



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Aug/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 12/Aug/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	82.456	979.276	1) Gujrat	12.403	79.282
2) Hydro	4.028	104.139	2) Madhya Pradesh	15.664	191.020
3) Gas	11.314	117.576	3) Chattisgarh	9.460	131.840
Total MSGENCO	97.798	1200.991	4) Maharashtra	53.411	618.067
B) OTHERS			5) Goa	-5.285	-65.453
1) JSW JAIGAD	19.778	284.805	6) TAPS 1&2 Injection	4.016	48.463
2) WPCL	6.794	72.721	7) RGPPL Injection	17.221	202.509
3) Other CPP / IPP	5.085	66.289	8) Pench (Excess)	-0.066	-0.449
4) Wind Generation	28.987	349.378	# Total Cent. Sector	106.824	1205.279
5) PENCH (MS)	0.066	0.449	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-10.251	-149.365
1) TPCL Thermal	22.390	316.065	G) Bilateral Power *		
2) TPCL Hydro	1.205	31.540	1) MSEDCL Bilateral	23.003	295.115
TOTAL TPCL	23.595	347.605	Include PX	0.000	-2.293
3) REL Thermal	12.616	148.144	2) MUMBAI Bilateral	11.410	137.691
D) STATE			Include PX	0.513	10.740
1) Thermal (A1+C1+C3)	117.462	1443.485	3) MUMBAI Schedule	11.410	137.691
2) Hydro (A2+B5+C2)	5.299	136.128	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.314	117.576	1) MSEDCL	255.081	3030.547
4) Wind (B4)	28.987	349.378	2) TPCL	31.044	434.193
5) CPP (B1+B2+B3)	31.657	423.815	3) REL	15.415	210.893
TOTAL STATE	194.719	2470.382	TOTAL STATE	301.540	3675.633

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3371	3477	3634
MSGENCO Hydro	381	341	82
MSGENCO Gas	479	469	473
MSGENCO Total Generation	4231	4287	4189
Central Sector Receipt	4644	4821	4059
WIND	1222	1156	967
CPP / IPP	1355	1379	1185
Exchange with Mumbai	-416	-448	-317
MSEDCL DEMAND MET	11036	11222	10083
Load Shedding	289	87	31
MSEDCL DEMAND	11325	11309	10114
TPCL GENERATION	1161	1237	825
R-INFRA GENERATION	527	526	525
TPCL+R-INFRA DEMAND	2104	2211	1667
STATE DEMAND MET	13140	13433	11750
STATE DEMAND	13429	13520	11781
Frequency (Hz)	49.96	49.97	50.08

