



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

State Load Dispatch Center, Airoli

Daily system Report

for

18/Sep/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 18/Sep/2012 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	94.845	1408.388	1) Gujrat	15.151	261.107
2) Hydro	17.038	203.493	2) Madhya Pradesh	23.031	374.526
3) Gas	9.945	166.097	3) Chattisgarh	10.760	201.890
Total MSGENCO	121.828	1777.978	4) Maharashtra	60.613	1089.953
B) 1) JSW JAIGAD	28.079	491.514	5) Goa	-5.339	-100.059
2) WPCL	7.178	116.425	6) TAPS 1&2 Injection	4.201	70.530
3) ADANI	0.000	2.880	7) RGPPL Injection	12.916	252.269
4) Other CPP / IPP	5.554	109.318	8) Pench (Excess)	-1.021	-13.235
5) Wind Generation	7.004	268.921	# Total Cent. Sector	120.312	2136.981
6) PENCH (MS)	1.021	13.280	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.768	-280.878
1) TPCL Thermal	28.459	476.158	G) Bilateral Power *		
2) TPCL Hydro	4.193	74.444	1) MSEDCL Bilateral	46.237	650.676
TOTAL TPCL	32.652	550.602	Include PX	9.142	26.716
3) REL Thermal	12.269	126.915	2) MUMBAI Bilateral	13.710	282.752
D) STATE			Include PX	1.567	76.527
1) Thermal (A1+C1+C3)	135.573	2011.461	3) MUMBAI Schedule	13.710	286.546
2) Hydro (A2+B5+C2)	22.252	291.217	H) ENERGY CATERED (MUs)		
3) Gas (A3)	9.945	166.097	1) MSEDCL	279.208	4636.419
4) Wind (B4)	7.004	268.921	2) TPCL	38.511	652.822
5) CPP (B1+B2+B3)	40.811	717.257	3) REL	18.177	305.549
TOTAL STATE	215.585	3454.953	TOTAL STATE	335.896	5594.790

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	4005	3964	3843
MSGENCO Hydro	1321	886	192
MSGENCO Gas	416	442	379
MSGENCO Total Generation	5742	5292	4414
Central Sector Receipt	5294	5013	4698
WIND	203	431	387
CPP / IPP	1722	1737	1610
Exchange with Mumbai	-580	-468	-441
MSEDCL DEMAND MET	12434	12058	10688
Load Shedding	618	622	222
MSEDCL DEMAND	13052	12680	10910
TPCL GENERATION	1719	1711	799
R-INFRA GENERATION	526	525	420
TPCL+R-INFRA DEMAND	2825	2704	1660
STATE DEMAND MET	15259	14762	12348
STATE DEMAND	15877	15384	12570
Frequency (Hz)	49.98	49.90	50.37

