



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Sep/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/Sep/2012 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	100.679	1603.824	1) Gujrat	18.279	294.062
2) Hydro	6.125	216.450	2) Madhya Pradesh	21.450	420.119
3) Gas	11.350	188.852	3) Chattisgarh	10.270	223.560
Total MSGENCO	118.154	2009.126	4) Maharashtra	65.932	1222.736
B) 1) JSW JAIGAD	27.523	544.957	5) Goa	-5.618	-111.009
2) WPCL	5.767	129.013	6) TAPS 1&2 Injection	4.198	79.031
3) ADANI	2.670	11.860	7) RGPPL Injection	12.688	277.681
4) Other CPP / IPP	5.827	120.741	8) Pench (Excess)	-1.153	-15.483
5) Wind Generation	4.641	275.612	# Total Cent. Sector	126.046	2390.697
6) PENCH (MS)	1.153	15.528	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.020	-303.798
1) TPCL Thermal	28.123	527.069	G) Bilateral Power *		
2) TPCL Hydro	3.869	79.429	1) MSEDCL Bilateral	47.341	749.643
TOTAL TPCL	31.992	606.498	Include PX	9.535	52.175
3) REL Thermal	12.477	151.592	2) MUMBAI Bilateral	11.716	307.119
D) STATE			Include PX	1.204	78.167
1) Thermal (A1+C1+C3)	141.279	2282.485	3) MUMBAI Schedule	11.716	310.913
2) Hydro (A2+B5+C2)	11.147	311.407	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.350	188.852	1) MSEDCL	280.761	5193.736
4) Wind (B4)	4.641	275.612	2) TPCL	37.673	723.055
5) CPP (B1+B2+B3)	41.787	797.381	3) REL	17.817	338.805
TOTAL STATE	210.204	3855.737	TOTAL STATE	336.251	6255.596

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4142	4352	4032
MSGENCO Hydro	615	462	167
MSGENCO Gas	463	465	490
MSGENCO Total Generation	5220	5279	4689
Central Sector Receipt	5958	5702	4074
WIND	26	553	135
CPP / IPP	1624	1640	1555
Exchange with Mumbai	-557	-511	-316
MSEDCL DEMAND MET	12321	12713	10584
Load Shedding	614	81	110
MSEDCL DEMAND	12935	12794	10694
TPCL GENERATION	1731	1609	833
R-INFRA GENERATION	526	524	475
TPCL+R-INFRA DEMAND	2814	2644	1624
STATE DEMAND MET	15135	15357	12208
STATE DEMAND	15749	15438	12318
Frequency (Hz)	50.05	49.88	50.11

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.44 Hz at 18:02 Hrs	49.55 Hz at 19:16 Hrs	50.05	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 20/Sep/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	28.39	0	0	0
Unit 6	1.91	42.70	115	31	65
Unit 7	2.20	42.92	115	45	125
Total	4.10	114.02			190
Bhusawal					
Unit 2	2.98	57.04	145	110	130
Unit 3	1.44	2.30	115	0	0
Unit 4	0.42	0.58	104	0	0
Unit 5	2.01	28.40	138	0	0
Total	6.83	88.31			130
Parli					
Unit 3	3.48	46.46	160	123	165
Unit 4	3.01	37.94	158	100	120
Unit 5	0.00	12.66	0	0	0
Unit 6	3.94	48.36	183	147	150
Unit 7	4.14	64.87	193	139	175
Total	14.57	210.30			610
Chandrapur					
Unit 1	3.56	50.83	158	134	140
Unit 2	3.54	47.84	160	129	140
Unit 3	3.54	16.27	188	120	140
Unit 4	0.42	32.82	56	0	50
Unit 5	7.06	123.71	340	220	230
Unit 6	8.60	123.49	390	310	325
Unit 7	7.35	137.93	387	256	325
Total	34.08	532.88			1350
Paras					
Unit 3	3.86	59.96	201	145	170
Unit 4	3.68	57.24	173	126	170
Total	7.54	117.20			340
Khaparkheda					
Unit 1	3.44	65.16	170	110	160
Unit 2	3.44	69.94	165	115	160
Unit 3	3.88	67.54	186	145	170
Unit 4	3.44	76.28	177	0	170
Unit 5	7.10	53.27	375	202	300
Total	21.31	332.20			960
Nasik					
Unit 3	4.40	80.96	200	165	200
Unit 4	3.78	79.54	170	129	170
Unit 5	4.07	48.42	180	161	170
Total	12.25	208.92			540
Uran					
All Units	11.35	188.85	490	453	460
Total	11.35	188.85			460
PENCH (MS)					
Pench (MS)	1.15	15.53	52	23	0
Total	1.15	15.53			0
Koyna					
Stage 1-2	1.54	54.64	160	40	600
Stage 4	0.00	37.05	0	0	250
Stage 3	0.32	28.66	134	0	320
Kovna 12&4 Total	1.54	91.69			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.85	120.35			1170
Hydro					
KDPH	0.93	15.84	39	38	36
VTRNA	0.00	1.02	0	0	0
TILLARI	0.34	10.62	60	0	61
BHTGR/VEER	0.22	5.08	10	9	10
BHIRA T.R.	0.22	7.53	71	0	80
RNGR+BHTSA	0.39	2.92	17	16	17
BHANDARDRA	0.38	14.80	16	15	44
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.93	23.41	44	36	8
GHATGHAR	0.86	14.87	250	0	0
Total	4.27	96.10			256
Wind					
MalharPeth	0.26	15.80			
Vankuswadi	0.38	26.19			
ATIT	0.04	6.03			
Kale	0.16	8.95			
Satara	0.86	43.47			
Shirala	0.14	10.54			
K Mahankal	0.02	24.62			
Supa	0.07	4.23			
Vita	0.64	51.74			
Dondaicha	1.52	45.25			
Sakri	0.17	9.19			
Nandurbar	0.18	3.57			
Khandke	0.08	16.85			
Khaparale	0.12	9.18			
Total	4.64	275.61			
CPP					
JSW JAIGAD	27.52	544.96	1199	1019	1093
WARDHA	5.77	129.01	299	172	300
Adani	2.67	11.86	420	0	
Other CPPs	5.83	120.74			
Total	41.79	806.57			1393
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.47	207.93	504	287	500
Trombay 6	7.29	134.89	501	155	500
Trombay 7A	2.98	52.01	127	121	120
Trombay 7B	1.64	29.65	69	68	60
Trombay 8	5.74	102.58	250	197	250
TATA Hydro	3.87	79.43	294	0	309
Total	31.99	606.50			1739
REL					
1&2	12.48	151.59	528	463	500
Total	12.48	151.59			500
Cent Sect					
Share					5921
Total					5921

