



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

State Load Dispatch Center, Airoli

Daily system Report

for

02/Sep/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 02/Sep/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	80.106	161.025	1) Gujrat	19.168	33.291
2) Hydro	6.532	12.849	2) Madhya Pradesh	21.552	42.347
3) Gas	10.388	21.480	3) Chattisgarh	11.840	24.220
Total MSGENCO	97.026	195.354	4) Maharashtra	67.169	136.314
B) OTHERS			5) Goa	-5.240	-11.184
1) JSW JAIGAD	27.481	55.625	6) TAPS 1&2 Injection	4.076	8.051
2) WPCL	4.660	10.176	7) RGPPL Injection	14.159	28.318
3) Other CPP / IPP	4.670	9.903	8) Pench (Excess)	-0.416	-0.566
4) Wind Generation	9.426	18.708	# Total Cent. Sector	132.308	260.791
5) PENCH (MS)	0.416	0.566	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-13.820	-28.473
1) TPCL Thermal	20.266	46.566	G) Bilateral Power *		
2) TPCL Hydro	5.658	10.935	1) MSEDCL Bilateral	35.606	75.265
TOTAL TPCL	25.924	57.501	Include PX	0.000	3.862
3) REL Thermal	6.289	13.142	2) MUMBAI Bilateral	9.317	23.694
D) STATE			Include PX	0.000	3.801
1) Thermal (A1+C1+C3)	106.661	220.733	3) MUMBAI Schedule	9.317	24.454
2) Hydro (A2+B5+C2)	12.606	24.350	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.388	21.480	1) MSEDCL	262.167	522.650
4) Wind (B4)	9.426	18.708	2) TPCL	31.000	67.066
5) CPP (B1+B2+B3)	36.811	75.704	3) REL	15.029	32.041
TOTAL STATE	175.892	360.975	TOTAL STATE	308.196	621.757

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3366	3378	3288
MSGENCO Hydro	642	480	158
MSGENCO Gas	450	433	420
MSGENCO Total Generation	4458	4291	3866
Central Sector Receipt	5985	5964	5144
WIND	241	560	432
CPP / IPP	1601	1508	1479
Exchange with Mumbai	-601	-678	-555
MSEDCL DEMAND MET	11684	11687	10393
Load Shedding	710	567	203
MSEDCL DEMAND	12394	12254	10596
TPCL GENERATION	1238	1243	859
R-INFRA GENERATION	265	264	210
TPCL+R-INFRA DEMAND	2104	2185	1624
STATE DEMAND MET	13788	13872	12017
STATE DEMAND	14498	14439	12220
Frequency (Hz)	50.03	49.86	49.85

