



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

State Load Dispatch Center, Airoli

Daily system Report

for

11/Aug/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 11/Aug/2012 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	88.239	896.820	1) Gujrat	8.301	66.879
2) Hydro	5.666	100.111	2) Madhya Pradesh	17.696	175.356
3) Gas	8.861	106.262	3) Chattisgarh	8.980	122.380
Total MSGENCO	102.766	1103.193	4) Maharashtra	55.349	564.656
B) OTHERS			5) Goa	-5.013	-60.168
1) JSW JAIGAD	21.556	265.027	6) TAPS 1&2 Injection	3.994	44.447
2) WPCL	4.821	65.927	7) RGPPL Injection	14.817	185.288
3) Other CPP / IPP	5.189	61.204	8) Pench (Excess)	-0.019	-0.383
4) Wind Generation	23.952	320.391	# Total Cent. Sector	104.105	1098.455
5) PENCH (MS)	0.019	0.383	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-8.671	-139.114
1) TPCL Thermal	26.556	293.675	G) Bilateral Power *		
2) TPCL Hydro	4.737	30.335	1) MSEDCL Bilateral	17.151	272.113
TOTAL TPCL	31.293	324.010	Include PX	0.000	-2.293
3) REL Thermal	12.614	135.528	2) MUMBAI Bilateral	9.755	126.282
D) STATE			Include PX	0.000	10.226
1) Thermal (A1+C1+C3)	127.409	1326.023	3) MUMBAI Schedule	9.755	126.282
2) Hydro (A2+B5+C2)	10.422	130.829	H) ENERGY CATERED (MUs)		
3) Gas (A3)	8.861	106.262	1) MSEDCL	253.737	2775.466
4) Wind (B4)	23.952	320.391	2) TPCL	35.566	403.149
5) CPP (B1+B2+B3)	31.566	392.158	3) REL	17.011	195.478
TOTAL STATE	202.210	2275.663	TOTAL STATE	306.314	3374.093

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3450	3607	3840
MSGENCO Hydro	530	382	96
MSGENCO Gas	319	473	315
MSGENCO Total Generation	4299	4462	4251
Central Sector Receipt	4421	4759	3894
WIND	1234	953	894
CPP / IPP	1312	1291	1278
Exchange with Mumbai	-455	-357	-233
MSEDCL DEMAND MET	10811	11127	10084
Load Shedding	635	342	118
MSEDCL DEMAND	11446	11469	10202
TPCL GENERATION	1667	1586	864
R-INFRA GENERATION	527	527	526
TPCL+R-INFRA DEMAND	2649	2470	1623
STATE DEMAND MET	13460	13597	11707
STATE DEMAND	14095	13939	11825
Frequency (Hz)	49.90	49.87	49.93

