



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

State Load Dispatch Center, Airoli

Daily system Report

for

16/Sep/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 16/Sep/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	82.178	1223.347	1) Gujrat	13.167	233.906
2) Hydro	14.359	164.279	2) Madhya Pradesh	17.135	332.010
3) Gas	8.382	147.484	3) Chattisgarh	12.180	179.630
Total MSGENCO	104.919	1535.110	4) Maharashtra	53.629	970.989
B) OTHERS			5) Goa	-5.817	-88.634
1) JSW JAIGAD	25.783	435.419	6) TAPS 1&2 Injection	4.197	62.113
2) WPCL	8.749	101.134	7) RGPPL Injection	19.019	227.082
3) Other CPP / IPP	9.566	101.455	8) Pench (Excess)	-0.744	-11.280
4) Wind Generation	17.785	250.019	# Total Cent. Sector	112.766	1905.816
5) PENCH (MS)	0.744	11.280	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-14.792	-254.518
1) TPCL Thermal	22.066	423.182	G) Bilateral Power *		
2) TPCL Hydro	1.860	65.782	1) MSEDCL Bilateral	35.469	559.000
TOTAL TPCL	23.926	488.964	Include PX	0.000	9.807
3) REL Thermal	7.514	102.215	2) MUMBAI Bilateral	12.886	254.945
D) STATE			Include PX	0.000	74.960
1) Thermal (A1+C1+C3)	111.758	1748.744	3) MUMBAI Schedule	12.886	257.936
2) Hydro (A2+B5+C2)	16.963	241.341	H) ENERGY CATERED (MUs)		
3) Gas (A3)	8.382	147.484	1) MSEDCL	265.520	4085.715
4) Wind (B4)	17.785	250.019	2) TPCL	31.290	575.971
5) CPP (B1+B2+B3)	44.098	638.008	3) REL	14.940	269.707
TOTAL STATE	198.986	3025.596	TOTAL STATE	311.750	4931.393

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	3238	3502	3467
MSGENCO Hydro	1331	700	218
MSGENCO Gas	343	333	362
MSGENCO Total Generation	4912	4535	4047
Central Sector Receipt	5220	4915	4070
WIND	694	710	857
CPP / IPP	1748	1764	1912
Exchange with Mumbai	-698	-507	-527
MSEDCL DEMAND MET	11899	11470	10382
Load Shedding	591	485	233
MSEDCL DEMAND	12490	11955	10615
TPCL GENERATION	1099	1185	810
R-INFRA GENERATION	264	463	263
TPCL+R-INFRA DEMAND	2061	2155	1600
STATE DEMAND MET	13960	13625	11982
STATE DEMAND	14551	14110	12215
Frequency (Hz)	50.12	49.98	50.40