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.64 Hz at 17.05 Hrs	49.46 Hz at 19.23 Hrs	50.02	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 12/Aug/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.53	28.37	120	96	100
Unit 6	0.00	0.00	0	0	0
Unit 7	3.28	36.24	160	125	130
Total	5.81	64.62			230
Bhusawal					
Unit 2	3.42	32.86	155	125	150
Unit 3	0.00	0.87	0	0	0
Unit 4	3.46	27.46	184	89	
Unit 5	0.00	0.00	0	0	
Total	6.88	61.18			150
Parli					
Unit 3	2.86	22.43	137	100	122
Unit 4	3.15	34.31	169	106	130
Unit 5	2.28	33.74	120	0	120
Unit 6	2.83	41.04	154	97	150
Unit 7	0.00	0.00	0	0	0
Total	11.12	131.52			522
Chandrapur					
Unit 1	2.52	24.00	125	79	120
Unit 2	2.16	30.47	116	64	120
Unit 3	0.00	26.95	0	0	0
Unit 4	2.94	36.20	134	110	130
Unit 5	7.43	92.05	385	250	300
Unit 6	0.00	0.00	0	0	0
Unit 7	8.21	92.86	411	250	400
Total	23.26	302.53			1070
Paras					
Unit 3	4.07	45.06	194	124	200
Unit 4	4.27	48.50	198	150	200
Total	8.34	93.56			400
Khaparkheda					
Unit 1	2.64	30.26	145	0	150
Unit 2	3.04	39.84	155	104	140
Unit 3	3.16	42.53	163	109	140
Unit 4	2.82	34.20	133	112	130
Unit 5	6.65	72.38	301	251	250
Total	18.31	219.20			810
Nasik					
Unit 3	4.46	56.36	210	0	210
Unit 4	4.29	50.31	194	157	200
Unit 5	0.00	0.00	0	0	0
Total	8.75	106.67			410
Uran					
All Units	11.31	117.58	482	465	450
Total	11.31	117.58			450
PENCH (MS)					
Pench (MS)	0.07	0.45	27	0	
Total	0.07	0.45			
Koyna					
Stage 1-2	1.02	30.56	50	40	600
Stage 4	0.00	23.93	0	0	250
Stage 3	1.00	22.25	160	0	240
Kovna 12&4 Total	1.02	54.49			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.02	76.74			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	1.29	0	0	0
TILLARI	0.30	5.03	60	0	60
BHTGR/VEER	0.22	0.96	10	9	10
BHIRA T.R.	0.36	4.81	82	0	80
RNGR+BHTSA	0.09	1.04	4	3	0
BHANDARDRA	0.08	3.29	29	0	30
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.72	5.75	31	30	11
GHATGHAR	0.23	5.22	125	0	0
Total	2.01	27.40			191
Wind					
MalharPeth	1.21	17.28			
Vankuswadi	1.57	22.53			
ATIT	0.27	5.28			
Kale	0.65	9.93			
Satara	0.74	32.98			
Shirala	0.70	10.67			
K Mahankal	4.72	28.70			
Supa	0.39	5.35			
Vita	2.82	44.09			
Dondaicha	10.34	111.85			
Sakri	1.56	15.85			
Nandurbar	0.95	11.20			
Khandke	1.70	17.09			
Khaparale	1.37	16.57			
Total	28.99	349.38			
CPP					
JSW JAIGAD	19.78	284.80	883	770	825
WARDHA	6.79	72.72	316	189	310
Other CPPs	5.08	66.29			
Total	31.66	423.82			1135
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	8.45	120.98	501	279	500
Trombay 6	3.73	74.86	157	152	500
Trombay 7A	2.99	35.37	127	123	120
Trombay 7B	1.63	19.44	69	67	60
Trombay 8	5.59	65.42	252	190	250
TATA Hydro	1.20	31.54	136	0	447
Total	23.60	347.60			1877
REL					
1&2	12.62	148.14	527	525	500
Total	12.62	148.14			500
Cent Sect					
Share					4919
Total					4919

MS PG CL	Thermal	82.46	979.28			3592
	Thml+Gas	93.77	1096.85			4042
	Hydro	4.03	104.14			1281
	Total	97.80	1200.99			5323
State Total		194.72	2470.38			13754