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.38 Hz at 08.02 Hrs	49.59 Hz at 05.49 Hrs	49.97	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 11/Aug/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.50	25.84	126	82	110
Unit 6	0.00	0.00	0	0	0
Unit 7	3.37	32.96	155	115	140
Total	5.87	58.81			250
Bhusawal					
Unit 2	3.34	29.44	160	120	150
Unit 3	0.00	0.87	0	0	0
Unit 4	1.73	24.00	135	0	
Unit 5	0.00	0.00	0	0	
Total	5.06	54.30			150
Parli					
Unit 3	2.68	19.57	140	92	115
Unit 4	2.78	31.16	149	83	85
Unit 5	2.60	31.46	120	100	110
Unit 6	3.48	38.22	184	100	160
Unit 7	0.00	0.00	0	0	0
Total	11.54	120.40			470
Chandrapur					
Unit 1	1.91	21.47	120	0	100
Unit 2	2.50	28.31	124	80	100
Unit 3	0.00	26.95	0	0	0
Unit 4	2.75	33.27	132	80	120
Unit 5	7.87	84.62	375	280	300
Unit 6	0.00	0.00	0	0	0
Unit 7	9.09	84.65	415	340	350
Total	24.12	279.27			970
Paras					
Unit 3	4.62	41.00	207	182	200
Unit 4	5.01	44.23	228	192	200
Total	9.64	85.22			400
Khaparkheda					
Unit 1	3.46	27.62	185	105	175
Unit 2	3.73	36.79	200	115	175
Unit 3	3.61	39.37	205	116	200
Unit 4	3.37	31.37	172	121	160
Unit 5	8.50	65.73	384	271	315
Total	22.67	200.90			1025
Nasik					
Unit 3	5.02	51.89	220	190	210
Unit 4	4.33	46.02	192	153	190
Unit 5	0.00	0.00	0	0	0
Total	9.34	97.91			400
Uran					
All Units	8.86	106.26	475	303	310
Total	8.86	106.26			310
PENCH (MS)					
Pench (MS)	0.02	0.38	19	0	
Total	0.02	0.38			
Koyna					
Stage 1-2	1.61	29.54	235	40	530
Stage 4	0.00	23.93	0	0	250
Stage 3	1.46	21.25	160	0	240
Kovna 12&4 Total	1.61	53.47			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.07	74.72			1020
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.22	1.29	61	0	0
TILLARI	0.34	4.73	60	0	62
BHTGR/VEER	0.20	0.74	9	8	6
BHIRA T.R.	0.43	4.45	81	0	80
RNGR+BHTSA	0.09	0.95	4	3	4
BHANDARDRA	0.17	3.21	29	0	30
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.75	5.03	39	30	8
GHATGHAR	0.40	4.99	125	0	
Total	2.60	25.39			190
Wind					
MalharPeth	1.27	16.07			
Vankuswadi	1.68	20.96			
ATIT	0.27	5.02			
Kale	0.62	9.28			
Satara	0.68	32.25			
Shirala	0.67	9.98			
K Mahankal	4.19	23.98			
Supa	0.27	4.96			
Vita	2.70	41.27			
Dondaicha	7.43	101.51			
Sakri	1.00	14.29			
Nandurbar	0.72	10.25			
Khandke	1.14	15.39			
Khaparale	1.30	15.20			
Total	23.95	320.39			
CPP					
JSW JAIGAD	21.56	265.03	912	853	827
WARDHA	4.82	65.93	215	168	210
Other CPPs	5.19	61.20			
Total	31.57	392.16			1037
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.89	112.53	506	284	500
Trombay 6	6.07	71.13	425	156	500
Trombay 7A	2.98	32.38	126	123	120
Trombay 7B	1.62	17.80	68	66	60
Trombay 8	4.99	59.83	250	143	250
TATA Hydro	4.74	30.34	387	0	447
Total	31.29	324.01			1877
REL					
1&2	12.61	135.53	527	523	500
Total	12.61	135.53			500
Cent Sect					
Share					4519
Total					4519

MS PG CL	Thermal	88.24	896.82			3665
	Thml+Gas	97.10	1003.08			3975
	Hydro	5.67	100.11			1210
	Total	102.77	1103.19			5185
State Total		202.21	2275.66			13118

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 11/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	3880	376	315	4571	839	1309	4028	3980	-355	-364	10335	146	10481	1915	12396	49.82
2	3873	125	315	4313	930	1320	3987	3801	-355	-275	10089	151	10240	1768	12008	49.98
3	3829	125	314	4268	962	1301	4005	3913	-355	-254	10190	120	10310	1664	11974	49.97
4	3840	96	315	4251	894	1278	4022	3894	-355	-233	10084	118	10202	1623	11825	49.93
5	3828	81	313	4222	1031	1343	4021	3984	-355	-252	10328	122	10450	1626	12076	49.97
6	3878	282	316	4476	889	1335	4020	4120	-356	-284	10536	308	10844	1697	12541	49.77
7	3844	356	322	4522	913	1334	3995	4038	-357	-253	10554	643	11197	1740	12937	49.91
8	3857	171	317	4345	1041	1327	4020	4029	-383	-308	10434	809	11243	1832	13075	49.91
9	3765	219	308	4292	1058	1318	4089	4134	-383	-364	10438	931	11369	2056	13425	49.98
10	3672	344	308	4324	1202	1315	4154	4279	-434	-389	10731	742	11473	2393	13866	49.95
11	3528	601	303	4432	1233	1320	4207	4252	-434	-482	10755	656	11411	2611	14022	49.83
12	3450	530	319	4299	1234	1312	4232	4421	-434	-455	10811	635	11446	2649	14095	49.90
13	3461	418	319	4198	1145	1312	4183	4528	-437	-455	10728	689	11417	2634	14051	50.00
14	3580	136	333	4049	1189	1335	4179	4554	-436	-539	10588	589	11177	2549	13726	50.17
15	3652	82	410	4144	981	1328	4335	4554	-436	-505	10502	513	11015	2550	13565	50.22
16	3681	84	337	4102	917	1324	4491	4394	-436	-361	10376	343	10719	2496	13215	49.99
17	3552	113	395	4060	978	1334	4475	4596	-436	-340	10628	307	10935	2452	13387	50.06
18	3510	113	474	4097	935	1322	4621	4313	-436	-330	10337	230	10567	2403	12970	50.10
19	3555	283	468	4306	919	1285	4826	4468	-387	-335	10643	197	10840	2408	13248	49.94
20	3607	382	473	4462	953	1291	4889	4759	-387	-357	11127	342	11469	2470	13939	49.87
21	3725	322	475	4522	990	1320	4999	4669	-451	-366	11135	342	11477	2418	13895	49.98
22	3613	169	471	4253	937	1323	5013	4729	-451	-375	10867	323	11190	2326	13516	50.02
23	3521	164	471	4156	836	1289	5026	5043	-452	-398	10926	173	11099	2208	13307	49.94
24	3538	94	470	4102	946	1291	4732	4658	-453	-397	10600	123	10723	2090	12813	49.96
MUs	88.24	5.67	8.86	102.77	23.95	31.57	104.55	104.11	-9.76	-8.67	253.74	9.55	263.29	52.58	315.87	49.97

