



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

State Load Dispatch Center, Airoli

Daily system Report

for

27/Aug/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/Aug/2011 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	67.900	1959.162	1) Madhya Pradesh	43.435	1298.709
2) Hydro	7.432	395.780	2) Gujrat	42.190	1192.251
3) Gas	14.988	333.158	3) Goa	-6.524	-156.207
Total MSGENCO	90.320	2688.100	4) TAPS 1&2 (Inj.)	6.213	209.328
B) OTHERS			5) Pench (Excess)	-0.198	-5.365
1) RGPPL Gas	29.673	987.610	# Total Cent. Sector	85.116	2538.716
2) Wind Generation	25.539	492.791	F) Other Exchanges		
3) CPP	18.791	583.242	1) With TPCL (Excess)	-15.557	-355.128
4) PENCH (MS)	0.198	6.951	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	18.475	618.923
1) TPCL Thermal	23.787	602.341	Include PX	3.829	159.374
2) TPCL Hydro	3.449	138.529	2) MUMBAI Bilateral	16.257	352.765
TOTAL TPCL	27.236	740.870	Include PX	3.873	18.381
3) REL Thermal	6.272	313.355	3) MUMBAI Schedule	16.257	357.266
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	97.959	2874.858	1) MSEDCL	234.080	6942.282
2) Hydro (A2+B3+C2)	11.079	541.260	2) TPCL	33.014	936.171
3) Gas (A3+B1)	44.661	1320.768	3) REL	16.049	472.970
4) Wind (B2)	25.539	492.791	TOTAL STATE	283.143	8351.423
5) CPP (B3)	18.791	583.242			
TOTAL STATE	198.029	5812.919			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	2941	2749	2878
MSGENCO Hydro	324	652	168
MSGENCO Gas	630	622	622
MSGENCO Total Generation	3895	4023	3668
Central Sector Receipt	3993	4112	2943
RGPPL	1186	1295	1189
WIND	1092	1052	1058
CPP	749	883	820
Exchange with Mumbai	-845	-684	-502
MSEDCL DEMAND MET	10070	10731	9176
Load Shedding (LS)	50	47	45
MSEDCL DEMAND (INCL. LS)	10120	10778	9221
TPCL GENERATION	1375	1323	777
REL GENERATION	262	262	260
TPCL+REL DEMAND	2482	2269	1539
STATE DEMAND MET	12552	13000	10715
Load Management (LM)	935	1806	907
Total Load Relief (LS+LM)	985	1853	952
UNRESTRICTED STATE DEMAND	13537	14853	11667
Frequency (Hz)	49.97	49.90	49.79