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.54 Hz at 03.35 Hrs	49.68 Hz at 18.47 Hrs	50.17	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 16/Sep/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.28	28.39	71	0	0
Unit 6	2.28	34.02	118	50	110
Unit 7	0.79	35.87	100	0	80
Total	3.36	98.28			190
Bhusawal					
Unit 2	2.98	44.44	150	90	120
Unit 3	0.59	0.86	55	0	50
Unit 4	0.00	0.16	0	0	
Unit 5	2.19	17.41	144	0	
Total	5.76	62.88			170
Parli					
Unit 3	2.77	33.10	135	95	132
Unit 4	0.00	28.49	0	0	0
Unit 5	0.00	12.66	0	0	0
Unit 6	3.54	39.37	173	112	160
Unit 7	3.36	50.62	168	113	160
Total	9.66	164.24			452
Chandrapur					
Unit 1	1.69	39.35	81	57	150
Unit 2	1.75	36.92	86	58	150
Unit 3	1.76	4.82	98	19	100
Unit 4	2.00	24.03	101	52	150
Unit 5	7.11	95.70	350	225	300
Unit 6	7.91	93.21	380	285	300
Unit 7	7.07	110.64	340	246	300
Total	29.28	404.67			1450
Paras					
Unit 3	3.29	46.11	171	122	130
Unit 4	2.94	43.11	140	106	130
Total	6.23	89.22			260
Khaparkheda					
Unit 1	3.24	51.61	170	85	135
Unit 2	3.94	55.31	195	130	160
Unit 3	1.25	51.00	165	0	0
Unit 4	4.71	59.96	209	183	190
Unit 5	6.02	25.48	299	177	210
Total	19.17	243.37			695
Nasik					
Unit 3	4.38	63.60	205	145	200
Unit 4	4.15	63.82	192	144	190
Unit 5	0.20	33.26	75	0	0
Total	8.73	160.68			390
Uran					
All Units	8.38	147.48	378	333	350
Total	8.38	147.48			350
PENCH (MS)					
Pench (MS)	0.74	11.28	54	23	
Total	0.74	11.28			
Koyna					
Stage 1-2	3.81	42.18	535	25	600
Stage 4	3.91	21.31	624	0	250
Stage 3	1.18	21.80	160	0	320
Kovna 12&4 Total	7.72	63.48			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	8.91	85.28			1170
Hydro					
KDPH	0.93	12.17	39	38	36
VTRNA	0.20	0.86	61	0	0
TILLARI	0.33	9.53	60	0	60
BHTGR/VEER	0.62	3.84	26	25	17
BHIRA T.R.	0.26	6.53	80	0	80
RNGR+BHTSA	0.38	1.38	16	15	0
BHANDARDRA	0.67	12.18	38	14	23
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.00	19.04	48	39	8
GHATGHAR	1.06	13.48	125	0	0
Total	5.45	79.00			224
Wind					
MalharPeth	0.87	14.48			
Vankuswadi	1.58	24.09			
ATIT	0.17	5.73			
Kale	0.49	8.09			
Satara	0.45	40.24			
Shirala	0.47	9.87			
K Mahankal	3.45	22.21			
Supa	0.22	3.84			
Vita	2.68	47.23			
Dondaicha	4.58	39.02			
Sakri	0.74	8.04			
Nandurbar	0.39	2.96			
Khandke	0.90	16.14			
Khaparale	0.79	8.09			
Total	17.78	250.02			
CPP					
JSW JAIGAD	25.78	435.42	1204	989	1093
WARDHA	8.75	101.13	378	186	376
Other CPPs	9.57	101.46			
Total	44.10	638.01			1469
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.90	169.70	506	293	500
Trombay 6	3.75	108.36	158	155	500
Trombay 7A	1.96	40.93	126	68	120
Trombay 7B	1.37	24.22	69	52	60
Trombay 8	5.09	79.97	235	193	250
TATA Hydro	1.86	65.78	222	0	297
Total	23.93	488.96			1727
REL					
1&2	7.51	102.22	508	263	250
Total	7.51	102.22			250
Cent Sect					
Share					5193
Total					5193

MS PG CL	Thermal	82.18	1223.35			3607
	Thml+Gas	90.56	1370.83			3957
	Hydro	14.36	164.28			1394
	Total	104.92	1535.11			5351
State Total		198.99	3025.60			13990

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/Sep/2012

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	3438	208	360	4006	1031	2017	4678	4612	-545	-790	10899	134	11033	1878	12911	50.19
2	3450	238	361	4049	936	1980	4149	4249	-514	-668	10569	167	10736	1722	12458	50.20
3	3435	193	362	3990	875	1962	4134	4133	-514	-592	10392	203	10595	1656	12251	50.26
4	3467	218	362	4047	857	1912	4131	4070	-514	-527	10382	233	10615	1600	12215	50.40
5	3477	269	378	4124	811	1941	4131	4220	-514	-475	10644	259	10903	1580	12483	50.29
6	3514	235	376	4125	674	1972	4700	4288	-514	-529	10554	387	10941	1633	12574	50.12
7	3502	205	371	4078	623	2044	4752	4490	-515	-550	10708	884	11592	1657	13249	50.29
8	3513	331	359	4203	508	1961	4687	4786	-545	-626	10855	931	11786	1734	13520	50.30
9	3471	224	354	4049	681	1963	4677	4820	-545	-715	10822	1069	11891	1842	13733	50.28
10	3349	717	342	4408	735	1770	4955	5245	-545	-660	11521	711	12232	1957	14189	50.12
11	3238	1331	343	4912	694	1748	4931	5220	-545	-698	11899	591	12490	2061	14551	50.12
12	3221	1387	344	4952	650	1760	4933	5113	-545	-746	11753	667	12420	2105	14525	50.14
13	3303	1192	344	4839	675	1759	4943	4986	-545	-724	11558	728	12286	2121	14407	50.15
14	3434	628	344	4406	804	1759	4951	5003	-545	-772	11223	651	11874	2099	13973	50.17
15	3376	1069	344	4789	805	1754	4557	4770	-545	-687	11455	539	11994	2049	14043	50.15
16	3331	879	344	4554	762	1764	4550	4607	-545	-489	11221	533	11754	1997	13751	50.25
17	3316	463	343	4122	800	1764	4548	4497	-545	-356	10850	549	11399	1952	13351	50.16
18	3428	211	342	3981	718	1752	4671	4325	-545	-410	10420	427	10847	1955	12802	50.08
19	3431	554	335	4320	831	1768	4780	4857	-545	-449	11380	356	11736	2032	13768	50.00
20	3502	700	333	4535	710	1764	5087	4915	-545	-507	11470	485	11955	2155	14110	49.98
21	3548	561	334	4443	784	1769	5088	5048	-545	-707	11391	452	11843	2167	14010	50.08
22	3551	509	335	4395	607	1777	5026	5029	-545	-716	11145	431	11576	2147	13723	50.14
23	3430	866	335	4631	626	1812	4770	4882	-545	-733	11272	189	11461	2106	13567	50.09
24	3457	1171	337	4965	588	1626	4450	4605	-545	-666	11145	136	11281	2027	13308	50.11
MUs	82.18	14.36	8.38	104.92	17.78	44.10	112.28	112.77	-12.89	-14.79	265.53	11.71	277.24	46.23	323.47	50.17