MS PG CL	Thermal	100.68	1603.82			4120
	Thml+Gas	112.03	1792.68			4580
	Hydro	6.12	216.45			1426
	Total	118.15	2009.13			6006
State Total		210.20	3855.74			15559

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/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	4080	162	485	4727	85	1746	4796	4553	-508	-456	11044	96	11140	1954	13094	50.22
2	4069	157	490	4716	114	1552	4515	4112	-478	-359	10602	94	10696	1770	12466	50.20
3	4051	157	490	4698	139	1556	4404	4054	-477	-319	10575	110	10685	1680	12365	50.16
4	4032	167	490	4689	135	1555	4404	4074	-477	-316	10584	110	10694	1624	12318	50.11
5	4018	167	490	4675	138	1615	4357	4310	-476	-323	10791	110	10901	1618	12519	50.11
6	3996	157	490	4643	118	1673	4500	4917	-474	-332	11445	134	11579	1690	13269	50.01
7	3979	162	488	4629	150	1745	5168	5033	-471	-368	11516	227	11743	1782	13525	50.08
8	4238	170	490	4898	135	1743	5333	5518	-501	-442	11899	312	12211	1953	14164	50.15
9	4288	328	477	5093	129	1744	5337	5469	-500	-401	12085	343	12428	2218	14646	50.10
10	4201	420	473	5094	106	1697	5803	5867	-452	-467	12348	335	12683	2574	15257	49.96
11	4091	637	470	5198	51	1638	5932	5991	-515	-558	12372	471	12843	2811	15654	49.97
12	4142	615	463	5220	26	1624	6032	5958	-582	-557	12321	614	12935	2814	15749	50.05
13	4258	445	464	5167	18	1606	6040	5818	-542	-546	12113	681	12794	2805	15599	50.05
14	4316	209	461	4986	57	1610	5959	5821	-448	-483	12041	393	12434	2702	15136	50.09
15	4236	161	457	4854	112	1606	5949	5917	-473	-490	12049	142	12191	2715	14906	49.97
16	4150	156	457	4763	191	1540	5907	5994	-473	-477	12061	137	12198	2709	14907	49.97
17	4117	166	463	4746	382	1539	5867	5436	-448	-503	11650	127	11777	2689	14466	49.89
18	4287	161	465	4913	497	1530	5480	4953	-418	-436	11480	107	11587	2611	14198	50.04
19	4262	267	457	4986	546	1636	5666	5332	-410	-431	12119	78	12197	2587	14784	49.97
20	4352	462	465	5279	553	1640	5830	5702	-499	-511	12713	81	12794	2644	15438	49.88
21	4417	250	468	5135	403	1641	5849	5692	-501	-577	12344	80	12424	2596	15020	50.03
22	4409	176	473	5058	275	1665	5743	5598	-514	-573	12073	79	12152	2443	14595	50.10
23	4338	214	471	5023	159	1610	5788	5182	-549	-559	11495	60	11555	2291	13846	50.08
24	4352	159	453	4964	122	1606	5491	4745	-530	-536	11041	56	11097	2209	13306	50.08
MUs	100.68	6.12	11.35	118.15	4.64	39.12	130.15	126.05	-11.72	-11.02	280.76	4.98	285.74	55.49	341.23	50.05