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.39 Hz at 08.01 Hrs	49.36 Hz at 19.21 Hrs	49.9	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 27/Aug/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.69	85.73	162	145	160
Unit 6	3.42	70.28	155	99	147
Unit 7	4.31	91.24	190	160	176
	11.42	247.25			483
Bhusawal					
Unit 2	0.00	58.80	0	0	0
Unit 3	3.16	65.80	165	110	120
Unit 4	0.00	0.00	0	0	
	3.16	124.60			120
Parli					
Unit 3	0.00	3.78	0	0	0
Unit 4	2.90	70.62	154	106	120
Unit 5	2.94	40.13	155	97	130
Unit 6	2.38	44.70	130	70	100
Unit 7	0.00	65.16	0	0	0
	8.22	224.38			350
Chandrapur					
Unit 1	2.51	80.72	140	66	140
Unit 2	2.29	73.77	128	48	125
Unit 3	2.28	82.57	143	50	140
Unit 4	0.00	53.08	0	0	0
Unit 5	6.46	216.70	340	215	300
Unit 6	6.04	142.95	285	215	260
Unit 7	0.00	0.00	0	0	0
	19.57	649.79			965
Paras					
Unit 3	0.00	53.20	0	0	0
Unit 4	3.31	78.16	169	81	140
	3.31	131.36			140
Khaparkheda					
Unit 1	3.65	98.05	160	145	150
Unit 2	3.70	101.44	167	140	150
Unit 3	3.84	105.03	172	148	160
Unit 4	3.70	98.68	164	147	160
Unit 5	3.20	12.97	200	0	
	18.09	416.16			620
Nasik					
Unit 1	0.00	0.00	0	0	
Unit 2	0.00	0.00	0	0	
Unit 3	2.05	13.94	100	65	82
Unit 4	0.00	75.56	0	0	0
Unit 5	2.08	76.12	126	44	122
	4.13	165.61			204
Uran					
All Units	14.99	333.16	638	613	600
	14.99	333.16			600
Dabhol					
RGPPL	29.67	987.61	1302	1185	1270
	29.67	987.61			1270
Koyna					
Stage 1-2	1.06	82.36	85	30	600
Stage 4	0.00	130.57	0	0	250
Stage 3	1.58	60.82	252	0	320
	2.64	273.75			1170
Kovna 12&4 Total	1.06	212.93			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.92	23.15	39	37	0
VTRNA	0.00	2.42	0	0	61
TILLARI	0.69	19.44	60	0	60
BHTGR/VEER	0.14	4.83	6	5	7
BHIRA T.R.	0.50	12.61	82	0	80
RNGR+BHTSA	0.15	1.51	17	2	2
BHANDARDRA	0.70	13.38	29	29	29
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.09	34.18	53	42	9
GHATGHAR	0.60	10.49	250	0	0
	4.80	122.03			248
PENCH (MS)					
Pench (MS)	0.20	6.95	50	0	
	0.20	6.95			
Wind					
MalharPeth	2.01	29.60			
Vankuswadi	2.37	46.40			
ATIT	1.42	11.22			
Kale	0.76	14.56			
Satara	2.35	58.34			
Shirala	1.10	16.51			
K Mahankal	0.82	20.49			
Supa	0.30	6.70			
Vita	3.48	67.10			
Dondaicha	6.43	133.79			
Sakri	0.91	22.84			
Nandurbar	0.71	13.79			
Khandke	1.61	28.92			
Khaparale	1.27	22.51			
	25.54	492.79			
CPP					
JSW JAIGAD	10.27	343.19	526	334	480
WARDHA	6.12	163.70	264	218	260
Other CPPs	2.40	76.36			
	18.79	583.24			740
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.56	307.68	490	275	490
Trombay 6	4.23	174.18	310	155	500
Trombay 7A	3.06	57.15	128	125	120
Trombay 7B	1.62	30.73	69	65	60
Trombay 8	4.32	32.60	215	150	210
TATA Hydro	3.45	138.53	319	0	375
	27.24	740.87			1755
REL					
1&2	6.27	313.36	262	260	250
	6.27	313.36			250
Cent Sect					
Share					3997
					3997

MS PG CL	Thermal	67.90	1959.16		2882
	Thml+Gas	82.89	2292.32		3482
	Hydro	7.43	395.78		1418
	Total	90.32	2688.10		4900
State Total		198.03	5812.92		12912