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.43 Hz at 16.19 Hrs	49.5 Hz at 00.12 Hrs	50.01	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 02/Sep/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	1.62	4.74	146	0	140
Unit 6	1.92	1.92	129	0	40
Unit 7	3.75	7.03	165	120	160
Total	7.29	13.69			340
Bhusawal					
Unit 2	3.66	7.36	160	140	165
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	
Unit 5	0.00	0.00	0	0	
Total	3.66	7.36			165
Parli					
Unit 3	0.78	3.27	95	0	95
Unit 4	2.09	5.11	140	43	75
Unit 5	2.19	5.26	112	63	65
Unit 6	3.42	6.16	181	106	135
Unit 7	3.38	6.14	198	65	140
Total	11.86	25.94			510
Chandrapur					
Unit 1	2.28	5.42	123	68	130
Unit 2	1.87	4.88	115	43	100
Unit 3	0.00	0.00	0	0	0
Unit 4	1.88	4.54	115	44	100
Unit 5	5.64	11.20	275	205	275
Unit 6	5.61	10.29	271	170	250
Unit 7	8.11	14.05	405	282	300
Total	25.38	50.37			1155
Paras					
Unit 3	3.59	6.81	171	125	150
Unit 4	3.71	7.55	170	133	150
Total	7.30	14.36			300
Khaparkheda					
Unit 1	3.56	7.38	190	0	160
Unit 2	3.78	7.53	185	135	160
Unit 3	4.05	7.86	180	163	180
Unit 4	4.04	8.14	188	150	180
Unit 5	0.00	0.00	0	0	0
Total	15.43	30.91			680
Nasik					
Unit 3	4.75	9.60	215	170	192
Unit 4	4.44	8.79	204	147	182
Unit 5	0.00	0.00	0	0	0
Total	9.19	18.40			374
Uran					
All Units	10.39	21.48	464	393	410
Total	10.39	21.48			410
PENCH (MS)					
Pench (MS)	0.42	0.57	52	0	
Total	0.42	0.57			
Koyna					
Stage 1-2	2.28	4.20	345	40	600
Stage 4	0.00	0.00	0	0	250
Stage 3	0.77	1.45	144	0	240
Kovna 12&4 Total	2.28	4.20			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.06	5.66			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.35	0	0	61
TILLARI	0.49	0.56	60	0	60
BHTGR/VEER	0.11	0.25	6	4	6
BHIRA T.R.	0.44	0.86	81	0	80
RNGR+BHTSA	0.05	0.08	3	2	1
BHANDARDRA	0.67	1.34	28	28	28
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.30	2.59	55	54	0
GHATGHAR	0.41	1.18	125	0	0
Total	3.47	7.19			236
Wind					
MalharPeth	0.79	1.28			
Vankuswadi	1.02	1.97			
ATIT	0.49	0.61			
Kale	0.38	0.75			
Satara	1.16	4.04			
Shirala	0.61	0.97			
K Mahankal	0.99	1.08			
Supa	0.11	0.23			
Vita	2.30	4.96			
Dondaicha	0.90	1.58			
Sakri	0.13	0.22			
Nandurbar	0.09	0.18			
Khandke	0.36	0.65			
Khaparale	0.08	0.20			
Total	9.43	18.71			
CPP					
JSW JAIGAD	27.48	55.62	1202	1097	1093
WARDHA	4.66	10.18	203	173	310
Other CPPs	4.67	9.90			
Total	36.81	75.70			1403
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	6.54	17.54	411	247	500
Trombay 6	3.75	10.03	158	154	500
Trombay 7A	2.86	4.95	126	96	120
Trombay 7B	1.59	2.96	68	57	60
Trombay 8	5.52	11.09	244	190	250
TATA Hydro	5.66	10.94	387	0	447
Total	25.92	57.50			1877
REL					
1&2	6.29	13.14	265	210	250
Total	6.29	13.14			250
Cent Sect					
Share					5518
Total					5518

MS PG CL	Thermal	80.11	161.02			3524
	Thml+Gas	90.49	182.50			3934
	Hydro	6.53	12.85			1326
	Total	97.03	195.35			5260
State Total		175.89	360.98			14308

