



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Aug/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 19/Aug/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	74.986	1530.506	1) Gujrat	3.612	128.684
2) Hydro	10.939	167.433	2) Madhya Pradesh	23.300	335.822
3) Gas	10.904	198.027	3) Chattisgarh	12.740	212.020
Total MSGENCO	96.829	1895.966	4) Maharashtra	64.362	1029.845
B) OTHERS			5) Goa	-5.121	-104.976
1) JSW JAIGAD	21.432	431.307	6) TAPS 1&2 Injection	3.982	77.309
2) WPCL	6.321	125.398	7) RGPPL Injection	17.185	307.391
3) Other CPP / IPP	5.494	108.790	8) Pench (Excess)	-0.036	-0.694
4) Wind Generation	17.809	511.816	# Total Cent. Sector	120.024	1985.401
5) PENCH (MS)	0.036	0.694	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-10.156	-233.426
1) TPCL Thermal	22.857	491.974	G) Bilateral Power *		
2) TPCL Hydro	0.329	58.487	1) MSEDCL Bilateral	21.966	445.204
TOTAL TPCL	23.186	550.461	Include PX	0.000	0.019
3) REL Thermal	12.615	234.076	2) MUMBAI Bilateral	10.226	231.898
D) STATE			Include PX	0.000	16.956
1) Thermal (A1+C1+C3)	110.458	2256.556	3) MUMBAI Schedule	10.226	231.898
2) Hydro (A2+B5+C2)	11.304	226.614	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.904	198.027	1) MSEDCL	257.789	4825.946
4) Wind (B4)	17.809	511.816	2) TPCL	30.091	682.549
5) CPP (B1+B2+B3)	33.247	665.495	3) REL	15.863	335.373
TOTAL STATE	183.722	3858.508	TOTAL STATE	303.743	5843.868

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	3205	2975	3252
MSGENCO Hydro	322	1335	366
MSGENCO Gas	460	444	477
MSGENCO Total Generation	3987	4754	4095
Central Sector Receipt	5413	4921	4274
WIND	910	737	759
CPP / IPP	1419	1343	1388
Exchange with Mumbai	-500	-476	-271
MSEDCL DEMAND MET	11229	11279	10245
Load Shedding	809	484	234
MSEDCL DEMAND	12038	11763	10479
TPCL GENERATION	1041	1119	827
R-INFRA GENERATION	526	522	527
TPCL+R-INFRA DEMAND	2067	2117	1625
STATE DEMAND MET	13296	13396	11870
STATE DEMAND	14105	13880	12104
Frequency (Hz)	49.86	49.69	49.76

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.49 Hz at 06.05 Hrs	49.28 Hz at 19.10 Hrs	49.86	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 19/Aug/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.24	38.42	114	52	100
Unit 6	0.00	0.00	0	0	0
Unit 7	3.28	48.02	155	120	135
Total	5.51	86.45			235
Bhusawal					
Unit 2	3.56	48.82	155	140	150
Unit 3	0.00	0.87	0	0	0
Unit 4	3.90	50.41	184	132	
Unit 5	0.00	0.00	0	0	
Total	7.45	100.09			150
Parli					
Unit 3	3.42	44.19	178	95	125
Unit 4	2.26	55.59	132	0	130
Unit 5	2.80	48.66	135	109	115
Unit 6	4.62	67.28	210	154	185
Unit 7	0.00	0.00	0	0	0
Total	13.10	215.71			555
Chandrapur					
Unit 1	2.39	43.44	124	76	100
Unit 2	2.22	49.28	112	43	120
Unit 3	0.00	26.95	0	0	0
Unit 4	0.00	48.85	0	0	0
Unit 5	4.26	149.18	355	0	340
Unit 6	0.00	0.00	0	0	0
Unit 7	8.56	157.68	398	269	350
Total	17.42	475.38			910
Paras					
Unit 3	3.80	72.98	180	143	165
Unit 4	3.63	75.88	163	138	165
Total	7.43	148.86			330
Khaparkheda					
Unit 1	3.78	55.08	175	140	160
Unit 2	0.45	60.48	114	0	0
Unit 3	4.15	68.95	184	159	160
Unit 4	0.81	43.16	138	0	0
Unit 5	5.86	115.44	279	166	250
Total	15.06	343.11			570
Nasik					
Unit 3	4.88	82.84	215	180	210
Unit 4	4.13	78.06	187	162	190
Unit 5	0.00	0.00	0	0	
Total	9.01	160.90			400
Uran					
All Units	10.90	198.03	480	438	450
Total	10.90	198.03			450
PENCH (MS)					
Pench (MS)	0.04	0.69	24	0	
Total	0.04	0.69			
Koyna					
Stage 1-2	5.05	54.54	535	40	600
Stage 4	2.91	36.64	781	0	250
Stage 3	1.88	32.32	218	0	240
Kovna 12&4 Total	7.96	91.19			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	9.84	123.50			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	2.07	0	0	60
TILLARI	0.06	5.66	60	0	53
BHTGR/VEER	0.17	2.43	7	7	0
BHIRA T.R.	0.42	7.45	82	0	80
RNGR+BHTSA	0.00	1.26	0	0	0
BHANDARDRA	0.00	5.11	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.46	10.06	19	19	30
GHATGHAR	0.00	9.88	0	0	0
Total	1.10	43.93			223
Wind					
MalharPeth	1.55	24.76			
Vankuswadi	2.01	35.68			
ATIT	0.97	7.40			
Kale	0.64	13.76			
Satara	1.96	50.62			
Shirala	1.00	15.48			
K Mahankal	1.24	39.98			
Supa	0.17	7.25			
Vita	3.06	64.24			
Dondaicha	3.13	163.00			
Sakri	0.46	23.74			
Nandurbar	0.33	15.43			
Khandke	0.66	25.85			
Khaparale	0.61	24.62			
Total	17.81	511.82			
CPP					
JSW JAIGAD	21.43	431.31	907	812	825
WARDHA	6.32	125.40	332	154	350
Other CPPs	5.49	108.79			
Total	33.25	665.50			1175
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	8.98	187.40	500	285	500
Trombay 6	3.76	112.96	158	155	500
Trombay 7A	2.98	56.21	126	122	120
Trombay 7B	1.63	30.87	69	67	60
Trombay 8	5.52	104.53	248	192	250
TATA Hydro	0.33	58.49	99	0	447
Total	23.19	550.46			1877
REL					
1&2	12.62	234.08	527	521	500
Total	12.62	234.08			500
Cent Sect					
Share					5209
Total					5209