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.5 Hz at 02:50 Hrs	49.23 Hz at 14:41 Hrs	50.08	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 18/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	2.29	38.33	154	0	150
Unit 7	2.60	38.79	130	60	120
Total	4.90	105.52			270
Bhusawal					
Unit 2	2.96	50.88	135	110	150
Unit 3	0.00	0.86	0	0	0
Unit 4	0.00	0.16	0	0	0
Unit 5	2.85	23.62	192	0	0
Total	5.81	75.53			150
Parli					
Unit 3	3.52	39.87	163	120	135
Unit 4	3.48	32.26	175	112	120
Unit 5	0.00	12.66	0	0	0
Unit 6	1.16	40.96	140	0	0
Unit 7	3.71	56.64	195	110	120
Total	11.86	182.41			375
Chandrapur					
Unit 1	2.73	44.86	125	80	120
Unit 2	2.51	42.11	125	84	120
Unit 3	2.86	10.41	165	61	150
Unit 4	2.96	30.10	167	92	150
Unit 5	7.18	110.45	350	190	250
Unit 6	6.89	107.40	390	195	225
Unit 7	7.33	124.32	392	217	225
Total	32.45	469.65			1240
Paras					
Unit 3	3.55	52.74	176	111	130
Unit 4	3.49	49.60	176	114	130
Total	7.03	102.34			260
Khaparkheda					
Unit 1	3.44	58.62	175	0	180
Unit 2	3.87	62.55	190	140	160
Unit 3	4.34	59.45	191	173	180
Unit 4	4.26	68.58	190	170	180
Unit 5	5.18	38.58	404	0	370
Total	21.08	287.78			1070
Nasik					
Unit 3	4.02	72.32	190	135	200
Unit 4	3.94	72.09	180	152	190
Unit 5	3.76	40.76	174	144	180
Total	11.72	185.16			570
Uran					
All Units	9.94	166.10	481	364	350
Total	9.94	166.10			350
PENCH (MS)					
Pench (MS)	1.02	13.28	54	20	0
Total	1.02	13.28			0
Koyna					
Stage 1-2	4.21	51.25	520	40	600
Stage 4	5.81	36.72	839	0	250
Stage 3	2.66	27.86	316	0	320
Kovna 12&4 Total	10.02	87.97			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	12.68	115.83			1170
Hydro					
KDPH	0.93	13.99	39	38	36
VTRNA	0.00	1.02	0	0	61
TILLARI	0.27	10.00	57	0	60
BHTGR/VEER	0.43	4.64	19	18	15
BHIRA T.R.	0.28	7.09	80	0	80
RNGR+BHTSA	0.38	2.15	17	16	15
BHANDARDRA	0.52	13.37	22	21	17
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.31	21.39	60	52	30
GHATGHAR	0.24	14.01	125	0	0
Total	4.36	87.66			314
Wind					
MalharPeth	0.40	15.35			
Vankuswadi	0.72	25.62			
ATIT	0.12	5.96			
Kale	0.28	8.69			
Satara	1.70	42.24			
Shirala	0.25	10.34			
K Mahankal	0.03	24.60			
Supa	0.08	4.15			
Vita	1.13	50.77			
Dondaicha	1.38	43.22			
Sakri	0.32	8.95			
Nandurbar	0.13	3.35			
Khandke	0.11	16.74			
Khaparale	0.35	8.93			
Total	7.00	268.92			
CPP					
JSW JAIGAD	28.08	491.51	1197	1106	1093
WARDHA	7.18	116.42	310	273	310
Adani	0.00	2.88	0	0	
Other CPPs	5.55	109.32			
Total	40.81	720.14			1403
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.78	188.72	503	290	500
Trombay 6	7.86	123.85	501	155	500
Trombay 7A	2.69	46.04	126	97	120
Trombay 7B	1.55	26.36	69	59	60
Trombay 8	5.58	91.18	249	193	250
TATA Hydro	4.19	74.44	306	0	297
Total	32.65	550.60			1727
REL					
1&2	12.27	126.92	527	403	500
Total	12.27	126.92			500
Cent Sect					
Share					5351
Total					5351

MS PG CL	Thermal	94.84	1408.39			3935
	Thml+Gas	104.79	1574.48			4285
	Hydro	17.04	203.49			1484
	Total	121.83	1777.98			5769
State Total		215.58	3454.95			14750

