



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

State Load Dispatch Center, Airoli

Daily system Report

for

24/Sep/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 24/Sep/2014 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	105.423	2244.043	1) Gujrat	16.936	80.223
2) Hydro	24.294	451.755	2) Madhya Pradesh	17.198	357.874
3) Gas	10.288	238.697	3) Chattisgarh	8.370	158.760
Total MSGENCO	140.005	2934.495	4) Maharashtra Net	105.554	2125.631
B) 1) JSW JAIGAD	28.930	644.918	(Incl. 765kV Solapur-Raichur)	-10.021	-126.974
2) WPCL	4.837	83.043	5) Goa	-7.496	-152.511
3) ADANI	33.120	457.963	6) TAPS 1&2 Injection	7.209	176.914
4) Other CPP / IPP	20.442	339.399	7) RGPPL Injection	0.000	0.000
5) Wind Generation	4.643	522.312	8) Pench (Excess)	-0.550	-13.774
6) PENCH (MS)	0.550	13.774	# Total Cent. Sector	147.221	2733.117
7) SOLAR	0.980	20.465	F) Other Exchanges		
C) 1) TPCL Thermal	15.630	358.581	1) With TPCL (Excess)	-28.079	-604.209
2) TPCL Hydro	5.098	106.665	G) Bilateral Power *		
TOTAL TPCL	20.728	465.246	1) MSEDCL Bilateral	41.319	596.924
3) REL Thermal	12.485	285.808	Include PX	14.278	44.651
D) STATE			2) MUMBAI Bilateral	25.718	528.694
1) Thermal (A1+C1+C3)	133.538	2888.432	Include PX	6.719	89.968
2) Hydro (A2+B6+C2)	29.942	572.194	3) MUMBAI Schedule	25.718	539.093
3) Gas (A3)	10.288	238.697	H) ENERGY CATERED (MUs)		
4) Wind (B5)	4.643	522.312	1) MSEDCL	352.649	7145.277
5) CPP/IPP (B1+B2+B3+B4)	87.329	1525.323	2) TPCL	39.073	865.439
6) SOLAR (B7)	0.980	20.465	3) REL	22.218	489.809
TOTAL STATE	266.720	5767.423	TOTAL STATE	413.940	8500.525

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4681	4653	4499
MSGENCO Hydro	1277	1538	66
MSGENCO Gas	410	400	450
MSGENCO Total Generation	6368	6591	5015
Central Sector Receipt	7130	7068	5078
WIND	53	137	331
CPP / IPP	3458	3509	3641
SOLAR	131	95	0
Exchange with Mumbai	-1494	-1562	-689
MSEDCL DEMAND MET	15673	15861	13403
Load Shedding	109	55	51
MSEDCL DEMAND	15782	15916	13454
TPCL GENERATION	1061	968	635
R-INFRA GENERATION	521	520	520
TPCL+R-INFRA DEMAND	3076	3050	1844
STATE DEMAND MET	18749	18911	15247
STATE DEMAND	18858	18966	15298
Frequency (Hz)	49.97	49.99	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 09.03 Hrs	49.71 Hz at 22.07 Hrs	49.97	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 24/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	0.00	62.46	0	0	0
Unit 7	3.13	63.14	150	110	130
Total	3.13	125.60			130
Bhusawal					
Unit 2	0.00	8.92	0	0	0
Unit 3	2.06	30.42	140	0	130
Unit 4	7.33	25.48	345	205	350
Unit 5	7.62	204.94	375	275	450
Total	17.01	269.76			930
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.66	84.06	163	140	160
Unit 6	4.87	116.92	233	164	210
Unit 7	4.81	109.31	215	175	210
Total	13.34	310.29			580
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	45.37	0	0	0
Unit 3	3.42	57.10	163	109	180
Unit 4	4.03	78.49	185	150	210
Unit 5	8.71	123.54	410	300	310
Unit 6	7.73	132.15	370	295	300
Unit 7	7.29	156.76	347	247	310
Total	31.18	593.41			1310
Paras					
Unit 3	5.00	64.79	247	117	230
Unit 4	5.26	108.87	241	204	230
Total	10.26	173.66			460
Khaparkheda					
Unit 1	3.67	68.36	185	120	170
Unit 2	3.46	82.76	165	125	170
Unit 3	4.34	90.99	192	175	170
Unit 4	0.00	80.43	0	0	0
Unit 5	7.06	174.26	348	240	350
Total	18.53	496.78			860
Nasik					
Unit 3	4.01	93.41	195	155	190
Unit 4	3.95	84.56	185	157	190
Unit 5	4.01	96.56	184	157	190
Total	11.97	274.53			570
Uran					
All Units	10.29	238.70	457	400	465
Total	10.29	238.70			465
PENCH (MS)					
Pench (MS)	0.55	13.77	27	12	
Total	0.55	13.77			
Koyna					
Stage 1-2	6.86	110.64	555	40	600
Stage 4	12.61	178.35	1104	0	250
Stage 3	3.71	70.81	240	0	240
Kovna 12&4 Total	19.47	288.99			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	23.19	359.80			1090
Hydro					
KDPH	0.00	7.40	0	0	0
VTRNA	0.00	11.63	0	0	0
TILLARI	0.00	11.74	0	0	0
BHTGR/VEER	0.10	3.26	5	4	5
BHIRA T.R.	0.44	8.89	80	0	80
RNGR+BHTSA	0.00	1.03	0	0	0
BHANDARDRA	0.00	6.10	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.25	22.86	18	7	25
GHATGHAR	0.31	19.02	125	0	0
Total	1.11	91.95			110
Wind					
MalharPeth	0.06	16.07			
Vankuswadi	0.12	26.42			
ATIT	0.01	3.50			
Kale	0.03	10.63			
Satara	1.98	238.44			
Shirala	0.07	14.82			
K Mahankal	0.01	1.60			
Supa	0.08	8.34			
Vita	0.45	49.10			
Dondaicha	1.21	90.37			
Sakri	0.17	13.54			
Nandurbar	0.21	16.29			
Khandke	0.16	17.75			
Khaparale	0.08	15.44			
Total	4.64	522.31			
CPP					
JSW JAIGAD	28.93	644.92	1213	1179	1100
WARDHA	4.84	83.04	211	186	215
Adani	33.12	457.96	1520	1140	1553
Other CPPs	20.44	339.40			740
Total	87.33	1525.32			3608
SOLAR					
Total	0.98	20.46			
Total	0.98	20.46			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.95	227.18	503	489	500
Trombay 6	0.00	36.25	0	0	0
Trombay 7A	2.24	58.92	116	68	120
Trombay 7B	1.44	36.23	68	53	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.10	106.66	454	0	447
Total	20.73	465.25			1127
REL					
1&2	12.48	285.81	525	518	500
Total	12.48	285.81			500
Cent Sect					
Share					7200
Total					7200
MS PG CL	Thermal	105.42	2244.04		4840
	Thml+Gas	115.71	2482.74		5305
	Hydro	24.29	451.76		1200
	Total	140.00	2934.50		6505
State Total		266.72	5767.42		18940

