



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

State Load Dispatch Center, Airoli

Daily system Report

for

17/Sep/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 17/Sep/2012 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	90.196	1313.543	1) Gujrat	12.050	245.956
2) Hydro	22.176	186.455	2) Madhya Pradesh	19.485	351.495
3) Gas	8.668	156.152	3) Chattisgarh	11.500	191.130
Total MSGENCO	121.040	1656.150	4) Maharashtra	58.351	1029.340
B) OTHERS			5) Goa	-6.086	-94.720
1) JSW JAIGAD	28.016	463.435	6) TAPS 1&2 Injection	4.216	66.329
2) WPCL	8.113	109.247	7) RGPPL Injection	12.271	239.353
3) Other CPP / IPP	5.189	106.644	8) Pench (Excess)	-0.934	-12.214
4) Wind Generation	11.898	261.917	# Total Cent. Sector	110.853	2016.669
5) PENCH (MS)	0.979	12.259	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-14.592	-269.110
1) TPCL Thermal	24.517	447.699	G) Bilateral Power *		
2) TPCL Hydro	4.469	70.251	1) MSEDCL Bilateral	41.561	604.440
TOTAL TPCL	28.986	517.950	Include PX	4.129	17.574
3) REL Thermal	12.431	114.646	2) MUMBAI Bilateral	14.097	269.042
D) STATE			Include PX	0.000	74.960
1) Thermal (A1+C1+C3)	127.144	1875.888	3) MUMBAI Schedule	14.097	272.835
2) Hydro (A2+B5+C2)	27.624	268.965	H) ENERGY CATERED (MUs)		
3) Gas (A3)	8.668	156.152	1) MSEDCL	271.496	4357.211
4) Wind (B4)	11.898	261.917	2) TPCL	38.340	614.311
5) CPP (B1+B2+B3)	41.318	679.326	3) REL	17.665	287.372
TOTAL STATE	216.652	3242.248	TOTAL STATE	327.501	5258.894

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3861	3762	3549
MSGENCO Hydro	1247	1207	836
MSGENCO Gas	365	360	353
MSGENCO Total Generation	5473	5329	4738
Central Sector Receipt	5055	4902	3875
WIND	371	695	472
CPP / IPP	1772	1715	1660
Exchange with Mumbai	-691	-713	-395
MSEDCL DEMAND MET	12027	11978	10380
Load Shedding	653	573	197
MSEDCL DEMAND	12680	12551	10577
TPCL GENERATION	1653	1433	776
R-INFRA GENERATION	526	524	501
TPCL+R-INFRA DEMAND	2870	2670	1672
STATE DEMAND MET	14897	14648	12052
STATE DEMAND	15550	15221	12249
Frequency (Hz)	50.10	50.04	50.37

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.58 Hz at 03.11 Hrs	49.67 Hz at 20.18 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 17/Sep/2012

