



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

State Load Dispatch Center, Airoli

Daily system Report

for

27/Aug/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/Aug/2012 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	84.226	2131.112	1) Gujrat	9.110	222.645
2) Hydro	4.008	279.413	2) Madhya Pradesh	24.181	535.875
3) Gas	10.968	282.527	3) Chattisgarh	12.560	313.560
Total MSGENCO	99.202	2693.052	4) Maharashtra	61.745	1564.407
B) OTHERS			5) Goa	-5.643	-150.105
1) JSW JAIGAD	27.056	634.944	6) TAPS 1&2 Injection	4.070	109.851
2) WPCL	7.531	182.111	7) RGPPL Injection	12.867	411.442
3) Other CPP / IPP	6.035	152.936	8) Pench (Excess)	0.000	-1.863
4) Wind Generation	20.239	624.262	# Total Cent. Sector	118.890	3005.812
5) PENCH (MS)	0.000	1.863	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-10.032	-317.956
1) TPCL Thermal	27.289	707.136	G) Bilateral Power *		
2) TPCL Hydro	4.724	94.929	1) MSEDCL Bilateral	40.261	729.658
TOTAL TPCL	32.013	802.065	Include PX	13.702	79.850
3) REL Thermal	12.623	334.955	2) MUMBAI Bilateral	12.250	330.473
D) STATE			Include PX	0.345	18.353
1) Thermal (A1+C1+C3)	124.138	3173.203	3) MUMBAI Schedule	12.250	330.473
2) Hydro (A2+B5+C2)	8.732	376.205	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.968	282.527	1) MSEDCL	268.921	6977.024
4) Wind (B4)	20.239	624.262	2) TPCL	36.758	974.281
5) CPP (B1+B2+B3)	40.622	969.991	3) REL	17.911	480.654
TOTAL STATE	204.699	5426.188	TOTAL STATE	323.590	8431.959

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	3333	3427	3605
MSGENCO Hydro	493	319	81
MSGENCO Gas	462	464	457
MSGENCO Total Generation	4288	4210	4143
Central Sector Receipt	5610	5079	4329
WIND	801	1141	630
CPP / IPP	1814	1605	1662
Exchange with Mumbai	-532	-484	-193
MSEDCL DEMAND MET	11981	11551	10571
Load Shedding	546	480	123
MSEDCL DEMAND	12527	12031	10694
TPCL GENERATION	1744	1612	833
R-INFRA GENERATION	526	524	527
TPCL+R-INFRA DEMAND	2802	2620	1553
STATE DEMAND MET	14783	14171	12124
STATE DEMAND	15329	14651	12247
Frequency (Hz)	49.99	49.90	50.36