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 24/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	4511	171	450	5132	271	3650	0	5138	5418	-751	-766	13732	78	13810	2185	15995	49.93
2	4518	256	447	5221	301	3705	0	5054	5109	-715	-773	13590	51	13641	1961	15602	49.92
3	4499	66	450	5015	331	3641	0	5012	5078	-643	-689	13403	51	13454	1844	15298	49.95
4	4414	61	446	4921	319	3602	0	4996	5230	-589	-626	13472	51	13523	1784	15307	49.92
5	4349	52	446	4847	319	3693	0	5018	5321	-593	-636	13561	52	13613	1790	15403	49.85
6	4302	511	448	5261	311	3782	0	5306	5513	-626	-686	14201	57	14258	1872	16130	49.87
7	4438	792	457	5687	289	3789	8	5776	6005	-725	-801	15003	66	15069	2028	17097	49.95
8	4483	947	456	5886	243	3792	31	6069	6389	-871	-930	15435	66	15501	2184	17685	49.99
9	4421	1087	452	5960	171	3798	73	6472	6709	-1150	-1106	15629	63	15692	2430	18122	50.03
10	4496	1300	444	6240	119	3745	131	6779	6712	-1152	-1374	15597	58	15655	2761	18416	50.03
11	4421	1191	437	6049	94	3685	146	7143	7278	-1426	-1518	15747	53	15800	3014	18814	50.05
12	4386	1319	440	6145	43	3642	143	6974	7240	-1460	-1485	15741	55	15796	3038	18834	50.01
13	4681	1277	410	6368	53	3458	131	6745	7130	-1478	-1494	15673	109	15782	3076	18858	49.97
14	4590	1341	409	6340	74	3417	93	6712	7099	-1397	-1543	15503	58	15561	2973	18534	50.01
15	4653	1538	400	6591	137	3509	95	6599	7068	-1356	-1562	15861	55	15916	3050	18966	49.99
16	4544	1755	417	6716	156	3495	60	6595	6735	-1361	-1572	15617	53	15670	3050	18720	49.96
17	4362	1668	418	6448	154	3534	44	6417	6619	-1354	-1495	15331	55	15386	3007	18393	49.97
18	4284	1208	417	5909	201	3531	25	5795	5788	-1339	-1511	13955	57	14012	2997	17009	50.01
19	4308	1269	408	5985	167	3591	0	5763	5865	-1299	-1423	14212	59	14271	2940	17211	49.96
20	4170	1976	406	6552	187	3595	0	5700	5701	-1153	-1310	14752	61	14813	2966	17779	49.96
21	4151	1662	407	6220	201	3572	0	5773	6025	-1109	-1256	14788	55	14843	2769	17612	49.99
22	4143	1286	407	5836	187	3670	0	5636	5541	-1134	-1236	14023	55	14078	2637	16715	49.97
23	4123	846	408	5377	155	3689	0	5662	5799	-1106	-1207	13825	55	13880	2547	16427	49.94
24	4176	715	408	5299	160	3744	0	5659	5849	-932	-1080	13998	55	14053	2389	16442	49.94
MUs	105.4 2	24.29	10.29	140.00	4.64	87.33	0.98	142.79	147.22	-25.72	-28.08	352.65	1.43	354.08	61.29	415.37	49.97