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 02/Sep/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	3294	472	420	4186	478	1496	5189	5101	-376	-579	10734	154	10888	1899	12787	49.79
2	3261	164	421	3846	473	1482	5065	5068	-345	-545	10374	183	10557	1721	12278	49.85
3	3288	158	420	3866	432	1479	5025	5117	-344	-555	10366	203	10569	1624	12193	49.85
4	3418	128	421	3967	375	1483	5010	5097	-345	-461	10481	214	10695	1557	12252	49.97
5	3415	133	421	3969	371	1474	5008	5156	-347	-465	10505	237	10742	1554	12296	49.94
6	3497	233	421	4151	328	1504	5024	5362	-347	-478	10867	345	11212	1627	12839	49.94
7	3424	138	464	4026	318	1590	5160	5216	-332	-537	10613	812	11425	1649	13074	50.22
8	3442	133	462	4037	319	1585	5211	5571	-360	-546	10966	753	11719	1678	13397	50.15
9	3359	148	459	3966	341	1591	5181	5668	-360	-502	11064	802	11866	1776	13642	50.15
10	3369	320	454	4143	313	1592	5582	5803	-412	-559	11292	595	11887	1923	13810	50.07
11	3370	587	459	4416	260	1597	5492	5891	-420	-569	11595	577	12172	2051	14223	50.08
12	3366	642	450	4458	241	1601	5553	5985	-422	-601	11684	710	12394	2104	14498	50.03
13	3332	399	437	4168	309	1586	5587	5588	-422	-600	11051	795	11846	2096	13942	50.04
14	3288	143	437	3868	288	1586	5577	5774	-422	-600	10916	697	11613	2047	13660	49.96
15	3307	133	440	3880	358	1597	5329	5791	-422	-565	11061	626	11687	2008	13695	50.07
16	3256	138	447	3841	433	1591	5310	5741	-422	-535	11071	625	11696	1973	13669	50.15
17	3372	143	444	3959	408	1494	5128	5179	-422	-512	10528	602	11130	1943	13073	50.23
18	3281	148	433	3862	354	1492	5190	5375	-422	-532	10551	487	11038	1930	12968	50.14
19	3286	281	437	4004	316	1496	5313	5615	-372	-568	10886	442	11328	1994	13322	49.86
20	3378	480	433	4291	560	1508	5454	5922	-400	-678	11645	567	12212	2185	14397	49.86
21	3447	416	422	4285	613	1507	5484	5304	-400	-683	11078	446	11524	2210	13734	50.05
22	3254	328	399	3981	563	1507	5520	5709	-400	-697	11113	300	11413	2206	13619	49.93
23	3182	340	394	3916	486	1481	5506	5802	-400	-715	11020	72	11092	2173	13265	49.94
24	3220	327	393	3940	489	1492	5212	5473	-400	-738	10706	63	10769	2105	12874	50.03
MUs	80.11	6.53	10.39	97.03	9.43	36.81	127.11	132.31	-9.32	-13.82	262.17	11.31	273.47	46.03	319.51	50.01

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 02/Sep/2012

Position as on 6.30 Hrs of 03/Sep/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refueling work.	30/09/2012
Koradi Unit 6	210	23/07/2012	10:51	02/09/2012	03:20	P. A. Fan problem. (Covered to AOH from 26-07-12)	
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.	
Cent_Sect NTPC(V-6)	210	29/08/2012	01.16		Continued.	AOH.	
REL 2	250	01/09/2012	04.18		Continued.	Annual Overhauling.	21/09/2012
FORCED OUTAGE							
Bhusawal Unit 5	500	30/03/2012	04.34		Continued.	Hand Tripped	
Koyna Unit 11	80	18/06/2012	08.00	02/09/2012	16.10	Stator E/F.	
Dabhol 1B	230	23/07/2012	15.57		Continued.	Combustion Inspection	
Dabhol 1X	290	10/08/2012	17.31		Continued.	Gas Shortage.	
Dabhol 1A	230	10/08/2012	17.33		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.	
Bhusawal Unit 4	500	27/08/2012	17.50		Continued.	BLR T/L.	
CPP WPCL U-2	135	28/08/2012	16.17	03/09/2012	07.12	Coal mill chock up.	
Nasik Unit 5	210	30/08/2012	06.50	03/09/2012	06.55	Low Drum Level.	
Dabhol 3A	230	30/08/2012	23:49		Continued.	Gas Shortage.	
Hydro GhatgharU1	125	01/09/2012	09.05	02/09/2012	17.23	Oil Leakage.	
CPP WPCL U-1	135	01/09/2012	09.41		Continued.	Ash Handling Problem.	
Uran Unit 7	108	01/09/2012	16.33		Continued.	Gas Shortage.	
Parli Unit 3	210	02/09/2012	10.33		Continued.	Coal Shortage.	
Koradi Unit 5	200	02/09/2012	12.12		Continued.	I D Fan Problem.	
Khaparkheda Unit 1	210	02/09/2012	21.58	03/09/2012	00.30	Furnace Pressure High.	
Hydro GhatgharU1	125	03/09/2012	04.30		Continued.	Load Bearing Temp.High.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Sep/2012