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.53 Hz at 03.27 Hrs	49.6 Hz at 09.28 Hrs	50.09	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/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.30	56.70	122	75	110
Unit 6	0.00	0.00	0	0	0
Unit 7	2.26	70.38	140	0	70
Total	4.56	127.08			180
Bhusawal					
Unit 2	3.94	77.67	170	145	160
Unit 3	0.00	0.87	0	0	0
Unit 4	3.77	76.90	254	0	
Unit 5	0.00	0.00	0	0	
Total	7.71	155.44			160
Parli					
Unit 3	2.78	68.75	158	0	142
Unit 4	2.66	79.29	152	83	135
Unit 5	2.50	70.33	129	83	115
Unit 6	1.47	97.69	170	0	180
Unit 7	2.68	8.44	187	48	100
Total	12.10	324.51			672
Chandrapur					
Unit 1	2.15	57.00	104	74	90
Unit 2	1.80	68.30	103	0	100
Unit 3	0.00	26.95	0	0	0
Unit 4	2.31	58.57	152	49	140
Unit 5	5.71	194.94	260	210	250
Unit 6	5.96	25.28	276	225	250
Unit 7	7.28	215.15	377	248	280
Total	25.20	646.19			1110
Paras					
Unit 3	3.26	100.29	164	108	150
Unit 4	3.58	93.91	166	121	150
Total	6.84	194.20			300
Khaparkheda					
Unit 1	3.86	81.44	180	140	150
Unit 2	3.46	80.12	168	115	150
Unit 3	4.16	94.18	185	162	150
Unit 4	2.78	71.02	180	0	0
Unit 5	0.00	124.32	0	0	0
Total	14.25	451.08			450
Nasik					
Unit 3	4.80	121.56	220	180	210
Unit 4	4.57	99.01	208	170	210
Unit 5	4.19	12.04	187	161	180
Total	13.56	232.62			600
Uran					
All Units	10.97	282.53	465	445	450
Total	10.97	282.53			450
PENCH (MS)					
Pench (MS)	0.00	1.86	0	0	
Total	0.00	1.86			
Koyna					
Stage 1-2	1.48	91.62	275	40	600
Stage 4	0.00	82.84	0	0	250
Stage 3	1.30	52.42	160	0	240
Kovna 12&4 Total	1.48	174.47			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.77	226.88			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	2.68	0	0	60
TILLARI	0.05	6.13	54	0	43
BHTGR/VEER	0.19	3.99	8	8	7
BHIRA T.R.	0.32	10.61	80	0	80
RNGR+BHTSA	0.07	1.33	3	3	0
BHANDARDRA	0.34	6.10	14	14	40
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.26	11.27	11	11	4
GHATGHAR	0.00	10.41	0	0	0
Total	1.24	52.53			234
Wind					
MalharPeth	3.01	32.01			
Vankuswadi	2.42	45.76			
ATIT	1.15	11.34	0	0	
Kale	0.73	16.95			
Satara	1.35	63.75			
Shirala	0.66	18.80			
K Mahankal	1.92	47.64			
Supa	0.28	8.82			
Vita	3.36	80.64			
Dondaicha	3.17	192.13			
Sakri	0.50	28.60			
Nandurbar	0.29	17.94			
Khandke	0.78	30.99			
Khaparale	0.64	28.90			
Total	20.24	624.26			
CPP					
JSW JAIGAD	27.06	634.94	1212	1037	1090
WARDHA	7.53	182.11	388	125	380
Other CPPs	6.04	152.94			
Total	40.62	969.99			1470
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.73	273.71	509	291	500
Trombay 6	6.81	163.39	495	155	500
Trombay 7A	3.03	78.46	128	125	120
Trombay 7B	1.63	43.45	69	67	60
Trombay 8	5.10	148.12	243	181	250
TATA Hydro	4.72	94.93	387	0	447
Total	32.01	802.06			1877
REL					
1&2	12.62	334.96	527	524	500
Total	12.62	334.96			500
Cent Sect					
Share					5206
Total					5206

MS PG CL	Thermal	84.23	2131.11			3472
	Thml+Gas	95.19	2413.64			3922
	Hydro	4.01	279.41			1324
	Total	99.20	2693.05			5246
State Total		204.70	5426.19			14299

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/Aug/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	3550	96	455	4101	797	1742	4934	4787	-484	-384	11043	130	11173	1867	13040	50.19
2	3530	86	456	4072	646	1689	4475	4635	-438	-318	10724	119	10843	1678	12521	50.12
3	3511	76	456	4043	571	1673	4458	4532	-422	-241	10578	114	10692	1598	12290	50.29
4	3605	81	457	4143	630	1662	4406	4329	-381	-193	10571	123	10694	1553	12247	50.36
5	3635	81	453	4169	516	1671	4711	4453	-400	-185	10624	132	10756	1542	12298	50.27
6	3554	101	456	4111	612	1674	4473	4980	-425	-239	11138	249	11387	1640	13027	50.03
7	3580	166	454	4200	623	1670	4413	4767	-458	-369	10891	871	11762	1816	13578	50.05
8	3656	176	465	4297	730	1674	4464	4951	-511	-476	11176	1010	12186	1987	14173	50.10
9	3545	156	464	4165	844	1814	4744	4758	-512	-459	11122	1036	12158	2256	14414	50.10
10	3479	275	462	4216	825	1832	5078	5181	-562	-494	11560	612	12172	2578	14750	49.88
11	3333	493	462	4288	801	1814	5159	5610	-618	-532	11981	546	12527	2802	15329	49.99
12	3389	349	451	4189	823	1800	5212	5399	-661	-509	11702	673	12375	2801	15176	50.04
13	3466	203	463	4132	918	1771	5221	5258	-671	-494	11585	740	12325	2782	15107	50.16
14	3511	103	461	4075	904	1752	5140	4960	-597	-393	11298	655	11953	2709	14662	50.06
15	3532	81	458	4071	897	1750	5174	4981	-564	-433	11266	543	11809	2714	14523	50.00
16	3529	81	452	4062	958	1781	5193	4920	-551	-488	11233	288	11521	2704	14225	50.01
17	3537	86	445	4068	1035	1749	4973	4989	-592	-523	11318	189	11507	2690	14197	50.08
18	3487	81	455	4023	1238	1635	5031	4828	-572	-499	11225	151	11376	2665	14041	50.18
19	3402	225	461	4088	1045	1635	5145	5023	-424	-485	11306	147	11453	2629	14082	50.09
20	3427	319	464	4210	1141	1605	5152	5079	-443	-484	11551	480	12031	2620	14651	49.90
21	3486	210	460	4156	1085	1620	5227	4963	-473	-490	11334	397	11731	2506	14237	49.97
22	3480	171	455	4106	919	1610	5250	4991	-497	-481	11145	255	11400	2338	13738	50.09
23	3503	156	449	4108	958	1561	5272	5282	-523	-428	11481	70	11551	2171	13722	50.02
24	3498	156	454	4108	723	1438	4970	5234	-471	-435	11068	34	11102	2022	13124	50.08
MUs	84.22	4.01	10.97	99.20	20.24	40.62	118.28	118.89	-12.25	-10.03	268.92	9.56	278.48	54.67	333.15	50.09