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 16/Sep/2012

Position as on 6.30 Hrs of 17/Sep/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refueling work.	30/09/2012
Cent_Sect NTPC(V-6)	210	29/08/2012	01.16		Continued.	AOH.	
REL 2	250	01/09/2012	04.18	16/09/2012	14.29	Annual Overhauling.	
Cent_Sect NTPC(K-3)	210	06/09/2012	00.13		Continued.	AOH.	
FORCED OUTAGE							
Dabhol 1B	230	23/07/2012	15.57		Continued.	Combustion Inspection	
Dabhol 1X	290	10/08/2012	17.31		Continued.	Gas Shortage.	
Dabhol 1A	230	10/08/2012	17.33		Continued.	Gas Shortage.	
Koyna ST-IV 2	250	20/08/2012	12.22		Continued.	Buchholz relay alarm.	
Parli Unit 5	210	06/09/2012	04.20		Continued.	Flame failure	
Dabhol 2A	230	08/09/2012	11.38		Continued.	Gas Shortage.	
Uran Unit 8	108	10/09/2012	21.07		Continued.	Gas shortage.	
Parli Unit 4	210	11/09/2012	13.15		Continued.	Coal shortage.	
Nasik Unit 5	210	14/09/2012	06.30	16/09/2012	20.20	Economiser Tube Leakage	
Khaparkheda Unit 3	210	14/09/2012	16.41	16/09/2012	14.40	Boiler Tube Leakage.	
Bhusawal Unit 4	500	14/09/2012	18.04		Continued.	P A Fan Problem.	
Cent_Sect Sipat-4	500	14/09/2012	19.02		Continued.	Due to 400KV Sipat-Rachi Line Tripped Due to C T Blast.	
Cent_Sect Sipat U-1	660	15/09/2012	07.01		Continued.	Boiler Tube Leakage.	
Koradi Unit 5	200	16/09/2012	04.23		Continued.	Low Bunkering.	
Koradi Unit 7	210	16/09/2012	10.35		Continued.	Low Bunkering.	
Bhusawal Unit 3	210	16/09/2012	14.20		Continued.	P A Fan Problem.	
REL 2	250	16/09/2012	19.45	16/09/2012	22.50	Electrical Protection System.	
Cent_Sect NTPC(K-7)	500	16/09/2012	21.00		Continued.	Boiler Tube Leakage.	
Bhusawal Unit 5	500	16/09/2012	21.34	17/09/2012	00.55	Turbine Protection Operated.	
Dabhol 3B	230	16/09/2012	23.45		Continued.	Gas Shortage.	
Cent_Sect NTPC(V-2)	210	17/09/2012	00.39		Continued.	Coal Shortage.	
Khaparkheda Unit 2	210	17/09/2012	01.13	17/09/2012	03.49	Flame Failure.	
Parli Unit 6	250	17/09/2012	03.37		Continued.	Low Bunker Level.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Sep/2012

