



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Sep/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 04/Sep/2012 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	72.968	315.058	1) Gujrat	13.719	62.796
2) Hydro	10.562	30.383	2) Madhya Pradesh	20.614	85.314
3) Gas	10.170	41.299	3) Chattisgarh	11.980	47.450
Total MSGENCO	93.700	386.740	4) Maharashtra	57.864	252.293
B) OTHERS			5) Goa	-5.733	-22.187
1) JSW JAIGAD	26.231	108.357	6) TAPS 1&2 Injection	4.038	16.246
2) WPCL	6.625	22.530	7) RGPPL Injection	12.453	53.349
3) Other CPP / IPP	5.812	20.128	8) Pench (Excess)	-0.363	-1.749
4) Wind Generation	15.522	48.798	# Total Cent. Sector	114.572	493.512
5) PENCH (MS)	0.363	1.749	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-14.793	-59.110
1) TPCL Thermal	27.952	102.142	G) Bilateral Power *		
2) TPCL Hydro	4.884	20.742	1) MSEDCL Bilateral	34.973	148.243
TOTAL TPCL	32.836	122.884	Include PX	1.179	8.087
3) REL Thermal	6.104	25.527	2) MUMBAI Bilateral	15.584	54.193
D) STATE			Include PX	4.670	12.813
1) Thermal (A1+C1+C3)	107.024	442.727	3) MUMBAI Schedule	15.584	54.953
2) Hydro (A2+B5+C2)	15.809	52.874	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.170	41.299	1) MSEDCL	248.032	1022.704
4) Wind (B4)	15.522	48.798	2) TPCL	36.755	141.139
5) CPP (B1+B2+B3)	38.668	151.015	3) REL	16.974	66.369
TOTAL STATE	187.193	736.713	TOTAL STATE	301.761	1230.212

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3153	3012	3015
MSGENCO Hydro	494	1328	191
MSGENCO Gas	440	425	397
MSGENCO Total Generation	4087	4765	3603
Central Sector Receipt	5043	4847	4281
WIND	647	825	589
CPP / IPP	1608	1639	1366
Exchange with Mumbai	-662	-684	-557
MSEDCL DEMAND MET	10723	11419	9508
Load Shedding	390	434	111
MSEDCL DEMAND	11113	11853	9619
TPCL GENERATION	1814	1645	828
R-INFRA GENERATION	265	264	195
TPCL+R-INFRA DEMAND	2741	2593	1580
STATE DEMAND MET	13464	14012	11088
STATE DEMAND	13854	14446	11199
Frequency (Hz)	50.08	49.75	50.14

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.53 Hz at 08.01 Hrs	49.48 Hz at 18.58 Hrs	50.07	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 04/Sep/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	4.74	0	0	0
Unit 6	2.74	7.70	135	90	127
Unit 7	2.64	13.19	135	65	130
Total	5.38	25.63			257
Bhusawal					
Unit 2	3.50	14.60	165	130	165
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	0.00	0	0	0
Total	3.50	14.60			165
Parli					
Unit 3	0.00	3.27	0	0	0
Unit 4	2.64	10.75	152	77	120
Unit 5	2.66	10.30	135	54	115
Unit 6	0.00	7.26	0	0	0
Unit 7	4.00	13.73	201	144	160
Total	9.30	45.32			395
Chandrapur					
Unit 1	1.63	9.17	86	55	70
Unit 2	1.64	8.67	83	50	80
Unit 3	0.00	0.00	0	0	0
Unit 4	1.57	8.04	82	51	70
Unit 5	4.86	23.32	240	155	200
Unit 6	4.83	22.14	235	164	225
Unit 7	7.27	29.46	344	279	275
Total	21.80	100.80			920
Paras					
Unit 3	2.24	12.52	127	68	110
Unit 4	2.36	13.09	119	72	110
Total	4.60	25.61			220
Khaparkheda					
Unit 1	3.58	14.25	160	140	150
Unit 2	3.59	14.67	170	118	150
Unit 3	3.75	15.27	164	140	160
Unit 4	3.60	15.35	168	136	160
Unit 5	0.00	0.00	0	0	0
Total	14.52	59.53			620
Nasik					
Unit 3	4.84	19.06	215	180	210
Unit 4	4.66	17.95	208	175	200
Unit 5	4.36	6.55	196	170	200
Total	13.86	43.57			610
Uran					
All Units	10.17	41.30	449	395	390
Total	10.17	41.30			390
PENCH (MS)					
Pench (MS)	0.36	1.75	27	0	
Total	0.36	1.75			
Koyna					
Stage 1-2	2.28	7.67	395	40	530
Stage 4	0.80	0.80	250	0	250
Stage 3	1.89	4.96	240	0	320
Kovna 12&4 Total	3.09	8.47			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	4.98	13.44			1100
Hydro					
KDPH	0.92	1.16	39	29	19
VTRNA	0.00	0.35	0	0	0
TILLARI	0.93	2.58	60	0	60
BHTGR/VEER	0.11	0.46	5	4	4
BHIRA T.R.	0.45	1.78	82	0	80
RNGR+BHTSA	0.05	0.17	3	2	2
BHANDARDRA	0.58	2.61	45	14	14
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.29	4.74	54	53	30
GHATGHAR	1.25	3.11	222	0	0
Total	5.58	16.95			209
Wind					
MalharPeth	0.98	3.30			
Vankuswadi	1.70	5.36			
ATIT	0.22	1.04			
Kale	0.60	1.91			
Satara	0.50	5.09			
Shirala	0.60	1.98			
K Mahankal	4.06	8.70			
Supa	0.24	0.59			
Vita	3.84	11.54			
Dondaicha	0.86	4.67			
Sakri	0.20	0.71			
Nandurbar	0.10	0.52			
Khandke	1.10	2.19			
Khaparale	0.54	1.21			
Total	15.52	48.80			
CPP					
JSW JAIGAD	26.23	108.36	1136	911	945
WARDHA	6.62	22.53	313	187	310
Other CPPs	5.81	20.13			
Total	38.67	151.02			1255
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.79	38.92	505	284	500
Trombay 6	7.31	24.96	498	158	500
Trombay 7A	2.85	10.18	126	95	120
Trombay 7B	1.58	6.00	69	59	60
Trombay 8	5.41	22.08	241	192	250
TATA Hydro	4.88	20.74	384	0	447
Total	32.84	122.88			1877
REL					
1&2	6.10	25.53	265	195	250
Total	6.10	25.53			250
Cent Sect					
Share					4952
Total					4952