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 11/Aug/2012

Position as on 6.30 Hrs of 12/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
Nasik Unit 5	210	12/07/2012	00.35		Continued.	Capital Overhaul	15/08/2012
Parli Unit 7	250	16/07/2012	18.15		Continued.	Annual Overhaul(Earlier W/D for Water Crisis and Coal Shortage.Converted to AOH on 21/7/2012)	14/08/2012
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refueling work.	21/08/2012
Cent_Sect NTPC(V) 9	500	20/07/2012	00.04		Continued.	Annual Overhaul.	15/08/2012
Chandrapur Unit 6	500	22/07/2012	00.49		Continued.	Annual Overhaul.	17/08/2012
Bhusawal Unit 3	210	01/08/2012	07.15		Continued.	Capital Overhaul	05/09/2012
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 2B	230	14/07/2012	23.01	11/08/2012	11.34	Gas Shortage	
Koradi Unit 6	210	23/07/2012	10:51		Continued.	P. A. Fan problem.	
Dabhol 1B	230	23/07/2012	15.57		Continued.	Combustion Inspection	
Uran Unit 6	108	01/08/2012	19.29		Continued.	Gas Shortage	
CPP WPCL U-1	135	03/08/2012	08.21		Continued.	Electric Fault.	
Uran Unit 8	108	07/08/2012	11.57	11/08/2012	13.48	Gas shortage.	
Dabhol 3B	230	08/08/2012	11:40		Continued.	Gas Shortage.	
CPP WPCL U-4	135	09/08/2012	05.07		Continued.	P.A.Fan Problem	
CPP JSW (J) U3	300	10/08/2012	00.00		Continued.	Annual Overhaul.	22/08/2012
Dabhol 1X	290	10/08/2012	17.31		Continued.	Gas Shortage.	
Dabhol 1A	230	10/08/2012	17.33		Continued.	Gas Shortage.	
Chandrapur Unit 3	210	10/08/2012	19.33		Continued.	I D Fan Problem.	
Bhusawal Unit 4	500	11/08/2012	07.55	11/08/2012	16.08	Flame Failure.	
Parli Unit 4	210	11/08/2012	16.08	11/08/2012	19.40	Protection Operated.	
Chandrapur Unit 1	210	11/08/2012	19.25	11/08/2012	21.25	Furnace Pressure High.	
Chandrapur Unit 1	210	11/08/2012	21.36	11/08/2012	22.52	Tripped.	
Khaparkheda Unit 1	210	12/08/2012	16.17	12/08/2012	18.58	Furnace Pressure high.	
Parli Unit 5	210	12/08/2012	21.13		Continued.	Governor Problem.	
Nasik Unit 3	210	12/08/2012	23.00		Continued.	Turbine Problem.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 11/Aug/2012