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/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	3589	82	467	4138	1156	1283	4592	4067	-417	-324	10320	70	10390	1916	12306	49.99
2	3550	82	471	4103	963	1179	4529	4191	-336	-360	10076	22	10098	1774	11872	50.10
3	3634	82	473	4189	967	1185	4444	4059	-337	-317	10083	31	10114	1667	11781	50.08
4	3644	82	476	4202	1040	1192	4373	4056	-357	-270	10220	34	10254	1623	11877	49.91
5	3663	88	476	4227	1153	1237	4372	4048	-383	-270	10395	39	10434	1623	12057	50.02
6	3642	83	475	4200	1196	1257	4515	4301	-403	-339	10615	73	10688	1684	12372	50.02
7	3622	83	476	4181	1150	1346	4473	4565	-427	-329	10913	156	11069	1677	12746	50.02
8	3712	83	470	4265	1048	1379	4496	4351	-455	-345	10698	404	11102	1720	12822	49.91
9	3620	117	469	4206	1190	1375	4497	4374	-458	-384	10761	442	11203	1834	13037	50.07
10	3637	199	473	4309	1211	1362	4554	4695	-515	-463	11114	317	11431	1966	13397	50.00
11	3523	223	471	4217	1234	1359	4555	4606	-518	-501	10915	338	11253	2092	13345	49.88
12	3371	381	479	4231	1222	1355	4557	4644	-519	-416	11036	289	11325	2104	13429	49.96
13	3289	397	482	4168	1144	1384	4522	4540	-524	-452	10784	180	10964	2076	13040	50.15
14	3144	241	474	3859	1252	1384	4525	4556	-526	-479	10572	147	10719	2006	12725	50.10
15	3173	173	470	3816	1395	1387	4521	4648	-526	-497	10749	141	10890	1977	12867	50.05
16	3188	141	465	3794	1368	1351	4500	4556	-519	-473	10596	124	10720	1958	12678	50.05
17	3121	83	466	3670	1461	1282	4390	4539	-516	-465	10487	101	10588	1940	12528	50.17
18	3242	91	469	3802	1316	1301	4435	4014	-511	-482	9951	91	10042	1963	12005	50.15
19	3242	213	468	3923	1390	1378	4650	4248	-469	-420	10519	73	10592	2037	12629	49.91
20	3336	387	468	4191	1294	1388	4765	4630	-488	-452	11063	90	11153	2175	13328	49.94
21	3477	341	469	4287	1156	1379	4809	4821	-531	-448	11222	87	11309	2211	13520	49.97
22	3489	201	471	4161	1266	1305	4766	4687	-551	-548	10898	81	10979	2198	13177	50.02
23	3410	85	468	3963	1194	1308	4744	4891	-587	-646	10710	63	10773	2166	12939	50.00
24	3138	90	468	3696	1221	1301	4424	4734	-535	-571	10381	60	10441	2075	12516	50.01
MUs	82.46	4.03	11.31	97.80	28.99	31.66	109.01	106.82	-11.41	-10.25	255.08	3.45	258.53	46.46	304.99	50.02

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 12/Aug/2012

Position as on 6.30 Hrs of 13/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
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.	
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.	
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.	
Khaparkheda Unit 1	210	12/08/2012	23.39	13/08/2012	02.50	Aux.problem.	
Bhusawal Unit 2	210	13/08/2012	02.00		Continued.	BLR T/L.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Aug/2012

Position as on 6.30 Hrs of 13/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 - I	02/08/2012	16.56		Continued.	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.
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)
Nerul-Kharghar	12/08/2012	08.32	12/08/2012	11.14	Hot Spot.
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	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.
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.
Jejuri-Koyna STG-IV	13/08/2012	03.29		Continued.	Over Voltage.
New Koyna - Dabhol - II	13/08/2012	03.29		Continued.	Over Voltage.
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		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 12/Aug/2012

Position as on 6.30 Hrs of 13/Aug/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Akola - Paras - I	12/08/2012	20.55	12/08/2012	21.10	Dist.Prot,Z-2.
Bale - Nuldurg	13/08/2012	02.29	13/08/2012	02.41	Dist.Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 13/Aug/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	100
Unit 6	210	0
Unit 7	210	110
	620	210
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	
Unit 5	500	
	1420	0
Parli		
Unit 3	210	100
Unit 4	210	115
Unit 5	210	0
Unit 6	250	80
Unit 7	250	0
	1130	295
Chandrapur		
Unit 1	210	110
Unit 2	210	110
Unit 3	210	0
Unit 4	210	140
Unit 5	500	350
Unit 6	500	0
Unit 7	500	400
	2340	1110
Paras		
Unit 3	250	185
Unit 4	250	185
	500	370
Khaparkheda		
Unit 1	210	120
Unit 2	210	120
Unit 3	210	120
Unit 4	210	120
Unit 5	500	250
	1340	730
Nasik		
Unit 3	210	0
Unit 4	210	200
Unit 5	210	0
	630	200
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	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	13
GHATGHAR	250	0
	611	153
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	4733
	3455	4733

	18400	7 of 7	12853
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