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 24/Sep/2014

Position as on 6.30 Hrs of 25/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	
Koyna Unit 11	80	23/09/2014	02.30		Continued.	Stator Earth Fault	
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	
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 Adani U-2	660	15/09/2014	11.28		Continued.	GT Blast(fire on Y-Ph).	
Chandrapur Unit 2	210	17/09/2014	22.34		Continued.	Boiler Tube Leakage	
CPP VIPL U-2	300	20/09/2014	20.51		Continued.	Loss of fuel.	
Koradi Unit 6	210	22/09/2014	18.30		Continued.	ID Fan Problem.	
Khaparkheda Unit 4	210	23/09/2014	02.35		Continued.	Coal Shortage.	
Koyna Unit 3	75	23/09/2014	21.30	24/09/2014	03.10	P.M.Work	
CPP Adani U-3	660	24/09/2014	12.37		Continued.	Main Steam Line Leakage	
Bhusawal Unit 3	210	24/09/2014	16.12	24/09/2014	23.26	ID Fan Problem	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 24/Sep/2014

Position as on 6.30 Hrs of 25/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		
Parli (PG) - Wardha (PG) - II	23/09/2014	10.11		Continued.	R-P Fault
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	23/09/2014	17.41	24/09/2014	09.06	Over Voltage
Kolhapur - Mapusa - II	24/09/2014	17.18		Continued.	Over Voltage
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC POLE II - CHDPR	20/09/2014	21.23		Continued.	For attending gas leakage, taken on TBC.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Khadka - Deepnagar - II	22/09/2014	10.46		Continued.	Jumper nut bolt.
400/220KV 500MVA ,GT-5 at Deepnagar	22/09/2014	10.50		Continued.	Repl.damaged poles of main CB pole.
Main Bus - II @ Koradi II	23/09/2014	09.17	24/09/2014	01.56	Testing Bus Bar Prot.Scheme and confirming CT polarity
Main Bus - I at Koradi-II	23/09/2014	09.17	24/09/2014	00.45	Testing Bus Bar Prot.Scheme and confirming CT polarity
400/220,315 MVA ICT-I at Lamboti	24/09/2014	12.25	24/09/2014	17.41	NDR Relay Retrofitting work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Khaperkheda - Ambazari - II	24/09/2014	07.41	24/09/2014	13.41	Conversion of STN and DTN
Paranda - Barshi	24/09/2014	10.15	24/09/2014	13.40	Q.M.Work
Mudshingi - Chikodi	24/09/2014	13.29	24/09/2014	18.40	Fixing of Vibration Damper
Koradi-Ambazari-I	24/09/2014	13.55	24/09/2014	19.00	Conversion of STN to DTN
Babaleshwar - Babaleshwar - I	24/09/2014	17.56	24/09/2014	21.05	Hot Spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Koradi - Koradi - II	23/09/2014	09.16	24/09/2014	02.17	Main Bus outatge at Koradi-II
Koradi - II - Indiabull	23/09/2014	09.17	24/09/2014	01.56	Main Bus outage at Koradi-II
Karad-Kolhapur-II	23/09/2014	16.50	24/09/2014	07.26	Over Voltage
Bhusawal- Aurangabad	23/09/2014	17.06	24/09/2014	08.24	Over Voltage
Bhusawal- Aurangabad	24/09/2014	17.57		Continued.	Over Voltage
Karad-Kolhapur-II	24/09/2014	21.48		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol - Nagothane - I	22/09/2014	11.28		Continued.	Dist.prot.Dabhol end,A/R succ at Nagothane.
Karad - Newkoyna - I	25/09/2014	04.36		Continued.	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
220/100KV 200 MVA ICT III at Borivali	21/09/2014	09.16		Continued.	Bus fault due to monkey.
Pusad - Bhugaon	23/09/2014	14.56	24/09/2014	04.14	R phase Conductor Insulator String

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 24/Sep/2014

Position as on 6.30 Hrs of 25/Sep/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					Burst
Voltage Level : 100KV					Outage Type TRIPPED
Chinchwad - Talegaon	24/09/2014	10.13	24/09/2014	10.16	Transient Tripping

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 25/Sep/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	160
	620	160
Bhusawal		
Unit 2	210	0
Unit 3	210	130
Unit 4	500	320
Unit 5	500	300
	1420	750
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	160
Unit 6	250	200
Unit 7	250	200
	1130	560
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	150
Unit 4	210	180
Unit 5	500	400
Unit 6	500	350
Unit 7	500	350
	2340	1430
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	0
Unit 5	500	350
	1340	860
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
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	240
	1920	1090
Hydro		
KDPH	40	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
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	96
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	215
Adani	2640	930
Other CPPs	300	760
	4545	3005
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	6770
	3455	6770