Generating unit	Generation				OLC (MW)	Generating unit	Generation				OLC (MW)	
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)			Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)		
Koradi						Total	17.87	103.16			1170	
Unit 5	0.00	28.39	0	0	0	Hydro						
Unit 6	2.02	36.04	119	0	100	KDPH	0.90	13.06	38	37	36	
Unit 7	0.32	36.19	115	0	0	VTRNA	0.16	1.02	61	0	61	
Total	2.34	100.62			100	TILLARI	0.19	9.72	60	0	60	
Bhusawal						BHTGR/VEER	0.37	4.21	16	15	26	
Unit 2	3.47	47.92	160	130	150	BHIRA T.R.	0.28	6.81	82	0	80	
Unit 3	0.00	0.86	0	0	0	RNGR+BHTSA	0.38	1.76	16	15	16	
Unit 4	0.00	0.16	0	0		BHANDARDRA	0.66	12.85	37	14	38	
Unit 5	3.37	20.78	216	5		ELDARY	0.00	0.00	0	0	0	
Total	6.84	69.72			150	SMLHY_PTN	1.04	20.08	50	41	8	
Parli						GHATGHAR	0.30	13.78	126	0	0	
Unit 3	3.26	36.36	163	103	135	Total	4.30	83.30			325	
Unit 4	0.29	28.79	106	0	0	Wind						
Unit 5	0.00	12.66	0	0	0	MalharPeth	0.47	14.95				
Unit 6	0.44	39.80	142	0	0	Vankuswadi	0.81	24.90				
Unit 7	2.31	52.93	141	56	80	ATIT	0.10	5.83				
Total	6.30	170.54			215	Kale	0.31	8.40				
Chandrapur						Satara	0.31	40.55				
Unit 1	2.79	42.14	132	80	110	Shirala	0.22	10.09				
Unit 2	2.68	39.61	130	74	80	K Mahankal	2.36	24.57				
Unit 3	2.73	7.55	156	52	60	Supa	0.23	4.07				
Unit 4	3.11	27.14	164	78	100	Vita	2.41	49.64				
Unit 5	7.57	103.28	375	230	300	Dondaicha	2.82	41.84				
Unit 6	7.30	100.50	355	225	275	Sakri	0.60	8.63				
Unit 7	6.34	116.98	340	200	300	Nandurbar	0.26	3.22				
Total	32.53	437.20			1225	Khandke	0.50	16.64				
Paras						Khaparale	0.49	8.58				
Unit 3	3.08	49.19	160	107	120	Total	11.90	261.92				
Unit 4	3.01	46.12	167	92	110	CPP						
Total	6.09	95.31			230	JSW_JAIGAD	28.02	463.44	1199	1106	1093	
Khaparkheda						WARDHA	8.11	109.25	377	262	370	
Unit 1	3.58	55.19	170	120	150	Other CPPs	5.19	106.64				
Unit 2	3.37	58.68	178	0	150	Total	41.32	679.33			1463	
Unit 3	4.10	55.11	185	148	160	Tata						
Unit 4	4.36	64.32	197	163	160	Trombay 4	0.00	0.00	0	0	0	
Unit 5	7.92	33.40	402	261	300	Trombay 5	8.24	177.94	501	0	500	
Total	23.34	266.71			920	Trombay 6	7.63	115.99	500	154	500	
Nasik						Trombay 7A	2.43	43.35	128	71	120	
Unit 3	4.70	68.30	210	170	200	Trombay 7B	0.60	24.81	61	0	60	
Unit 4	4.33	68.15	195	169	190	Trombay 8	5.63	85.60	241	225	250	
Unit 5	3.73	37.00	170	88	170	TATA Hydro	4.47	70.25	306	0	297	
Total	12.76	173.44			560	Total	28.99	517.95			1727	
Uran						REL						
All Units	8.67	156.15	365	351	350	1&2	12.43	114.65	527	454	500	
Total	8.67	156.15			350	Total	12.43	114.65			500	
PENCH (MS)						Cent Sect						
Pench (MS)	0.98	12.26	53	20		Share					5073	
Total	0.98	12.26				Total					5073	
Koyna												
Stage 1-2	4.86	47.04	545	45	600							
Stage 4	9.60	30.91	838	0	250							
Stage 3	3.41	25.21	314	0	320							
Koyna 12&4 Total	14.46	77.95			850							
						MS	Thermal	90.20	1313.54			3400
						PG	Thml+Gas	98.86	1469.70			3750
						CL	Hydro	22.18	186.46			1495
							Total	121.04	1656.15			5245
						State Total		216.65	3242.25			14008