Position as on 6.30 Hrs of 03/Sep/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.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur (PG) II	04/07/2012	09.47		Continued.	PGCIL Work
Warora - Deoli - I	23/08/2012	22.24		Continued.	Over Voltage.
Seoni-Wardha-II 765KV.	24/08/2012	17.10		Continued.	Over Voltage.
Kolhapur - Mapusa - II	29/08/2012	10.52		Continued.	Relay Testing work(ready for charging from 17.12Hrs)
Kolhapur-Solapur(PGCIL)-I	01/09/2012	16.34		Continued.	Over Voltage.
Parli-Parli (PGCIL)-II	02/09/2012	06.30	02/09/2012	19.31	For Connection of Jumpers @ Parli.
Voltage Level : 400KV			Outage Type TRIPPED		
Lamboti - Solapur (PGCIL)	02/09/2012	18.49		Continued.	Distance Protection, Z-I B Ph to Y Ph.
Akola - Wardha - II	02/09/2012	19.31	02/09/2012	19.42	Over Voltage, Tripped @ Wardha End.
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	02/09/2012	19.42	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.
Lonikand - Parli - II	02/09/2012	07.29	02/09/2012	18.54	Connection of Jumper.
M.B-II At 400KV Parli	02/09/2012	07.35	02/09/2012	18.27	Connection of Jumper.
400/220KV,315MVA ICT-I at Karad	02/09/2012	09.42		Continued.	Comissioning of Fire Fight CTR System.
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)
Main Bus-II At 220 KV BBLSR	01/09/2012	20.37		Continued.	Replacement & Conversion of Twin Conductor to Quadrapale Conductor.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV,500MVA ICT - III at Parly	02/09/2012	23.17		Continued.	Taken on TBC(HV Side)Red Hot on Y Ph Pentograph Isolator IPS Tube Side.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Vita-Mhaisal	02/09/2012	10.27	02/09/2012	14.42	To Attained Hot Spot.
220/132KV 200MVA ICT-II at BBLSR	03/09/2012	01.50		Continued.	Due to Isolator Sparking. (L V Side Breaker Open)
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	31/08/2012	12.33		Continued.	Over Voltage.
Karad-Kolhapur-II	01/09/2012	21.18	02/09/2012	09.37	Over Voltage.
Karad - Kolhapur - I	02/09/2012	15.14		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 02/Sep/2012

Position as on 6.30 Hrs of 03/Sep/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100 MVA ICT @ Gadchiroli	18/06/2012	15.31		Continued.	Differential Protection operated
Purti - Bhugaon	01/09/2012	15.24		Continued.	Distance Protection R Ph.,Declared Faulty.
Apta-Taloja	02/09/2012	12.35	02/09/2012	15.52	PD @ Taloja.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 03/Sep/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	145
Unit 7	210	155
	620	300
Bhusawal		
Unit 2	210	165
Unit 3	210	0
Unit 4	500	
Unit 5	500	
	1420	165
Parli		
Unit 3	210	0
Unit 4	210	135
Unit 5	210	115
Unit 6	250	160
Unit 7	250	160
	1130	570
Chandrapur		
Unit 1	210	80
Unit 2	210	70
Unit 3	210	0
Unit 4	210	40
Unit 5	500	250
Unit 6	500	250
Unit 7	500	300
	2340	990
Paras		
Unit 3	250	150
Unit 4	250	150
	500	300
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	180
Unit 4	210	160
Unit 5	500	0
	1340	660
Nasik		
Unit 3	210	210
Unit 4	210	200
Unit 5	210	0
	630	410
Uran		
All Units	852	440
	852	440
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	0
VTRNA	60	28

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	1
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	4
GHATGHAR	250	0
	611	177
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	1093
WARDHA	405	310
Other CPPs	0	
	1005	1403
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	250
	500	250
Cent Sect		
Share	3455	5504
	3455	5504