voltage.
Karad-Jaigad I	19/09/2014	22.06		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Kalwa - Tifil	19/09/2014	09.45	19/09/2014	18.15	jumpering work
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 20/Sep/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	150
	620	300
Bhusawal		
Unit 2	210	0
Unit 3	210	125
Unit 4	500	0
Unit 5	500	320
	1420	445
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	160
Unit 6	250	250
Unit 7	250	250
	1130	660
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	150
Unit 4	210	170
Unit 5	500	400
Unit 6	500	360
Unit 7	500	330
	2340	1410
Paras		
Unit 3	250	170
Unit 4	250	190
	500	360
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	160
Unit 4	210	160
Unit 5	210	160
	630	480
Uran		
All Units	852	465
	852	465
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	320
	1920	1100
Hydro		
KDPH	40	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	63
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	
SMLHY PTN	12	17
GHATGHAR	250	
	611	160
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	97
Adani	2640	1234
Other CPPs	300	625
	4545	3056
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	5405
	3455	5405