MS PG CL	Thermal	74.99	1530.51			3150
	Thml+Gas	85.89	1728.53			3600
	Hydro	10.94	167.43			1313
	Total	96.83	1895.97			4913
State Total		183.72	3858.51			13674

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/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	3191	733	474	4398	783	1496	4658	4704	-426	-443	10938	172	11110	1974	13084	49.74
2	3225	347	474	4046	755	1443	4656	4686	-425	-394	10536	214	10750	1805	12555	49.74
3	3224	289	478	3991	773	1435	4414	4504	-425	-345	10358	225	10583	1699	12282	49.87
4	3252	366	477	4095	759	1388	4401	4274	-426	-271	10245	234	10479	1625	12104	49.76
5	3198	351	480	4029	652	1472	4383	4660	-428	-246	10567	251	10818	1609	12427	49.81
6	3231	506	470	4207	624	1474	4392	4814	-428	-242	10877	336	11213	1648	12861	49.75
7	3282	236	465	3983	664	1476	4369	5058	-430	-260	10921	731	11652	1667	13319	50.00
8	3307	211	453	3971	695	1460	4342	4843	-455	-280	10689	879	11568	1683	13251	49.88
9	3334	195	451	3980	779	1459	4391	4896	-455	-374	10740	973	11713	1792	13505	49.90
10	3311	316	441	4068	773	1434	4457	5158	-503	-438	10995	798	11793	1921	13714	49.91
11	3250	335	445	4030	857	1434	5074	5410	-486	-507	11224	726	11950	2054	14004	49.85
12	3205	322	460	3987	910	1419	5084	5413	-471	-500	11229	809	12038	2067	14105	49.86
13	3146	101	455	3702	818	1331	5075	5604	-471	-508	10947	934	11881	2060	13941	50.04
14	2943	141	440	3524	868	1277	5066	5652	-469	-501	10820	780	11600	2003	13603	49.89
15	2933	501	441	3875	784	1302	5000	5293	-454	-466	10788	715	11503	1972	13475	49.88
16	3034	101	445	3580	745	1313	4969	5364	-385	-444	10558	836	11394	1935	13329	50.01
17	3099	71	450	3620	695	1264	4661	5215	-374	-432	10362	829	11191	1909	13100	50.14
18	3050	66	447	3563	845	1287	4584	4900	-364	-485	10110	625	10735	1936	12671	50.14
19	3078	376	438	3892	743	1355	4716	5119	-320	-513	10596	354	10950	2002	12952	49.75
20	2975	1335	444	4754	737	1343	4695	4921	-335	-476	11279	484	11763	2117	13880	49.69
21	2929	1105	441	4475	660	1344	4918	5019	-398	-458	11040	455	11495	2137	13632	49.76
22	2953	766	443	4162	604	1341	4948	4989	-398	-472	10624	414	11038	2135	13173	49.83
23	2937	1031	445	4413	651	1344	5041	4995	-450	-552	10863	226	11089	2126	13215	49.80
24	2899	1138	447	4484	635	1356	4757	4533	-450	-549	10483	161	10644	2081	12725	49.69
MUs	74.99	10.94	10.90	96.83	17.81	33.25	113.05	120.02	-10.23	-10.16	257.79	13.16	270.95	45.96	316.91	49.86

