



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

State Load Dispatch Center, Airoli

Daily system Report

for

09/Apr/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 09/Apr/2013 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	110.864	1054.444	1) Gujrat	14.415	140.742
2) Hydro	11.676	83.947	2) Madhya Pradesh	18.567	180.581
3) Gas	12.859	99.561	3) Chattisgarh	7.470	71.240
Total MSGENCO	135.399	1237.952	4) Maharashtra	60.437	629.575
B) 1) JSW JAIGAD	26.136	215.829	5) Goa	-6.161	-54.504
2) WPCL	7.561	64.569	6) TAPS 1&2 Injection	3.344	9.712
3) ADANI	14.580	76.440	7) RGPPL Injection	28.212	144.790
4) Other CPP / IPP	9.079	87.842	8) Pench (Excess)	-0.831	-2.480
5) Wind Generation	9.701	85.862	# Total Cent. Sector	125.453	1119.656
6) PENCH (MS)	0.831	2.480	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-14.252	-114.653
1) TPCL Thermal	26.502	233.809	G) Bilateral Power *		
2) TPCL Hydro	4.538	33.373	1) MSEDCL Bilateral	43.275	393.209
TOTAL TPCL	31.040	267.182	Include PX	1.811	90.704
3) REL Thermal	12.578	113.040	2) MUMBAI Bilateral	16.451	133.729
D) STATE			Include PX	4.987	35.889
1) Thermal (A1+C1+C3)	149.944	1401.293	3) MUMBAI Schedule	16.451	133.729
2) Hydro (A2+B5+C2)	17.045	119.800	H) ENERGY CATERED (MUs)		
3) Gas (A3)	12.859	99.561	1) MSEDCL	314.488	2775.977
4) Wind (B4)	9.701	85.862	2) TPCL	37.832	327.084
5) CPP (B1+B2+B3)	57.356	382.820	3) REL	20.038	167.753
TOTAL STATE	246.905	2089.336	TOTAL STATE	372.358	3270.814

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4443	4461	4726
MSGENCO Hydro	998	1022	145
MSGENCO Gas	546	541	534
MSGENCO Total Generation	5987	6024	5405
Central Sector Receipt	6412	5640	4425
WIND	139	370	446
CPP / IPP	2480	2415	2233
Exchange with Mumbai	-783	-792	-140
MSEDCL DEMAND MET	14235	13710	12389
Load Shedding	703	504	239
MSEDCL DEMAND	14938	14214	12628
TPCL GENERATION	1476	1596	1055
R-INFRA GENERATION	524	525	525
TPCL+R-INFRA DEMAND	2783	2913	1720
STATE DEMAND MET	17018	16623	14109
STATE DEMAND	17721	17127	14348
Frequency (Hz)	49.93	49.85	49.72

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.28 Hz at 10.01 Hrs	49.32 Hz at 23.00 Hrs	49.86	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