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 20/Sep/2012

Position as on 6.30 Hrs of 21/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.	
Cent_Sect NTPC(K-3)	210	06/09/2012	00.13		Continued.	AOH.	
Koradi Unit 5	200	16/09/2012	04.23		Continued.	Low Bunkering, Converted to C O H from 20/09/2012.	
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	
Uran Unit 8	108	10/09/2012	21.07		Continued.	Gas shortage.	
Bhusawal Unit 4	500	14/09/2012	18.04	20/09/2012	19.07	P A Fan Problem.	
Bhusawal Unit 3	210	16/09/2012	14.20	20/09/2012	07.43	P A Fan Problem.	
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.	
CPP WPCL U-3	135	17/09/2012	14.53	20/09/2012	14.53	Fan Vibration problem.	
Chandrapur Unit 4	210	20/09/2012	08.45		Continued.	ID fan motor burnt.	
CPP WPCL U-1	135	20/09/2012	09.46		Continued.	I.D.fan vibration high.	
Khaparkheda Unit 1	210	20/09/2012	14.33	20/09/2012	16.54	Furnance pressure high.	
Khaparkheda Unit 4	210	20/09/2012	14.33	20/09/2012	16.54	Furnace pressure high.	
Bhusawal Unit 5	500	20/09/2012	19.25		Continued.	Main steam temp.low.	
Nasik Unit 4	210	21/09/2012	00.04		Continued.	ID fan problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Sep/2012

Position as on 6.30 Hrs of 21/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
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
Aurangabad-Deepnagar-II	07/09/2012	09.42		Continued.	Maint.Work,Daily Basis Line is Ready for Charging from 18.30 Hrs.
400/220 KV 315 MVA ICT - I @ Chakan	20/09/2012	09.55	20/09/2012	11.31	To attend hot spot.Taken on TBC.
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 14/10/2012)
Bhugaon-Pusad	20/09/2012	10.33	20/09/2012	17.12	Replacement of arching horn lock.
220/33 KV 100 MVA ICT - II @ Jamde	20/09/2012	10.49	20/09/2012	13.25	Attend oil leakage from top plate of zinal cold welding.
Malegaon - Satana - II	20/09/2012	11.27	20/09/2012	12.00	To attend sparking R ph. coupling condenser clamp.
Jejuri - Parvati	20/09/2012	23.28		Continued.	Retrofitting deistance relay.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Parbhani - Pathri	20/09/2012	10.40	20/09/2012	15.21	Replacement of faulty string.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Chandrapur - Parli - II	19/09/2012	17.09	20/09/2012	09.29	IPS tube clamp of R-Ph CT P-1 Stud.
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.
Kolhapur-Karad -I	18/09/2012	16.36	20/09/2012	09.12	Over Voltage.
Lonikand- Koyna Stage IV	20/09/2012	00.51	20/09/2012	06.44	Over Voltage.
Karad - Kolhapur - II	20/09/2012	16.38		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
Hingoli-Pusad	20/09/2012	10.29	20/09/2012	17.14	In view of Bhugaon-Pusad outage.
Babaleshwar - Alephata	20/09/2012	22.24	21/09/2012	04.07	To control lonikand-Parli line loading.
Padgha-Temghar I	20/09/2012	22.57		Continued.	Due to tripping of Padghe ICT-II.
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.
400/220KV 315 MVA ICT-II @ Padgha	20/09/2012	22.16	21/09/2012	00.31	NDR,LV protection operated.
Voltage Level : 220KV			Outage Type TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Sep/2012

Position as on 6.30 Hrs of 21/Sep/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Pedambe - Oni	20/09/2012	13.18	20/09/2012	13.40	Distance protection Z-1.
Karad-Kolhapur - II	20/09/2012	13.40	20/09/2012	13.55	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Sep/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	100
Unit 7	210	135
	620	235
Bhusawal		
Unit 2	210	140
Unit 3	210	150
Unit 4	500	0
Unit 5	500	0
	1420	290
Parli		
Unit 3	210	145
Unit 4	210	135
Unit 5	210	0
Unit 6	250	160
Unit 7	250	160
	1130	600
Chandrapur		
Unit 1	210	100
Unit 2	210	120
Unit 3	210	160
Unit 4	210	0
Unit 5	500	300
Unit 6	500	300
Unit 7	500	325
	2340	1305
Paras		
Unit 3	250	150
Unit 4	250	150
	500	300
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	160
Unit 4	210	160
Unit 5	500	370
	1340	1030
Nasik		
Unit 3	210	200
Unit 4	210	0
Unit 5	210	170
	630	370
Uran		
All Units	852	450
	852	450
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	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	10
BHIRA T.R.	80	80
RNGR+BHTSA	20	16
BHANDARDRA	45	16
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	226
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	1095
WARDHA	405	310
Adani	660	
Other CPPs	0	
	1665	1405
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	309
	2024	1739
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5674
	3455	5674