



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

State Load Dispatch Center, Airoli

Daily system Report

for

23/Sep/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 23/Sep/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	88.589	1878.219	1) Gujrat	16.298	341.085
2) Hydro	7.352	240.194	2) Madhya Pradesh	21.032	479.394
3) Gas	7.502	212.592	3) Chattisgarh	10.700	254.970
Total MSGENCO	103.443	2331.005	4) Maharashtra	65.314	1420.913
B) 1) JSW JAIGAD	26.970	627.846	5) Goa	-6.057	-128.826
2) WPCL	6.746	149.451	6) TAPS 1&2 Injection	4.046	91.318
3) ADANI	8.320	37.470	7) RGPPL Injection	14.800	321.452
4) Other CPP / IPP	5.259	136.501	8) Pench (Excess)	-1.012	-18.550
5) Wind Generation	7.909	296.098	# Total Cent. Sector	125.121	2761.756
6) PENCH (MS)	1.012	18.595	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-8.752	-334.031
1) TPCL Thermal	23.761	604.491	G) Bilateral Power *		
2) TPCL Hydro	0.519	87.971	1) MSEDCL Bilateral	39.403	866.814
TOTAL TPCL	24.280	692.462	Include PX	6.052	64.175
3) REL Thermal	12.584	189.354	2) MUMBAI Bilateral	12.229	346.612
D) STATE			Include PX	-0.249	80.105
1) Thermal (A1+C1+C3)	124.934	2672.064	3) MUMBAI Schedule	12.229	350.406
2) Hydro (A2+B5+C2)	8.883	346.760	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.502	212.592	1) MSEDCL	276.028	6024.691
4) Wind (B4)	7.909	296.098	2) TPCL	29.940	825.457
5) CPP (B1+B2+B3)	47.295	922.118	3) REL	15.674	390.358
TOTAL STATE	196.523	4449.632	TOTAL STATE	321.642	7240.506

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	3629	3783	3706
MSGENCO Hydro	731	676	148
MSGENCO Gas	311	313	314
MSGENCO Total Generation	4671	4772	4168
Central Sector Receipt	5567	5487	4730
WIND	140	580	282
CPP / IPP	1672	1607	1629
Exchange with Mumbai	-353	-450	-227
MSEDCL DEMAND MET	12076	12509	10952
Load Shedding	592	108	30
MSEDCL DEMAND	12668	12617	10982
TPCL GENERATION	1181	1181	841
R-INFRA GENERATION	523	523	525
TPCL+R-INFRA DEMAND	2057	2154	1593
STATE DEMAND MET	14133	14663	12545
STATE DEMAND	14725	14771	12575
Frequency (Hz)	50.15	50.10	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.62 Hz at 18.02 Hrs	49.48 Hz at 22.04 Hrs	50.11	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 23/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	2.87	49.43	146	84	135
Unit 7	0.00	45.23	0	0	0
Total	2.87	123.05			135
Bhusawal					
Unit 2	2.32	65.68	125	50	140
Unit 3	2.20	10.87	130	0	150
Unit 4	5.04	14.37	255	147	
Unit 5	1.11	29.91	101	0	
Total	10.66	120.84			290
Parli					
Unit 3	3.40	56.73	158	109	160
Unit 4	3.69	48.59	166	137	150
Unit 5	0.00	12.66	0	0	0
Unit 6	3.68	60.02	177	132	160
Unit 7	3.87	76.94	183	117	175
Total	14.64	254.94			645
Chandrapur					
Unit 1	3.37	59.83	146	132	150
Unit 2	3.35	56.86	146	132	150
Unit 3	3.56	26.61	170	125	150
Unit 4	0.00	32.82	0	0	0
Unit 5	4.98	141.91	235	165	225
Unit 6	6.41	144.03	350	145	325
Unit 7	5.79	157.47	290	200	200
Total	27.46	619.53			1200
Paras					
Unit 3	2.79	68.78	142	81	150
Unit 4	2.92	66.44	154	0	150
Total	5.71	135.23			300
Khaparkheda					
Unit 1	2.88	74.22	145	80	140
Unit 2	3.59	80.73	170	135	150
Unit 3	3.64	77.44	158	134	140
Unit 4	3.48	86.74	164	126	140
Unit 5	5.36	71.70	296	192	250
Total	18.94	390.84			820
Nasik					
Unit 3	4.54	94.30	210	160	200
Unit 4	0.00	79.55	0	0	0
Unit 5	3.75	59.94	170	143	170
Total	8.30	233.79			370
Uran					
All Units	7.50	212.59	318	298	290
Total	7.50	212.59			290
PENCH (MS)					
Pench (MS)	1.01	18.60	53	17	
Total	1.01	18.60			
Koyna					
Stage 1-2	2.70	63.74	415	40	600
Stage 4	0.47	38.76	243	0	250
Stage 3	0.29	31.41	122	0	320
Kovna 12&4 Total	3.17	102.50			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.46	133.91			1170
Hydro					
KDPH	0.47	18.18	40	0	36
VTRNA	0.00	1.02	0	0	0
TILLARI	0.08	10.89	57	0	60
BHTGR/VEER	0.20	5.70	9	8	9
BHIRA T.R.	0.21	8.21	78	0	80
RNGR+BHTSA	0.39	4.08	17	16	16
BHANDARDRA	0.30	15.12	35	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.70	25.81	35	26	7
GHATGHAR	1.54	17.29	250	0	0
Total	3.90	106.29			208
Wind					
MalharPeth	0.23	16.58			
Vankuswadi	0.35	27.35			
ATIT	0.04	6.27			
Kale	0.14	9.35			
Satara	0.11	44.45			
Shirala	0.14	10.96			
K Mahankal	0.92	26.05			
Supa	0.02	4.38			
Vita	1.03	54.49			
Dondaicha	3.61	54.22			
Sakri	0.50	10.40			
Nandurbar	0.34	4.52			
Khandke	0.08	17.18			
Khaparale	0.38	9.88			
Total	7.91	296.10			
CPP					
JSW JAIGAD	26.97	627.85	1192	1096	1095
WARDHA	6.75	149.45	304	248	310
Adani	8.32	37.47	460	300	
Other CPPs	5.26	136.50			
Total	47.30	951.27			1405
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.42	238.34	501	285	500
Trombay 6	3.87	152.55	211	156	500
Trombay 7A	3.00	59.47	127	124	120
Trombay 7B	1.65	34.16	70	68	60
Trombay 8	5.83	119.97	253	200	250
TATA Hydro	0.52	87.97	115	0	297
Total	24.28	692.46			1727
REL					
1&2	12.58	189.35	526	523	500
Total	12.58	189.35			500
Cent Sect					
Share					5647
Total					5647