Shift Engineer

Shift Incharge

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 09/Apr/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	4.29	32.62	190	167	180
Unit 7	4.18	38.01	191	145	185
Total	8.46	70.63			365
Bhusawal					
Unit 2	4.14	34.74	185	170	170
Unit 3	4.20	36.00	185	165	170
Unit 4	7.92	81.18	455	235	410
Unit 5	2.42	37.56	130	80	
Total	18.68	189.48			750
Parli					
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
Unit 6	0.00	0.00	0	0	0
Unit 7	0.00	0.00	0	0	0
Total	0.00	0.00			0
Chandrapur					
Unit 1	3.16	28.30	139	126	145
Unit 2	3.64	32.92	157	147	150
Unit 3	4.45	30.69	200	164	200
Unit 4	4.16	38.52	187	156	200
Unit 5	0.00	52.10	0	0	0
Unit 6	10.03	93.29	445	355	450
Unit 7	7.29	82.30	376	240	400
Total	32.73	358.12			1545
Paras					
Unit 3	5.85	53.52	259	207	250
Unit 4	5.32	50.64	239	206	230
Total	11.17	104.16			480
Khaparkheda					
Unit 1	3.96	33.63	185	145	160
Unit 2	3.40	31.20	165	100	160
Unit 3	3.93	33.66	206	140	150
Unit 4	4.31	35.75	210	160	180
Unit 5	10.95	78.73	488	405	450
Total	26.54	212.97			1100
Nasik					
Unit 3	4.52	39.79	200	175	195
Unit 4	4.22	38.69	187	169	185
Unit 5	4.55	40.60	199	173	195
Total	13.28	119.08			575
Uran					
All Units	12.86	99.56	548	517	540
Total	12.86	99.56			540
PENCH (MS)					
Pench (MS)	0.83	2.48	54	0	
Total	0.83	2.48			
Koyna					
Stage 1-2	3.14	24.22	535	40	600
Stage 4	1.45	9.02	280	0	250
Stage 3	1.22	7.51	160	0	240
Kovna 12&4 Total	4.59	33.24			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	5.81	40.75			1090
Hydro					
KDPH	0.91	6.32	38	37	36
VTRNA	0.94	8.80	61	0	60
TILLARI	0.34	3.18	60	0	60
BHTGR/VEER	0.05	0.41	2	2	2
BHIRA T.R.	0.22	1.55	80	0	40
RNGR+BHTSA	0.32	2.86	14	13	13
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.13	9.02	47	47	0
GHATGHAR	1.96	11.07	250	0	0
Total	5.87	43.20			211
Wind					
MalharPeth	0.95	4.88			
Vankuswadi	0.70	5.81			
ATIT	0.41	1.95			
Kale	0.28	2.13			
Satara	0.68	5.12			
Shirala	0.34	3.29			
K Mahankal	0.62	7.33			
Supa	0.18	1.14			
Vita	1.41	10.22			
Dondaicha	2.70	29.84			
Sakri	0.34	3.91			
Nandurbar	0.32	3.43			
Khandke	0.46	3.82			
Khaparale	0.30	2.98			
Total	9.70	85.86			
CPP					
JSW JAIGAD	26.14	215.83	1139	962	1030
WARDHA	7.56	64.57	324	312	315
Adani	14.58	76.44	620	600	615
Other CPPs	9.08	87.84			
Total	57.36	444.68			1960
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.62	98.03	502	318	500
Trombay 6	4.34	41.24	243	149	500
Trombay 7A	2.95	26.31	127	119	120
Trombay 7B	1.62	14.46	68	66	60
Trombay 8	5.97	53.76	253	215	250
TATA Hydro	4.54	33.37	421	0	447
Total	31.04	267.18			1877
REL					
1&2	12.58	113.04	527	501	500
Total	12.58	113.04			500
Cent Sect					
Share					6018
Total					6018

MS PG CL	Thermal	110.86	1054.44			4815
	Thml+Gas	123.72	1154.00			5355
	Hydro	11.68	83.95			1301
	Total	135.40	1237.95			6656
State Total		246.90	2089.34			17011

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 09/Apr/2013

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	4774	140	522	5436	570	2365	5317	5252	-519	-351	13323	128	13451	1995	15446	49.83
2	4712	145	522	5379	664	2303	5142	4846	-438	-223	13022	167	13189	1839	15028	49.93
3	4748	145	522	5415	476	2236	4992	4723	-433	-255	12648	174	12822	1757	14579	49.90
4	4742	180	524	5446	430	2234	4581	4584	-434	-305	12441	194	12635	1717	14352	49.81
5	4726	145	534	5405	446	2233	4581	4425	-433	-140	12389	239	12628	1720	14348	49.72
6	4806	172	544	5522	363	2384	4844	4623	-433	-167	12772	469	13241	1781	15022	49.77
7	4830	225	545	5600	278	2390	5026	4443	-431	-256	12501	997	13498	1876	15374	50.00
8	4897	163	548	5608	226	2390	5045	4977	-433	-367	12867	996	13863	1983	15846	49.95
9	4692	254	545	5491	180	2407	5236	5265	-578	-505	12838	954	13792	2228	16020	49.81
10	4511	1002	545	6058	178	2460	5698	5811	-828	-617	13890	708	14598	2550	17148	49.86
11	4443	998	546	5987	139	2480	6018	6412	-923	-783	14235	703	14938	2783	17721	49.93
12	4396	1116	545	6057	82	2471	6093	6086	-1015	-863	13833	829	14662	2940	17602	49.91
13	4461	991	540	5992	45	2419	5849	5969	-940	-889	13536	975	14511	2935	17446	49.91
14	4449	785	540	5774	36	2427	5740	5947	-855	-842	13342	816	14158	2874	17032	49.97
15	4463	1048	540	6051	139	2415	5594	5919	-849	-826	13702	624	14326	2887	17213	49.84
16	4523	1306	537	6366	280	2415	5491	5695	-857	-840	13969	541	14510	2925	17435	49.81
17	4461	1022	541	6024	370	2415	5467	5640	-832	-792	13710	504	14214	2913	17127	49.85
18	4492	233	538	5263	425	2470	5138	4771	-781	-880	12101	694	12795	2844	15639	49.94
19	4536	254	531	5321	696	2340	4775	4758	-791	-1029	12140	499	12639	2728	15367	49.79
20	4652	474	530	5656	656	2323	5124	4829	-865	-823	12694	573	13267	2782	16049	49.80
21	4615	311	539	5465	834	2398	5117	4959	-820	-759	12950	379	13329	2660	15989	49.85
22	4607	206	539	5352	813	2453	5034	5024	-694	-652	13040	210	13250	2517	15767	49.84
23	4679	206	525	5410	750	2460	5327	5174	-636	-589	13257	148	13405	2391	15796	49.79
24	4649	155	517	5321	625	2468	5287	5320	-633	-499	13287	117	13404	2245	15649	49.86
MUs	110.86	11.68	12.86	135.40	9.70	57.36	126.52	125.45	-16.45	-14.25	314.49	12.64	327.12	57.87	385.00	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 09/Apr/2013