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/2012

Position as on 6.30 Hrs of 28/Aug/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Hydro GhatgharU1	125	05/07/2012	15:30		Continued.	Annual Overhaul	04/09/2012
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refueling work.	29/08/2012
Koradi Unit 6	210	23/07/2012	10:51		Continued.	P. A. Fan problem. (Coverted to AOH from 26-07-12)	28/08/2012
Bhusawal Unit 3	210	01/08/2012	07.15		Continued.	Capital Overhaul	05/09/2012
Chandrapur Unit 3	210	10/08/2012	19.33		Continued.	I D Fan Problem.(Converted to AOH)	11/09/2012
Cent_Sect NTPC(V-5)	210	18/08/2012	00.50		Continued.	Annual Overhaul.	
FORCED OUTAGE							
Bhusawal Unit 5	500	30/03/2012	04.34		Continued.	Hand Tripped	
Koyna Unit 11	80	18/06/2012	08.00		Continued.	Stator E/F.	02/09/2012
Dabhol 1B	230	23/07/2012	15.57		Continued.	Combustion Inspection	
Dabhol 3B	230	08/08/2012	11:40		Continued.	Gas Shortage.	
Dabhol 1X	290	10/08/2012	17.31		Continued.	Gas Shortage.	
Dabhol 1A	230	10/08/2012	17.33		Continued.	Gas Shortage.	
Uran Unit 5	108	15/08/2012	17.30		Continued.	Gas shortage.	
Dabhol 2B	230	19/08/2012	17.29		Continued.	Gas Shortage.	
Koyna ST-IV 2	250	20/08/2012	12.22		Continued.	Bucholz relay alarm.	
Khaparkheda Unit 5	500	22/08/2012	04.45		Continued.	CHP problem.	
Koyna ST - IV 4	250	26/08/2012	01.00		Continued.	Heavy oil leakage,SUT phase bushing.	
Koradi Unit 7	210	26/08/2012	06.52	27/08/2012	03.45	Coal shortage.	
Parli Unit 3	210	26/08/2012	23.10	27/08/2012	03.05	Flame Failure.	
Khaparkheda Unit 4	210	27/08/2012	05.09	27/08/2012	10.38	Furnace pressure high.	
Koyna Unit 7	80	27/08/2012	07.10	27/08/2012	17.35	R.M.Work	
Parli Unit 6	250	27/08/2012	09.33		Continued.	Drum level low.	
CPP WPCL U-3	135	27/08/2012	17.00		Continued.	Flame Failure.	
Bhusawal Unit 4	500	27/08/2012	17.50		Continued.	BLR T/L.	
Chandrapur Unit 2	210	27/08/2012	20.41		Continued.	Furnace Pressure high.	
Koyna ST - IV 3	250	28/08/2012	05.34		Continued.	Oil temp.high.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Aug/2012