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/Aug/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAN D WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS														
1	2851	153	622	3626	1294	1073	841	3762	3342	-679	-645	9531	1065	9576	1814	12410	49.93
2	2814	168	617	3599	1296	1214	835	3690	2947	-566	-579	9312	996	9357	1651	11959	49.94
3	2857	163	616	3636	1246	1254	802	3675	2776	-527	-536	9178	994	9223	1584	11756	49.89
4	2878	168	622	3668	1189	1058	820	3679	2943	-507	-502	9176	952	9221	1539	11667	49.79
5	2900	158	618	3676	1194	1101	817	3683	2883	-507	-473	9198	948	9243	1548	11694	49.84
6	2866	149	629	3644	1281	1123	831	3977	2941	-507	-456	9364	1024	9409	1611	11999	49.78
7	2960	164	634	3758	1295	1045	833	3996	3058	-557	-430	9559	1027	9607	1663	12249	50.08
8	2972	205	638	3815	1296	1201	840	4025	3216	-586	-502	9866	1027	9914	1780	12673	50.07
9	3008	255	631	3894	1287	958	836	4035	3521	-645	-579	9917	1027	9965	2014	12958	49.96
10	2958	275	628	3861	1187	1058	769	4146	3856	-718	-682	10049	1037	10100	2308	13394	49.99
11	2941	324	630	3895	1186	1092	749	4152	3993	-718	-845	10070	985	10120	2482	13537	49.97
12	2942	391	628	3961	1186	983	744	4218	3875	-782	-878	9871	949	9919	2513	13333	49.89
13	2947	339	636	3922	1186	910	746	4000	3620	-782	-786	9598	945	9646	2419	12962	49.95
14	2794	288	632	3714	1189	1011	741	3925	3510	-718	-701	9464	947	9514	2332	12743	49.90
15	2809	440	620	3869	1188	1028	727	3935	3282	-718	-685	9409	954	9457	2311	12674	49.87
16	2808	376	622	3806	1186	1042	736	3929	3514	-718	-715	9569	978	9617	2258	12805	49.87
17	2721	225	627	3573	1186	1055	683	3929	4093	-668	-692	9898	1020	9948	2162	13080	50.00
18	2770	233	626	3629	1191	1033	702	3929	4288	-668	-687	10156	1185	10206	2166	13507	49.82
19	2766	504	617	3887	1291	1055	769	3854	4254	-702	-718	10538	1669	10587	2267	14474	49.72
20	2752	826	625	4203	1290	1001	816	3954	3950	-840	-785	10508	1842	10555	2408	14758	49.84
21	2749	652	622	4023	1295	1052	883	3963	4112	-840	-684	10731	1853	10778	2269	14853	49.90
22	2717	459	618	3794	1302	1102	856	3963	3777	-840	-651	10230	1853	10277	2162	14245	49.88
23	2634	266	617	3517	1247	1136	702	3908	3667	-778	-693	9623	1853	9670	1969	13445	49.88
24	2486	251	613	3350	1185	954	713	3803	3698	-686	-653	9265	1598	9312	1835	12698	49.81
MUs	67.90	7.43	14.99	90.32	29.67	25.54	18.79	94.13	85.12	-16.26	-15.56	234.08	28.73	235.22	49.06	311.87	49.90

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 27/Aug/2011

Position as on 6.30 Hrs of 28/Aug/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Dabhol 1A	230	20/05/2011	13.22		Continued.	Rotor replacement.	09/09/2011
Chandrapur Unit 7	500	29/06/2011	21:40	28/08/2011	10.53	COH	
Chandrapur Unit 4	210	16/08/2011	00.04		Continued.	Annual Overhaul.	10/09/2011
Paras Unit 3	250	19/08/2011	16.33		Continued.	Annual Overhaul.	20/09/2011
Bhusawal Unit 2	210	22/08/2011	15.27		Continued.	AOH.	22/09/2011
Dabhol 2B	230	22/08/2011	23.54		Continued.	Combustion Inspection.	07/09/2011
FORCED OUTAGE							
Parli Unit 3	210	02/08/2011	12.43		Continued.	Hydrogen leakage.	04/09/2011
CPP WPCL U-1	135	19/08/2011	00.48		Continued.	Maintenance work.	04/09/2011
CPP JSW (J) U1	300	19/08/2011	21.43	28/08/2011	11.00	Condensor Tube Leakage	
Khaparkheda Unit 5	500	27/08/2011	22.51		Continued.	High Drum Level	
Khaparkheda Unit 1	210	28/08/2011	08.31	28/08/2011	15.34	Flame Failure.	
Parli Unit 4	210	28/08/2011	10.23	28/08/2011	22.39	Coal Feeder Choke up.	
Nasik Unit 5	210	28/08/2011	22.45		Continued.	Furnace Pressure High.	03/09/2011