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 17/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 SHEDDING	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	3506	1570	351	5427	602	1584	3810	3839	-545	-602	10900	141	11041	1904	12945	50.24
2	3458	1039	352	4849	552	1687	4041	3814	-514	-444	10508	184	10692	1760	12452	50.19
3	3549	836	353	4738	472	1660	4059	3875	-514	-395	10380	197	10577	1672	12249	50.37
4	3502	780	364	4646	365	1663	4082	3999	-514	-283	10420	214	10634	1616	12250	50.39
5	3446	720	364	4530	392	1687	4090	4023	-514	-255	10410	248	10658	1596	12254	50.35
6	3504	699	365	4568	403	1699	4572	4473	-514	-306	10890	370	11260	1667	12927	50.02
7	3662	545	365	4572	377	1698	4614	4553	-515	-464	10756	912	11668	1799	13467	50.26
8	3764	606	365	4735	373	1779	4644	4719	-545	-556	11070	969	12039	2005	14044	50.33
9	3773	840	362	4975	399	1793	4644	4487	-545	-508	11166	1008	12174	2286	14460	50.26
10	3718	1163	361	5242	446	1790	4937	4957	-569	-610	11845	664	12509	2633	15142	50.20
11	3783	1479	365	5627	367	1789	5081	4881	-741	-694	12016	559	12575	2833	15408	50.12
12	3861	1247	365	5473	371	1772	5162	5055	-790	-691	12027	653	12680	2870	15550	50.10
13	3949	1136	365	5450	338	1777	5165	4874	-753	-705	11781	748	12529	2857	15386	50.14
14	4099	728	365	5192	323	1786	5089	5054	-674	-675	11727	680	12407	2751	15158	50.20
15	3991	1432	359	5782	318	1740	4640	4912	-698	-930	11869	579	12448	2788	15236	50.04
16	3941	1797	358	6096	444	1712	4611	4674	-625	-1114	11859	606	12465	2784	15249	50.11
17	3888	1360	360	5608	667	1702	4598	4656	-619	-1012	11668	598	12266	2766	15032	50.10
18	3846	338	361	4545	695	1702	4655	4473	-590	-800	10665	613	11278	2688	13966	50.01
19	3777	706	360	4843	689	1715	4748	5034	-517	-708	11623	434	12057	2644	14701	50.04
20	3762	1207	360	5329	695	1715	5031	4902	-537	-713	11978	573	12551	2670	15221	50.04
21	3750	564	362	4676	752	1725	5081	5201	-567	-628	11776	532	12308	2563	14871	50.04
22	3849	322	362	4533	647	1724	5146	4830	-587	-512	11272	502	11774	2417	14191	50.21
23	3917	537	362	4816	626	1723	4835	4885	-577	-564	11539	218	11757	2300	14057	50.17
24	3901	525	362	4788	585	1696	4530	4684	-535	-423	11352	159	11511	2140	13651	50.21
MUs	90.20	22.18	8.67	121.04	11.90	41.32	111.86	110.85	-14.10	-14.59	271.50	12.36	283.86	56.01	339.87	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 17/Sep/2012

Position as on 6.30 Hrs of 18/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		Continued.	Gas Shortage.	
Uran Unit 8	108	10/09/2012	21.07		Continued.	Gas shortage.	
Parli Unit 4	210	11/09/2012	13.15	17/09/2012	19.47	Coal 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		Continued.	Due to 400KV Sipat-Rachi Line Tripped Due to C T Blast.	
Cent_Sect Sipat U-1	660	15/09/2012	07.01	17/09/2012	19.01	Boiler Tube Leakage.	
Koradi Unit 5	200	16/09/2012	04.23		Continued.	Low Bunkering.	
Koradi Unit 7	210	16/09/2012	10.35	17/09/2012	19.18	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.	
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.	
Tata Trombay 7B	60	17/09/2012	01.49	17/09/2012	15.12	Flue Gas diverted Damper heavy oil leakage	
Parli Unit 6	250	17/09/2012	03.37		Continued.	Low Bunker Level.	
Koradi Unit 6	210	17/09/2012	09.40	17/09/2012	12.04	Furnace Pressure High.	
Tata Trombay 5	500	17/09/2012	14.34	17/09/2012	15.12	F.D.Fan Tripped.	
CPP WPCL U-3	135	17/09/2012	14.53		Continued.	Fan Vibration problem.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 17/Sep/2012

Position as on 6.30 Hrs of 18/Sep/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d 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
Wardha - Akola - II	16/09/2012	21.34	17/09/2012	09.41	Over Voltage.
Parli-Parli (PGCIL) I	16/09/2012	23.52	17/09/2012	10.40	Over Voltage.
Akola - Aurangabad - II	17/09/2012	00.03	17/09/2012	08.36	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
New Koyna - Karad - I	03/09/2012	11.52	17/09/2012	10.53	Relay testing work.(Charged through TBC)
Aurangabad-Deepnagar-II	07/09/2012	09.42		Continued.	Maint.Work,Daily Basis Line is Ready for Charging from 18.30 Hrs.
Kalwa - Lonikand	17/09/2012	12.05	17/09/2012	14.50	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.	Augumentation by 200MVA ICT(work up to 14/9/2012)
Main Bus-II At 220 KV BBSLR	01/09/2012	20.37	17/09/2012	17.22	Replacement & Conversion of Twin Conductor to Quadrapale Conductor.
220/132 KV 200 MVA ICT I at BSL-II	17/09/2012	08.52	17/09/2012	16.29	Tan delta SFRA of ICT and Tan delta of CT.
Talangade - Mumewadi	17/09/2012	11.00	17/09/2012	18.13	Testing work.
Deepnagar - Bambhori	17/09/2012	11.52	17/09/2012	19.06	Jumper connection work.
Jejuri-Jejuri I	17/09/2012	12.20	17/09/2012	12.52	Repl.of PD relay.Taken on TBC.
Karad-Wathar	17/09/2012	12.51	17/09/2012	14.26	Testing work.
Mudshingi-Wathar	17/09/2012	15.30	17/09/2012	16.40	Testing work.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kandalgaon-Roha-I	17/09/2012	09.30	17/09/2012	17.12	Maint.work.
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	16/09/2012	16.31	17/09/2012	09.43	Over Voltage.
Lonikand- Koyna Stage IV	17/09/2012	00.04	17/09/2012	07.45	Over Voltage.
Karad-New Koyna II	17/09/2012	00.18	17/09/2012	08.52	Over Voltage.
Karad - Kolhapur - II	17/09/2012	21.26		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	17/09/2012	10.45	Conductor Broken Indication.
Voltage Level : 400KV			Outage Type TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 17/Sep/2012