MS PG CL	Thermal	72.97	315.06			3187
	Thml+Gas	83.14	356.36			3577
	Hydro	10.56	30.38			1309
	Total	93.70	386.74			4886
State Total		187.19	736.71			13220

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/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	3074	186	398	3658	674	1539	4489	4406	-654	-653	9918	121	10039	1793	11832	50.06
2	3069	191	398	3658	725	1444	4383	4177	-542	-610	9680	104	9784	1671	11455	50.14
3	3015	191	397	3603	589	1366	4343	4281	-447	-557	9508	111	9619	1580	11199	50.14
4	3006	192	398	3596	576	1357	4294	4559	-412	-502	9613	121	9734	1527	11261	50.20
5	3074	192	396	3662	658	1457	4153	4549	-468	-487	9849	130	9979	1526	11505	50.18
6	3116	222	395	3733	642	1598	4171	4669	-508	-388	10254	226	10480	1623	12103	49.99
7	3077	233	398	3708	620	1563	4270	4601	-529	-435	10057	700	10757	1766	12523	50.13
8	3114	248	422	3784	573	1559	4333	4763	-596	-416	10263	724	10987	1927	12914	50.27
9	3031	298	436	3765	582	1584	4400	4751	-662	-469	10213	660	10873	2207	13080	50.12
10	3086	411	440	3937	616	1599	4440	4910	-692	-611	10451	457	10908	2542	13450	50.12
11	3153	494	440	4087	647	1608	4788	5043	-728	-662	10723	390	11113	2741	13854	50.08
12	3070	488	422	3980	611	1604	4873	4910	-810	-715	10416	487	10903	2778	13681	50.07
13	3023	396	428	3847	443	1611	4850	4948	-799	-752	10123	589	10712	2760	13472	50.17
14	3035	288	439	3762	374	1617	4774	5071	-723	-646	10205	487	10692	2652	13344	50.14
15	2945	694	436	4075	394	1596	4450	4780	-733	-711	10161	407	10568	2704	13272	50.06
16	2998	723	435	4156	512	1635	4404	4705	-734	-694	10314	352	10666	2674	13340	50.16
17	3065	452	431	3948	744	1633	4421	4835	-754	-725	10435	390	10825	2640	13465	50.04
18	3031	410	434	3875	959	1630	4383	4821	-640	-886	10399	423	10822	2548	13370	50.08
19	3024	774	426	4224	896	1634	4530	4961	-627	-713	11012	333	11345	2554	13899	49.82
20	3012	1328	425	4765	825	1639	4772	4847	-675	-684	11419	434	11853	2593	14446	49.75
21	3006	872	441	4319	733	1638	4826	4953	-718	-661	11009	404	11413	2474	13887	49.86
22	3047	528	441	4016	734	1589	4774	4949	-738	-634	10761	392	11153	2315	13468	50.01
23	3011	415	445	3871	770	1567	4763	5151	-725	-571	10955	134	11089	2161	13250	50.01
24	2886	336	449	3671	625	1521	4538	4870	-670	-611	10232	100	10332	1977	12309	50.03
MUs	72.97	10.56	10.17	93.70	15.52	37.59	108.42	114.51	-15.58	-14.79	247.97	8.68	256.65	53.73	310.38	50.07