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 18/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	3963	304	370	4637	453	1635	4725	4797	-517	-491	11082	141	11223	1966	13189	50.27
2	3919	187	379	4485	433	1625	4716	4776	-486	-457	10915	187	11102	1814	12916	50.31
3	3836	202	378	4416	382	1618	4721	4756	-486	-450	10742	201	10943	1717	12660	50.38
4	3843	192	379	4414	387	1610	4727	4698	-486	-441	10688	222	10910	1660	12570	50.37
5	3910	204	376	4490	397	1619	4765	4887	-485	-458	10988	258	11246	1662	12908	50.27
6	3928	414	365	4707	357	1637	4900	5059	-486	-450	11330	367	11697	1747	13444	50.11
7	3990	339	365	4694	328	1684	4932	4997	-484	-385	11338	839	12177	1874	14051	50.19
8	4160	432	364	4956	217	1730	4955	5109	-513	-347	11685	878	12563	2019	14582	50.16
9	4281	482	418	5181	241	1724	4817	4737	-512	-364	11573	981	12554	2292	14846	50.00
10	4262	483	418	5163	263	1734	5159	5228	-531	-415	12026	712	12738	2615	15353	49.95
11	4005	1321	416	5742	203	1722	5177	5294	-635	-580	12434	618	13052	2825	15877	49.98
12	3875	1550	413	5838	141	1718	5228	5138	-692	-596	12292	690	12982	2853	15835	49.93
13	3823	1218	421	5462	138	1727	5285	5433	-717	-603	12177	777	12954	2831	15785	49.97
14	3698	1152	418	5268	130	1730	5233	5263	-630	-611	11834	723	12557	2774	15331	50.01
15	3628	1577	422	5627	160	1731	4970	5219	-709	-656	12134	611	12745	2811	15556	49.80
16	3703	1735	420	5858	176	1733	4878	5019	-709	-652	12159	592	12751	2829	15580	50.03
17	3793	1452	421	5666	229	1739	4754	4836	-691	-563	11932	596	12528	2795	15323	50.08
18	3884	631	426	4941	445	1731	4941	4521	-582	-469	11223	602	11825	2737	14562	50.05
19	3931	543	426	4900	507	1737	4997	4755	-525	-441	11511	461	11972	2707	14679	49.94
20	3964	886	442	5292	431	1737	5178	5013	-560	-468	12058	622	12680	2704	15384	49.90
21	4148	416	478	5042	400	1734	5264	5147	-576	-460	11917	573	12490	2597	15087	50.16
22	4292	220	478	4990	279	1738	5313	5275	-587	-467	11868	513	12381	2426	14807	50.10
23	4124	388	471	4983	185	1715	5298	5304	-582	-478	11762	197	11959	2288	14247	49.85
24	3885	710	481	5076	122	1703	4999	5051	-531	-466	11540	146	11686	2146	13832	50.07
MUs	94.84	17.04	9.94	121.83	7.00	40.81	119.93	120.31	-13.71	-11.77	279.21	12.51	291.72	56.69	348.40	50.08

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 18/Sep/2012

Position as on 6.30 Hrs of 19/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.	
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	18/09/2012	16.09	Gas Shortage.	
Uran Unit 8	108	10/09/2012	21.07		Continued.	Gas shortage.	
Bhusawal Unit 4	500	14/09/2012	18.04		Continued.	P A Fan Problem.	
Cent_Sect Sipat-4	500	14/09/2012	19.02	18/09/2012	18.50	Due to 400KV Sipat-Rachi Line Tripped Due to C T Blast.	
Koradi Unit 5	200	16/09/2012	04.23		Continued.	Low Bunkering.	
Bhusawal Unit 3	210	16/09/2012	14.20		Continued.	P A Fan Problem.	
Cent_Sect NTPC(K-7)	500	16/09/2012	21.00		Continued.	Boiler Tube Leakage.	
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.	
Parli Unit 6	250	17/09/2012	03.37	18/09/2012	13.12	Low Bunker Level.	
CPP WPCL U-3	135	17/09/2012	14.53		Continued.	Fan Vibration problem.	
Khaparkheda Unit 5	500	18/09/2012	10.09	18/09/2012	17.35	FD fan problem.	
Koradi Unit 6	210	18/09/2012	10.52	18/09/2012	16.36	Furnace pressure high.	
Bhusawal Unit 5	500	18/09/2012	13.25	18/09/2012	15.51	Main steam temp.very low.	
Khaparkheda Unit 1	210	18/09/2012	17.25	18/09/2012	20.04	Vaccum protection malfunction.	
Khaparkheda Unit 1	210	19/09/2012	05.10		Continued.	Furnace pressure high.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 18/Sep/2012