Position as on 6.30 Hrs of 17/Sep/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni-Wardha-II 765KV.	24/08/2012	17.10		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	07/09/2012	16.14		Continued.	Over Voltage.
Kolhapur - Mapusa - I	12/09/2012	16.58		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	13/09/2012	16.45		Continued.	Over Voltage
Akola - Wardha - I	14/09/2012	20.20	16/09/2012	19.18	Over Voltage.
Wardha - Akola - II	16/09/2012	21.34		Continued.	Over Voltage.
Parli-Parli (PGCIL) I	16/09/2012	23.52		Continued.	Over Voltage.
Akola - Aurangabad - II	17/09/2012	00.03		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Wardha (PG) - Warora - I	16/09/2012	09.07	16/09/2012	11.29	Distance Protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Maintenance work.
400/220KV,200MVA Spare ICT at Kalwa.	22/08/2012	09.57		Continued.	Replacement of Isolator
New Koyna - Karad - I	03/09/2012	11.52		Continued.	Relay testing work.
Aurangabad-Deepnagar-II	07/09/2012	09.42		Continued.	Maint.Work,Daily Basis Line is Ready for Charging from 18.30 Hrs.
Karad - Newkoyna - I	15/09/2012	09.27	16/09/2012	10.53	Testing Work @ Karad, Line is Ready for Charging @ 18.18 Hrs.
80 MVAR Reactor @ Dhule	16/09/2012	10.40	16/09/2012	19.07	A.M.Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
220/132 KV 150 MVA ICT-I @ Akola.	21/08/2012	09.18		Continued.	Augmentation by 200MVA ICT(work up to 14/9/2012)
Main Bus-II At 220 KV BBLSR	01/09/2012	20.37		Continued.	Replacement & Conversion of Twin Conductor to Quadrapale Conductor.
Pophali - KDPH	16/09/2012	07.36	16/09/2012	12.45	Bus Section - I Outage.
Pophali - Pedambe - I	16/09/2012	08.14	16/09/2012	13.15	Bus Section - I Outage.
Pophali - Kandalgaon	16/09/2012	08.30	16/09/2012	13.05	Bus Section - I Outage.
Main Bus Section - I @ Pophali	16/09/2012	08.40	16/09/2012	12.50	B Ph. Strands Broken,Pedambe-I Bus Section Isolator.
Voltage Level : 110KV			Outage Type PLANNED OUTAGE		
Borivali(T)-Borivali(M)-I	16/09/2012	08.50	16/09/2012	12.45	Bus Outage @ 11o KV Borivali (T).
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Dabhol - New Koyna - I	16/09/2012	01.07	16/09/2012	06.31	To Attend Sparking @ Bus-I CVT Y Pole HF Section.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz protection operated.
Bhusawal- Aurangabad	31/08/2012	12.33		Continued.	Over Voltage.
Karad - Kolhapur - II	15/09/2012	17.03	16/09/2012	11.15	Over Voltage.
Karad-Kolhapur-II	16/09/2012	16.31		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	17/09/2012	00.04		Continued.	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 16/Sep/2012

Position as on 6.30 Hrs of 17/Sep/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad-New Koyna II	17/09/2012	00.18		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
Pophali - Pedambe - I	17/09/2012	02.30		Continued.	Conductor Broken Indication.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 315 MVA ICT-II @ Dhule	04/08/2012	17.21		Continued.	B Ph. H V Side ICT-II Bushing Burst.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 17/Sep/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	100
Unit 7	210	0
	620	100
Bhusawal		
Unit 2	210	150
Unit 3	210	0
Unit 4	500	
Unit 5	500	
	1420	150
Parli		
Unit 3	210	135
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	80
	1130	215
Chandrapur		
Unit 1	210	110
Unit 2	210	80
Unit 3	210	60
Unit 4	210	100
Unit 5	500	300
Unit 6	500	275
Unit 7	500	300
	2340	1225
Paras		
Unit 3	250	120
Unit 4	250	110
	500	230
Khaparkheda		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	160
Unit 4	210	160
Unit 5	500	300
	1340	920
Nasik		
Unit 3	210	200
Unit 4	210	190
Unit 5	210	170
	630	560
Uran		
All Units	852	350
	852	350
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	36
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	26
BHIRA T.R.	80	80
RNGR+BHTSA	20	16
BHANDARDRA	45	38
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	325
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	600	1093
WARDHA	405	370
Other CPPs	0	
	1005	1463
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	297
	2024	1727
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5073
	3455	5073