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 04/Sep/2012

Position as on 6.30 Hrs of 05/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
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	
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.	Buchholz 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.	
Dabhol 3A	230	30/08/2012	23:49		Continued.	Gas Shortage.	
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.	
Koyna Unit 3	75	03/09/2012	07.25		Continued.	Maintenance work	
Parli Unit 6	250	03/09/2012	08.22		Continued.	M.S.Temp.Low	
CPP WPCL U-4	135	05/09/2012	05.43		Continued.	Flame failure.	
Koradi Unit 6	210	05/09/2012	06.20		Continued.	oil temp.high	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Sep/2012

Position as on 6.30 Hrs of 05/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.
Akola - Wardha - II	04/09/2012	00.26	05/09/2012	05.41	Over Voltage.
Dhule - S'Sarovar- II	05/09/2012	02.01		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Lamboti - Solapur (PGCIL)	02/09/2012	18.49	04/09/2012	15.48	Distance Protection, Y phase Crossarm,B and Y phase string broken at Loc.No.40
Akola - Aurangabad- II	05/09/2012	00.28		Continued.	Over Voltage
Koradi-Bhilai	05/09/2012	04.18		Continued.	Reactor winding temp.high
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC Pole-I	03/09/2012	09.15		Continued.	Q.M.Work.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Maintenance work.
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.
400/220KV,315MVA ICT-I at Karad	02/09/2012	09.42		Continued.	Comissioning of Fire Fight CTR System.
400/132KV,200MVA ICT-I at Khadka.	03/09/2012	09.37	04/09/2012	09.05	For modification of mounting arrangement of EB of 400KV line is replaced under LES.
New Koyna - Karad - I	03/09/2012	11.52		Continued.	Relay testing work.
Deepnagar-Aurangabad-I	04/09/2012	10.39	04/09/2012	18.05	Jumpering work.
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.
Bale - Tuljapur	04/09/2012	09.04	04/09/2012	18.27	For commissioning of numerical scope bus bar scheme.
Wardha--Dhamangaon	04/09/2012	10.41	04/09/2012	19.21	Replacement of Y ph.HV CT.
Main Bus @ Satara	04/09/2012	11.05	04/09/2012	17.30	Annual relay testing.
Lote- Dasturi	04/09/2012	11.30	04/09/2012	16.40	replacement of R ph.wave trap jumper.
New Parly - Beed - I	04/09/2012	11.36	04/09/2012	14.27	Replacement of R ph.insulator string.
Dahanu-Versova	04/09/2012	13.48	04/09/2012	20.23	Annual maint.work

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Sep/2012

Position as on 6.30 Hrs of 05/Sep/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
220/100KV,200MVA ICT-I at Borivali.	04/09/2012	15.40	04/09/2012	18.06	Work of T/F conservator isolation valve of CTR.
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		
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 - I	02/09/2012	15.14		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	03/09/2012	22.11	04/09/2012	08.52	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
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.
Bableshtar-Aurangabad	04/09/2012	03.33	04/09/2012	10.02	Over Voltage.
Koradi - Akola	05/09/2012	00.27		Continued.	Over Voltage
New Koyna - Stage IV	05/09/2012	01.09		Continued.	Over Voltage.
Karad-Jaigad I	05/09/2012	01.11		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
Ambazari-Amravati	03/09/2012	18.22	04/09/2012	10.33	Dist.protection.
Ghatghar-Bapgaon	04/09/2012	08.07	04/09/2012	14.27	Distance protection B ph.to earth.insulator decapping at loc.321.
220/33KV,25 MVA T/F-I at 400KV New Koyna	05/09/2012	00.52	05/09/2012	02.06	Back up protection.
Wardha - Wardha Power-II	05/09/2012	04.45	05/09/2012	05.20	Distance protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Parbhani-Parthur	04/09/2012	20.07	04/09/2012	20.24	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/Sep/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	110
	620	110
Bhusawal		
Unit 2	210	165
Unit 3	210	0
Unit 4	500	0
Unit 5	500	0
	1420	165
Parli		
Unit 3	210	0
Unit 4	210	130
Unit 5	210	80
Unit 6	250	0
Unit 7	250	135
	1130	345
Chandrapur		
Unit 1	210	50
Unit 2	210	70
Unit 3	210	0
Unit 4	210	70
Unit 5	500	175
Unit 6	500	225
Unit 7	500	250
	2340	840
Paras		
Unit 3	250	120
Unit 4	250	120
	500	240
Khaparkheda		
Unit 1	210	140
Unit 2	210	140
Unit 3	210	140
Unit 4	210	140
Unit 5	500	0
	1340	560
Nasik		
Unit 3	210	210
Unit 4	210	200
Unit 5	210	200
	630	610
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	36
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	7
BHIRA T.R.	80	80
RNGR+BHTSA	20	2
BHANDARDRA	45	14
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	199
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	809
WARDHA	405	310
Other CPPs	0	
	1005	1119
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	4592
	3455	4592