Position as on 6.30 Hrs of 18/Sep/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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-I @ Jejuri	17/09/2012	18.15	17/09/2012	18.49	LBB Operated, Due to Jejuri-Parvati tripped.
Voltage Level : 220KV		Outage Type TRIPPED			
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
220/22KV 100MVA T/F I at Parvati	17/09/2012	13.45	17/09/2012	13.50	22KV feeders (3Nos)tripped.
220/22KV 50MVA T/F 3 at Parvati	17/09/2012	13.45	17/09/2012	13.53	22KV feeders (3Nos)tripped.
220/22KV T/F 4 at Parvati	17/09/2012	13.45	17/09/2012	13.58	22KV feeders (3Nos)tripped.
Jejuri - Parvati	17/09/2012	18.15	17/09/2012	19.10	Distance Protection.
220 KV Bus - I @ Jejuri	17/09/2012	18.15	17/09/2012	18.47	LBB Operated, due to Jejuri-Parvati tripped.
Jejuri-Jejuri I	17/09/2012	18.15	17/09/2012	18.48	LBB Operated.
Voltage Level : 132KV		Outage Type TRIPPED			
Jalna - Ambad	17/09/2012	04.40	17/09/2012	04.47	Distance protection.
Kanhan - Mansar.	17/09/2012	11.20	17/09/2012	16.06	Main Bkr problem at Mansar end.

State Load Dispatch Center, Airoli (MSETCL)

Details of On Line Capacity for 18/Sep/2012

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi			TILLARI	60	60
Unit 5	200	0	BHTGR/VEER	21	15
Unit 6	210	150	BHIRA T.R.	80	80
Unit 7	210	120	RNGR+BHTSA	20	15
	620	270	BHANDARDRA	45	17
Bhusawal			ELDARY	23	0
Unit 2	210	150	SMLHY_PTIN	12	30
Unit 3	210	0	GHATGHAR	250	0
Unit 4	500	0		611	314
Unit 5	500	0	Wind		
	1420	150	MalharPeth	0	
Parli			Vankuswadi	0	
Unit 3	210	135	ATIT	0	
Unit 4	210	120	Kale	0	
Unit 5	210	0	Satara	0	
Unit 6	250	0	Shirala	0	
Unit 7	250	120	K Mahankal	0	
	1130	375	Supa	0	
Chandrapur			Vita	0	
Unit 1	210	120	Dondaicha	0	
Unit 2	210	120	Sakri	0	
Unit 3	210	150	Nandurbar	0	
Unit 4	210	150	Khandke	0	
Unit 5	500	250	Khaparale	0	
Unit 6	500	225		0	
Unit 7	500	225	CPP		
	2340	1240	JSW_JAIGAD	600	1093
Paras			WARDHA	405	310
Unit 3	250	130	Other_CPPs	0	
Unit 4	250	130		1005	1403
	500	260	Tata		
Khaparkheda			Trombay 4	150	0
Unit 1	210	180	Trombay 5	500	500
Unit 2	210	160	Trombay 6	500	500
Unit 3	210	180	Trombay 7A	120	120
Unit 4	210	180	Trombay 7B	60	60
Unit 5	500	370	Trombay 8	250	250
	1340	1070	TATA Hydro	444	297
Nasik				2024	1727
Unit 3	210	200	REL		
Unit 4	210	190	1&2	500	500
Unit 5	210	180		500	500
	630	570	Cent Sect		
Uran			Share	3455	5351
All Units	852	350		3455	5351
	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			
				18400	14750