MS PG CL	Thermal	88.59	1878.22			3760
	Thml+Gas	96.09	2090.81			4050
	Hydro	7.35	240.19			1378
	Total	103.44	2331.00			5428
State Total		196.52	4449.63			14707

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 23/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	3623	203	314	4140	318	1631	5229	4891	-536	-430	10989	13	11002	1950	12952	50.08
2	3695	143	314	4152	381	1600	5185	4820	-496	-369	10981	31	11012	1785	12797	50.09
3	3653	148	313	4114	314	1620	4696	4813	-462	-294	10955	29	10984	1680	12664	50.15
4	3734	148	314	4196	282	1629	4693	4743	-443	-259	10928	30	10958	1623	12581	50.15
5	3706	148	314	4168	282	1629	4709	4730	-431	-227	10952	30	10982	1593	12575	50.01
6	3753	148	315	4216	288	1624	5322	5279	-425	-254	11513	52	11565	1645	13210	50.05
7	3743	153	315	4211	283	1607	5426	5280	-426	-235	11496	143	11639	1654	13293	50.15
8	3725	191	315	4231	151	1613	5297	5383	-472	-263	11475	578	12053	1677	13730	50.09
9	3655	283	313	4251	164	1619	5335	5487	-500	-332	11599	682	12281	1772	14053	50.15
10	3658	447	311	4416	203	1615	5417	5228	-527	-321	11524	464	11988	1898	13886	50.16
11	3517	800	315	4632	145	1664	5385	5591	-530	-359	12036	456	12492	2014	14506	50.10
12	3629	731	311	4671	140	1672	5389	5567	-532	-353	12076	592	12668	2057	14725	50.15
13	3668	557	309	4534	96	1674	5401	5555	-536	-358	11873	721	12594	2024	14618	50.20
14	3689	250	309	4248	116	1723	5412	5422	-539	-391	11521	631	12152	1985	14137	50.09
15	3789	230	312	4331	181	1678	5114	5574	-538	-363	11764	509	12273	1943	14216	50.11
16	3686	466	312	4464	252	1614	5111	5403	-534	-367	11789	425	12214	1902	14116	50.11
17	3688	402	312	4402	424	1593	4811	4851	-531	-406	11239	353	11592	1882	13474	50.00
18	3681	130	313	4124	633	1561	4934	4616	-526	-479	10806	299	11105	1902	13007	50.15
19	3723	301	315	4339	482	1589	5205	5213	-519	-459	11587	101	11688	2000	13688	50.10
20	3783	676	313	4772	580	1607	5505	5487	-543	-450	12509	108	12617	2154	14771	50.10
21	3873	244	311	4428	582	1591	5673	5409	-544	-420	11982	108	12090	2153	14243	50.12
22	3776	127	298	4201	591	1604	5679	5390	-549	-445	11712	106	11818	2143	13961	50.14
23	3640	168	316	4124	524	1586	5373	5270	-564	-470	11444	79	11523	2123	13646	50.00
24	3502	258	318	4078	497	1632	5015	5120	-526	-448	11279	67	11346	2057	13403	50.10
MUs	88.59	7.35	7.50	103.44	7.91	38.98	125.32	125.12	-12.23	-8.75	276.03	6.61	282.64	45.62	328.25	50.11