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 19/Aug/2012

Position as on 6.30 Hrs of 20/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	20/08/2012
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)	20/08/2012
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refueling work.	21/08/2012
Chandrapur Unit 6	500	22/07/2012	00.49		Continued.	Annual Overhaul.	20/08/2012
Koradi Unit 6	210	23/07/2012	10:51		Continued.	P. A. Fan problem. (Covered to AOH from 26-07-12)	20/08/2012
Bhusawal Unit 3	210	01/08/2012	07.15		Continued.	Capital Overhaul	05/09/2012
CPP JSW (J) U3	300	10/08/2012	00.00		Continued.	Annual Overhaul.	22/08/2012
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	
CPP WPCL U-1	135	03/08/2012	08.21		Continued.	Electric Fault.	
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.	
Khaparkheda Unit 4	210	14/08/2012	12.41	19/08/2012	15.27	Flame failure.	
Uran Unit 5	108	15/08/2012	17.30		Continued.	Gas shortage.	
Chandrapur Unit 4	210	17/08/2012	12.04		Continued.	I D Fan Problem.	
Khaparkheda Unit 2	210	19/08/2012	04.20		Continued.	Furnace Pressure high.	
Parli Unit 4	210	19/08/2012	10.22	19/08/2012	14.52	Generator Protection Operated.	
Chandrapur Unit 5	500	19/08/2012	13.15		Continued.	Generator Protection Operated.	
Dabhol 2B	230	19/08/2012	17.29		Continued.	Gas Shortage.	
Nasik Unit 4	210	20/08/2012	00.30		Continued.	Boiler Tube Leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Aug/2012

Position as on 6.30 Hrs of 20/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
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 - II	18/08/2012	21.45		Continued.	Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC POLE II - CHDPR	16/08/2012	08.24		Continued.	Annual Outage
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.
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.
Trombay - Tata Tie - I	17/08/2012	06.29		Continued.	Replacement of Line Isolator.
Kalwa - Khargar	18/08/2012	08.30		Continued.	To taken on TBC, to attend repl.of jumper of Y-Ph.
Half M.B.II at Magarpatta	18/08/2012	09.30		Continued.	R.M.Work
Trombay-Mulund	19/08/2012	10.22	19/08/2012	15.21	Due to bus section-III outage at Trombay.
Bus Section - III @ Trombay	19/08/2012	10.22	19/08/2012	15.41	To attend red hot.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
132/7 KV 31.5 MVA Stn T/F - II @ Bhusawal	10/08/2012	10.22		Continued.	Work at Generation end.
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	22/07/2012	16.09		Continued.	Over Voltage.
Karad-Kolhapur-II	17/08/2012	16.43		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	19/08/2012	03.12	19/08/2012	08.39	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.
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)

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Aug/2012

Position as on 6.30 Hrs of 20/Aug/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
400/220KV 167MVA Spare ICT Unit at N'Thane	18/08/2012	05.43	19/08/2012	09.02	Bucholz.
Padghe-BBLSR-I	20/08/2012	03.56		Continued.	Distance protection.
Padgha - Babaleshwar - II	20/08/2012	03.56		Continued.	Over Voltage.
Babaleshwar - Bhusawal	20/08/2012	03.56	20/08/2012	06.46	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
Khaparkheda-Kawlewada-II	19/08/2012	16.25	19/08/2012	17.56	Tripped on PDR.Ckt.is charged through TBC.
Miraj -Ichalkarajni	19/08/2012	19.57	20/08/2012	03.32	Distance protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Himayatnagar-Kinwat	19/08/2012	01.58	19/08/2012	03.40	Dist.Prot,R-Ph E/F Z I.
Jeur-Kurduwadi	19/08/2012	11.15	19/08/2012	14.00	Distance protection.
Voltage Level : 100KV			Outage Type TRIPPED		
Talegaon-Khopoli	19/08/2012	00.01	19/08/2012	09.10	Distance protection.
Chinchwad - Talegaon	19/08/2012	00.01	19/08/2012	00.20	O/C and earth fault.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 20/Aug/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	60
Unit 6	210	0
Unit 7	210	150
	620	210
Bhusawal		
Unit 2	210	150
Unit 3	210	0
Unit 4	500	
Unit 5	500	
	1420	150
Parli		
Unit 3	210	100
Unit 4	210	130
Unit 5	210	135
Unit 6	250	200
Unit 7	250	0
	1130	565
Chandrapur		
Unit 1	210	100
Unit 2	210	100
Unit 3	210	0
Unit 4	210	0
Unit 5	500	0
Unit 6	500	0
Unit 7	500	400
	2340	600
Paras		
Unit 3	250	160
Unit 4	250	160
	500	320
Khaparkheda		
Unit 1	210	145
Unit 2	210	0
Unit 3	210	140
Unit 4	210	135
Unit 5	500	180
	1340	600
Nasik		
Unit 3	210	210
Unit 4	210	0
Unit 5	210	0
	630	210
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	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	7
GHATGHAR	250	0
	611	87
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	815
WARDHA	405	315
Other CPPs	0	
	1005	1130
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	4795
	3455	4795