Position as on 6.30 Hrs of 19/Sep/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Wardha (PG) - Warora - I	18/09/2012	11.57	18/09/2012	14.17	Oil leakage from Y ph CB.Ckt On through tie breaker.
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
Voltage Level : 400KV			Outage Type TRIPPED		
Warora - Tiroda - II	18/09/2012	13.44	18/09/2012	14.57	Trip at Warora end only.
Voltage Level : 220KV			Outage Type TRIPPED		
Kalmeshwar - Pandurna	18/09/2012	13.13	18/09/2012	14.06	Distance protection Z-1.
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.
Padgha - Kharghar	18/09/2012	07.03	18/09/2012	10.25	Attending hot spot on R PH. isolator jaw.
Jejuri Tie Ckt.Bkr.405	18/09/2012	11.41	18/09/2012	12.15	Replacement of CB pole discrepancy relay.
400/220 KV 315 MVA ICT-III @ Padgha	18/09/2012	14.58	18/09/2012	18.46	Attend hot spot.LV side 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 14/9/2012)
Karad-Vita-II	18/09/2012	09.30	18/09/2012	19.05	Replacement of broken insulator.
Nigade - Peth	18/09/2012	09.37	18/09/2012	10.44	Attend hot spot on CT.
Nivali-Pawas	18/09/2012	10.05	18/09/2012	11.01	Attending hot spot on B ph.breaker.
Mudshingi-Karad - IV	18/09/2012	10.51	18/09/2012	13.50	Q.M.Work
Lamboti - Pandharpur	18/09/2012	11.57	18/09/2012	14.38	Attending hot spot on Y ph.isolator. Taken on TBC.
Main Bus-I at Parli-I	18/09/2012	12.16		Continued.	Replacement of 220KV PTS.
Gadchandur-Virur-I	18/09/2012	12.33	18/09/2012	14.49	Attend CB compressor air leakage problem.
Amalner-Bambhori	18/09/2012	12.55	18/09/2012	16.30	Reconnection of jumpers.
Pawas-Kharepatan	18/09/2012	13.50	18/09/2012	15.10	Relay testing.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kalwa - Kalyan	18/09/2012	14.30	18/09/2012	16.46	Replacement of jumper.
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.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 18/Sep/2012

Position as on 6.30 Hrs of 19/Sep/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - II	17/09/2012	21.26	18/09/2012	09.08	Over Voltage.
Kolhapur-Karad -I	18/09/2012	16.36		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
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.
400/220 KV 500 MVA ICT - II at Khaparkheda	18/09/2012	06.35	18/09/2012	11.57	Differential protection operated.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 19/Sep/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	80
Unit 7	210	60
	620	140
Bhusawal		
Unit 2	210	150
Unit 3	210	0
Unit 4	500	
Unit 5	500	
	1420	150
Parli		
Unit 3	210	132
Unit 4	210	140
Unit 5	210	0
Unit 6	250	160
Unit 7	250	160
	1130	592
Chandrapur		
Unit 1	210	70
Unit 2	210	70
Unit 3	210	80
Unit 4	210	70
Unit 5	500	240
Unit 6	500	250
Unit 7	500	225
	2340	1005
Paras		
Unit 3	250	150
Unit 4	250	150
	500	300
Khaparkheda		
Unit 1	210	0
Unit 2	210	160
Unit 3	210	170
Unit 4	210	170
Unit 5	500	300
	1340	800
Nasik		
Unit 3	210	200
Unit 4	210	190
Unit 5	210	180
	630	570
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	56
BHTGR/VEER	21	20
BHIRA T.R.	80	80
RNGR+BHTSA	20	
BHANDARDRA	45	20
ELDARY	23	
SMLHY PTN	12	24
GHATGHAR	250	
	611	236
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	310
Adani	660	
Other CPPs	0	
	1665	1403
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	6108
	3455	6108