Position as on 6.30 Hrs of 12/Aug/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d 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.
Koradi-Bhilai	11/08/2012	16.43	11/08/2012	19.16	IPC Tube Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur (PG) II	04/07/2012	09.47		Continued.	PGCIL Work
Parli-Parli (PGCIL)-II	19/07/2012	08:08		Continued.	Over Voltage.
Seoni-Wardha-II 765KV.	23/07/2012	11.47		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	25/07/2012	21.58		Continued.	Over Voltage
Kolhapur - Mapusa - I	02/08/2012	16.56		Continued.	Over Voltage.
Akola - Wardha - I	06/08/2012	01.04	11/08/2012	16.33	Over Voltage.
Dhule-Sar'Sarovar - I	10/08/2012	23.38		Continued.	Over Voltage.
Akola - Wardha - II	12/08/2012	05.45		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 500 MVA ICT-I @ Deepnagar	24/07/2012	09.30		Continued.	Modification in Control and Relay Panels and SCADA trials
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,315 MVA ICT-I At Lonikand.	11/08/2012	08.24	11/08/2012	19.50	Maint.Work.
Karad-Jaigad II	11/08/2012	11.00	11/08/2012	13.53	Testing Work.
Lonikand - Chakan	11/08/2012	16.47	11/08/2012	19.00	Taken on TBC,Red Hot.
Koradi - Kaparkheda	12/08/2012	12.48	12/08/2012	16.55	Hot Spot.
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.
Main Bus -I at BBLSR	19/07/2012	14.12		Continued.	Conductor replacement work Upto 9.8.12
220/132KV 200MVA ICT-I @ Raymond	08/08/2012	15.20		Continued.	Low Oil level checking(Charged from LV side at 16.41Hrs)
Main Bus- I @ 400 KV Kalwa	10/08/2012	09.34	11/08/2012	17.41	Replacement of 29A Isolator & 2 No's of CT's of Bus Coupler Under LES Outage upto 11.8.12.
Lamboti-Bale-I	11/08/2012	08.45	11/08/2012	17.43	Conductor Replacement.
220/132 KV,200MVA ICT-I at Nasik GCR	11/08/2012	09.00	11/08/2012	12.09	RTCC Relay Commissioning.
Trombay - Sonkar	11/08/2012	10.01	11/08/2012	22.46	Commissioning of TBC.
Reymond-OCR Nasik	11/08/2012	10.06	11/08/2012	15.53	Testing Work.
Wardha Power - Warora-I	11/08/2012	10.53	11/08/2012	23.23	Q.M.Work.
Bhenda-Waluj	11/08/2012	11.42	11/08/2012	16.20	Q.M.Work.
Butibori-Indorama	11/08/2012	13.41	11/08/2012	16.20	Replacement of SEM @ Indorama End.
Kalwa - Khargar	11/08/2012	14.46	11/08/2012	19.28	Replacement of Wave Trap Jumper.
Nerul-Kharghar	12/08/2012	08.32	12/08/2012	11.14	Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/Aug/2012

Position as on 6.30 Hrs of 12/Aug/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz protection operated.
Bhusawal- Aurangabad	22/07/2012	16.09		Continued.	Over Voltage.
Karad-Kolhapur-II	10/08/2012	00.04	11/08/2012	10.04	Over Voltage.
Karad-Kolhapur-II	11/08/2012	16.34		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.
Bhosari-C'enka	11/08/2012	06.35	11/08/2012	09.12	Heavy Sparking in Line Isolator.
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.
Karad - Newkoyna - I	12/08/2012	03.01	12/08/2012	11.44	Distance Protection.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
Gangapur-Valve	12/08/2012	12.18	12/08/2012	12.23	While shifting on TBC on Z-2,R-Ph.
Voltage Level : 132KV			Outage Type TRIPPED		
Akola - Paras - I	12/08/2012	20.55	12/08/2012	21.10	Dist.Prot,Z-2.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 12/Aug/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	100
Unit 6	210	0
Unit 7	210	130
	620	230
Bhusawal		
Unit 2	210	150
Unit 3	210	0
Unit 4	500	
Unit 5	500	
	1420	150
Parli		
Unit 3	210	122
Unit 4	210	130
Unit 5	210	120
Unit 6	250	150
Unit 7	250	0
	1130	522
Chandrapur		
Unit 1	210	120
Unit 2	210	120
Unit 3	210	0
Unit 4	210	130
Unit 5	500	300
Unit 6	500	0
Unit 7	500	400
	2340	1070
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	150
Unit 2	210	140
Unit 3	210	140
Unit 4	210	130
Unit 5	500	250
	1340	810
Nasik		
Unit 3	210	210
Unit 4	210	200
Unit 5	210	0
	630	410
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	60
BHTGR/VEER	21	10
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	11
GHATGHAR	250	0
	611	191
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	825
WARDHA	405	310
Other CPPs	0	
	1005	1135
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	4919
	3455	4919

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