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 23/Sep/2012

Position as on 6.30 Hrs of 24/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.	
Parli Unit 5	210	06/09/2012	04.20		Continued.	Flame failure,converted to C.O.H from 15.09.2012(intimated on	25/10/2012
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.	Buchollz relay alarm.	
Uran Unit 8	108	10/09/2012	21.07		Continued.	Gas shortage.	
Cent_Sect NTPC(V-2)	210	17/09/2012	00.39	24/09/2012	01.18	Coal Shortage.	
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.	
Nasik Unit 4	210	21/09/2012	00.04	24/09/2012	04.00	ID fan problem.	
Uran Unit 7	108	21/09/2012	02.53		Continued.	Gas Shortage.	
Bhusawal Unit 5	500	21/09/2012	17.28	23/09/2012	05.37	Boiler Problem.	
Koradi Unit 7	210	22/09/2012	06.31		Continued.	Coal Shortage.	
Dabhol 3A	230	23/09/2012	09.35		Continued.	Gas Shortage.	
Bhusawal Unit 3	210	23/09/2012	09.44	23/09/2012	12.20	Furnace Draft.	
Bhusawal Unit 5	500	23/09/2012	13.06	23/09/2012	18.21	Failure of Vaccume Pump.	
Paras Unit 4	250	23/09/2012	22.41	24/09/2012	01.15	Flame Failure.	
Bhusawal Unit 4	500	24/09/2012	01.35		Continued.	Boiler Tube Leakage.	
CPP JSW (J) U3	300	24/09/2012	05.00		Continued.	ESP Maint.Work.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 23/Sep/2012

Position as on 6.30 Hrs of 24/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		
Kolhapur-Solapur (PG) II	07/09/2012	16.14		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	13/09/2012	16.45		Continued.	Over Voltage
Kolhapur - Mapusa - II	22/09/2012	16.30		Continued.	Over Voltage.
Seoni-Wardha-II 765KV.	24/09/2012	00.18		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.
400/220KV 500MVA ICT- I at Khaperkheda	23/09/2012	09.04	23/09/2012	19.02	Dismantling of Damaged Breaker Pole.
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)
Bus Coupler @ Varsoa	23/09/2012	09.17	23/09/2012	15.56	Annual Maintenance.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220KV 315MVA ICT-II @ BLSR	23/09/2012	17.16	23/09/2012	20.48	To Attend Red Hot on Y & B Ph.220 KV Bushing.
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	22/09/2012	16.38	23/09/2012	09.10	Over Voltage.
Karad - Kolhapur - I	23/09/2012	16.35		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
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.
Voltage Level : 220KV			Outage Type TRIPPED		
Khaparkheda-Kawlewada-I	22/09/2012	13.12		Continued.	Distance Protection Operated Z-I.
Khaperkheda - Kalmeshwar	23/09/2012	15.52	23/09/2012	23.03	Distance Protection Operated Z-I R-E,@ Loc. No.40 R Ph. Suspension String Shattered.
Halkarni-Tillary	24/09/2012	05.13		Continued.	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Nanded - Umri	23/09/2012	02.09	23/09/2012	02.15	Distance Protection Operated Zone-I R Ph
Kanhan - Bhandara	23/09/2012	05.20	23/09/2012	06.40	A/R Relay Problem.
Kalmeshwar-Saoner	23/09/2012	16.13		Continued.	Distance Protection Operated Z-I Y Ph,Conductor Snapped.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 24/Sep/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	120
Unit 7	210	0
	620	120
Bhusawal		
Unit 2	210	130
Unit 3	210	130
Unit 4	500	
Unit 5	500	
	1420	260
Parli		
Unit 3	210	152
Unit 4	210	160
Unit 5	210	0
Unit 6	250	160
Unit 7	250	160
	1130	632
Chandrapur		
Unit 1	210	150
Unit 2	210	140
Unit 3	210	150
Unit 4	210	0
Unit 5	500	250
Unit 6	500	275
Unit 7	500	250
	2340	1215
Paras		
Unit 3	250	135
Unit 4	250	135
	500	270
Khaparkheda		
Unit 1	210	155
Unit 2	210	150
Unit 3	210	145
Unit 4	210	145
Unit 5	500	300
	1340	895
Nasik		
Unit 3	210	200
Unit 4	210	60
Unit 5	210	170
	630	430
Uran		
All Units	852	290
	852	290
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	8
BHIRA T.R.	80	80
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	0
	611	209
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	820
WARDHA	405	340
Adani	660	
Other CPPs	0	
	1665	1160
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	5731
	3455	5731

	19060	14609
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