Position as on 6.30 Hrs of 28/Aug/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Parli-Parli (PGCIL) I	02/08/2012	12.16		Continued.	Opening of Jumpers of Main Bus-I Between Lonikand -II & PGCIL - I.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur (PG) II	04/07/2012	09.47		Continued.	PGCIL Work
Kolhapur-Solapur(PGCIL)-I	25/07/2012	21.58		Continued.	Over Voltage
Kolhapur - Mapusa - I	22/08/2012	17.12		Continued.	Over Voltage
Warora - Deoli - I	23/08/2012	22.24		Continued.	Over Voltage.
Seoni-Wardha-II 765KV.	24/08/2012	17.10		Continued.	Over Voltage.
Wardha (PG) - Warora - I	27/08/2012	18.43	27/08/2012	23.30	Over Voltage.
Dhule - S'Sarovar- II	27/08/2012	20.24		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur-Bhadravti - I	22/08/2012	11.15		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.
400/220 KV,500MVA ICT - III at Parly	02/08/2012	11.25		Continued.	Opening of Jumpers of M B-I, Bet. Lonikand-II & PGCIL-I & Parli.
400/220KV,200MVA Spare ICT at Kalwa.	22/08/2012	09.57		Continued.	Replacement of Isolator
400 KV A C - I @ Padgha	26/08/2012	12.22		Continued.	B/Dn on AC filter.
New Koyna-Karad-II	27/08/2012	10.06		Continued.	R.M.Work and relay testing.Ready for charging from 17.50 Hrs.
400/220 KV 315 MVA ICT-II @ Nagothane.	27/08/2012	13.45		Continued.	HV side on TBC.
Koradi-Khaparkheda-I	27/08/2012	14.35	27/08/2012	14.50	Shorting of metering core for ABT meter.
Tie Breaker Bay at Khaparkheda	27/08/2012	15.18	27/08/2012	17.51	For oil sampling of CTs for DGA testing.
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)
Pedambe-Tambati	27/08/2012	09.35	27/08/2012	13.50	Outgoing line conductor strands seen cut and unwound near T clamp of jumper from Y ph. wave trap to outgoing line.
Bableshtar-Nasik-I	27/08/2012	09.37	27/08/2012	20.33	Conversion of SSN to DSN and etc.
Main Bus Section-I @ Mudshingi	27/08/2012	10.10	27/08/2012	13.20	Replacement of jumper of 220KV Mumewadi bus isolator.
Main Bus at Tilawani	27/08/2012	12.36	27/08/2012	18.22	Replacement of jumper and testing work.
TBC at Akola	27/08/2012	15.40	27/08/2012	15.55	Testing of remote operation.
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	26/08/2012	12.42		Continued.	Over Voltage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Aug/2012

Position as on 6.30 Hrs of 28/Aug/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - I	26/08/2012	16.36	27/08/2012	10.12	Over Voltage.
Karad - Kolhapur - II	27/08/2012	16.36		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Padgha - Temghar - II	09/07/2012	16.33		Continued.	For Padgha ICT loading.
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
Parli-Usmanabad	26/08/2012	02.47	27/08/2012	09.50	Supply shifted to Bale
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.
Deepnagar-Aurangabad-I	10/08/2012	14.09		Continued.	B-PH Conductor of Twin Conductors Snapped(Ready for charging at 16.45Hrs/11-8-12)
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
220/66 KV 50 MVA T/F @ Chandrapur	26/08/2012	18.31	27/08/2012	00.48	OLTC buchholz indication received.
220/33 KV 50 MVA T/F I @ Boisar II	27/08/2012	11.24	27/08/2012	18.34	B ph.pole of LV side breaker burst.
Voltage Level : 132KV			Outage Type TRIPPED		
Parli-Talegaon	27/08/2012	02.20	27/08/2012	02.35	Distance protection operated.
Girwali - Gangakhed	27/08/2012	06.02	27/08/2012	06.36	Distance protection operated.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/Aug/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	85
Unit 6	210	0
Unit 7	210	145
	620	230
Bhusawal		
Unit 2	210	165
Unit 3	210	0
Unit 4	500	
Unit 5	500	
	1420	165
Parli		
Unit 3	210	142
Unit 4	210	135
Unit 5	210	115
Unit 6	250	0
Unit 7	250	160
	1130	552
Chandrapur		
Unit 1	210	90
Unit 2	210	0
Unit 3	210	0
Unit 4	210	100
Unit 5	500	275
Unit 6	500	260
Unit 7	500	350
	2340	1075
Paras		
Unit 3	250	135
Unit 4	250	135
	500	270
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	170
Unit 4	210	170
Unit 5	500	0
	1340	660
Nasik		
Unit 3	210	210
Unit 4	210	200
Unit 5	210	180
	630	590
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	240
	1920	1090
Hydro		
KDPH	40	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	3
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	14
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	97
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	851
WARDHA	405	210
Other CPPs	0	
	1005	1061
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	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5050
	3455	5050

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