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Aug/2011

Position as on 6.30 Hrs of 28/Aug/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Akola - I	19/08/2011	23.33	27/08/2011	10.06	Over Voltage
Karad - Solapur (PGCIL)	25/08/2011	21.39		Continued.	Over Voltage
Kolhapur - Mapusa - I	25/08/2011	21.55	27/08/2011	11.07	Over Voltage.
Akola - Aurangabad - II	26/08/2011	21.28		Continued.	Over Voltage
Akola - Wardha - II	27/08/2011	03.20		Continued.	Over Voltage
Kolhapur - Mapusa - II	27/08/2011	22.09		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Akola - Wardha - I	28/08/2011	04.20		Continued.	Over Voltage
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC Pole-I	21/08/2011	11.19	28/08/2011	17.53	Annual Maintenance Work.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Koradi - Akola	27/08/2011	09.36	28/08/2011	08.08	Line Maint.work,(Ready for charging at 17.55Hrs)
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(8 MonthOutage)
220/132KV,100 MVA ICT-III at Girwali.	21/06/2011	10.44		Continued.	Augmentation of ICT by new 200 MVA ICT upto 30.08.2011.
220/132 KV 100 MVA ICT-I @ Chikhli.	30/07/2011	11.45		Continued.	Replacement by 200 MVA ICT.Up to 30.08.2011.
220/132 KV 250 MVA ICT at Ambazari	05/08/2011	10.41		Continued.	ICT is to be replaced by 200 MVA ICT Upto 30.8.11.
Bhusawal-Chalisgaon-I	22/08/2011	10.02	27/08/2011	12.08	Replacement of Bus Isolator,Ckt on TBC.
Khaparkheda - Kanhan - II	25/08/2011	09.49		Continued.	Tower Height Raising work
Kanhan - Bhandara - II	25/08/2011	09.54		Continued.	Tower Height Raising work
220/132,200MVA Tr.-2 @ A' Nager	27/08/2011	08.30	27/08/2011	15.42	To Check fire system of CTR services
Borivali-Kalwa	27/08/2011	08.51	27/08/2011	14.17	To replace Old Insulator String
Gadchandur-Virur-I	27/08/2011	11.20	27/08/2011	14.05	Replacement of Post Insulator
Dhule-Chalisgaon	27/08/2011	11.34	27/08/2011	15.30	Jumpering work at Chalisgaon end
Hinjawadi-I - Hinjawadi-II	27/08/2011	12.25	27/08/2011	14.05	B Phase W/T replacement work
Khaparkheda-Kawlewada-I	27/08/2011	15.00	28/08/2011	20.14	Taking Distance Scheme in service
Borivali-Boisar	28/08/2011	09.43	28/08/2011	13.53	Hot Spot Attending Work.
Vita - Ghatnandare	28/08/2011	10.33	28/08/2011	13.15	Hot Spot Attending Work.
220/132KV 100MVA ICT-I at Dondaicha	28/08/2011	14.29	28/08/2011	15.30	Maintenance Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Kawlewada-Gondia-II	27/08/2011	10.11	27/08/2011	13.08	Replacement of R Phase Disc Insulator
Kawlewada-Gondia-I	27/08/2011	10.12	27/08/2011	12.42	Replacement of R Phase Disc Insulator
Main Bus-I at Bhusawal-I	27/08/2011	13.08		Continued.	Bus and Line Isolator repl.work
Voltage Level : 110KV			Outage Type PLANNED OUTAGE		
Miraj-Kavathemahakal	28/08/2011	11.35	28/08/2011	17.30	Criming Work.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Aug/2011

Position as on 6.30 Hrs of 28/Aug/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Borivali-Tata-I	28/08/2011	10.25	28/08/2011	20.22	RTU SCADA & Separation of D C Source.
Borivali-Tata-II	28/08/2011	10.30	28/08/2011	20.22	RTU SCADA & Separation of D C Source.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Bhugaon-Wardha	27/08/2011	09.56	27/08/2011	12.08	Hot Spot on CT
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV,100 MVA Spare Unit at Korady	04/08/2011	16.28		Continued.	To attend buchholz alarm problem.
Bhusawal- Aurangabad	24/08/2011	20.16	28/08/2011	08.33	Over Voltage.
Lonikand- Koyna Stage IV	28/08/2011	00.49	28/08/2011	08.23	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Padgha-Temghar I	20/08/2011	15.18		Continued.	To Control Padgha ICT Load
Padgha - Temghar - II	25/08/2011	11.50		Continued.	To control Padgha ICT Load
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV 105 MVA Spare ICT at Parly II	22/08/2011	13.50		Continued.	To Remove Trip Coil Assembly for Bus Coupler.
Lonikand - Jejuri	27/08/2011	01.55	27/08/2011	09.25	Distance Protection
Koyna IV - Jejuri	27/08/2011	02.47	28/08/2011	19.12	Distance Protection
Padgha - Nagothane- II	27/08/2011	09.54	27/08/2011	10.59	Fault on Main Bus-II at Nagothane
Dabhol-Nagothane-II	27/08/2011	09.54	27/08/2011	10.48	Fault on Main Bus-II at Nagothane
400/220 KV 315 MVA ICT-II @ Nagothane.	27/08/2011	09.54	27/08/2011	10.36	Fault on Main Bus-II at Nagothane
Main Bus -II @ Nagothane	27/08/2011	09.54	27/08/2011	20.36	Tripped
Akola - Bhusawal	28/08/2011	04.20	28/08/2011	08.15	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
220/100KV 200MVA ICT-III at Kalwa	03/04/2011	16.00		Continued.	Buchholz Trip,Diff.Prot.operated,PRV tripped(Failed).
Chandrapur MIDC - Gadchandur	27/08/2011	14.39	27/08/2011	15.37	Distance Protection
220/132 KV,200 MVA ICT-II At Chalisgaon	27/08/2011	16.20	27/08/2011	17.23	Trip Ckt Faulty Indication appeared
Chandrapur MIDC - Gadchandur	27/08/2011	17.43	27/08/2011	20.06	R Phase C/C Burst
Kanhan - Umred	27/08/2011	20.51	27/08/2011	21.24	Distance Protection
Umred - Virangana	27/08/2011	20.51	27/08/2011	21.32	Bus Bar Prot.Operated
Main Bus at Umred	27/08/2011	20.51	27/08/2011	21.32	Bus Bar Prot.Operated
220/110KV,200MVA T/F At Ichalkarani.	28/08/2011	13.12	28/08/2011	20.30	On OLTC Buchholz.
Karad-Pophali	28/08/2011	16.12	28/08/2011	16.42	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
132/22KV 50MVA T/F-II at Walchandnagar	25/08/2011	07.02	27/08/2011	18.45	B Phase CT Burst
Kawlewada-Gondia-II	27/08/2011	19.49	27/08/2011	20.05	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/Aug/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	160
Unit 6	210	155
Unit 7	210	165
	620	480
Bhusawal		
Unit 2	210	0
Unit 3	210	130
Unit 4	0	
	420	130
Parli		
Unit 3	210	0
Unit 4	210	110
Unit 5	210	80
Unit 6	250	160
Unit 7	250	0
	1130	350
Chandrapur		
Unit 1	210	60
Unit 2	210	60
Unit 3	210	70
Unit 4	210	0
Unit 5	500	260
Unit 6	500	240
Unit 7	500	0
	2340	690
Paras		
Unit 3	250	0
Unit 4	250	80
	500	80
Khaparkheda		
Unit 1	210	140
Unit 2	210	150
Unit 3	210	150
Unit 4	210	150
Unit 5	500	
	1340	590
Nasik		
Unit 1	120	
Unit 2	120	
Unit 3	210	102
Unit 4	210	0
Unit 5	210	102
	870	204
Uran		
All Units	852	600
	852	600
Dabhol		
RGPP	1940	1270
	1940	1270
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	0

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	61
TILLARI	60	60
BHTGR/VEER	21	6
BHIRA T.R.	80	80
RNGR+BHTSA	20	2
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	249
PENCH (MS)		
Pench (MS)	53	
	53	
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	380
WARDHA	405	260
Other CPPs	0	
	1005	640
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	400
	2024	1830
REL		
1&2	500	250
	500	250
Cent Sect		
Share	3455	3642
	3455	3642