Position as on 6.30 Hrs of 10/Apr/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Koradi Unit 5	200	16/09/2012	04.23		Continued.	C.O.H.,Generator Stator Replacement.	12/04/2013
Parli Unit 4	210	28/11/2012	02.37		Continued.	water shortage.	
Koyna Unit 12	80	29/11/2012	08.30		Continued.	A/OH.	
Cent_Sect Tarapur 2	80	31/12/2012	17.05		Continued.	Refuelling work	
Parli Unit 6	250	25/01/2013	19.49		Continued.	Water Shortage/AOH from 06.03.2013	
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Parli Unit 5	210	14/02/2013	22.45		Continued.	Water Shortage	
Parli Unit 7	250	17/02/2013	01.00		Continued.	Water Shortage.	
Cent_Sect TARAPUR-3	540	30/03/2013	22.30		Continued.	AOH.	
FORCED OUTAGE							
Dabhol 2B	230	03/01/2013	13.29		Continued.	Gas shortage.	
CPP Adani U1	660	31/01/2013	17:05		Continued.	400kV Tirora-Warora isolator sparking	
CPP WPCL U-4	135	04/02/2013	19.16		Continued.	ID fan vibration problem.	
Dabhol 2A	230	06/02/2013	21.32		Continued.	Gas Shortage	
Dabhol 2X	290	06/02/2013	21.32		Continued.	Gas Shortage	
Chandrapur Unit 5	500	06/04/2013	12.20		Continued.	Economiser Tube Leakage.	
CPP VIPL	300	06/04/2013	13.25		Continued.	Tripped.	
Koyna Unit 11	80	09/04/2013	07.00	09/04/2013	18.55	Maintenance work.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 09/Apr/2013

Position as on 6.30 Hrs of 10/Apr/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni-Wardha-II 765KV.	02/04/2013	18.01		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	07/04/2013	17.16	09/04/2013	09.03	Over Voltage.
Kolhapur - Mapusa - II	08/04/2013	18.34	09/04/2013	09.25	Over Voltage.
Kolhapur - Mapusa - I	09/04/2013	21.50		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dhule - Babhaleshwar - I	06/04/2013	11.26		Continued.	CB Overhauling Work(Taken on TBC).
400/220 KV 315 MVA ICT-II @ Dhule	09/04/2013	11.16		Continued.	CRM and testing work.Taken on TBC.
Karad-Jaigad I	09/04/2013	12.31	09/04/2013	12.50	For trial of PG isolator assembly testing.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 200 MVA ICT-I @ Padgha	06/03/2013	11.41		Continued.	Isolator replacement work(Up to 10/4/13)
Kalwa - Khargar	05/04/2013	10.52		Continued.	Mumbai Strengthening Work.
Girawli - Parly - IV	09/04/2013	09.10	09/04/2013	18.40	Line maintenance work.
220/33KV,100 MVA,ICT-II at Valve	09/04/2013	09.55	09/04/2013	15.50	Replacement of cu clamp by al clamp.
Kandalgaon - ONGC	09/04/2013	10.04	09/04/2013	12.45	Bus outage.
ONGC-TSS	09/04/2013	10.05	09/04/2013	12.49	Bus outage.
Main Bus at ONGC	09/04/2013	10.05	09/04/2013	12.49	Erection of hybrid pass.
Pawas-Kharepatan	09/04/2013	11.40	09/04/2013	12.53	LA washing work.
Parly - Harangul - II.	09/04/2013	15.25	09/04/2013	17.48	Replacement of jumper.
Hinganghat - RLY TSS - II	09/04/2013	16.03	09/04/2013	18.05	Measurement of contact resistances.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
400/220 KV 105 MVA Spare ICT Unit @ Bhusawal - II	02/02/2013	10.17		Continued.	Low Oil Pressure Alarm Received.
400/220KV 500MVA ICT-II at Warora	07/02/2013	17.57		Continued.	Handtripped
Aurangabad-Deepnagar-II	21/03/2013	11.15		Continued.	Hand Tripped
Bhusawal - Deepnagar - I	05/04/2013	09.26		Continued.	Over Voltage.
Bhusawal- Aurangabad	08/04/2013	16.32		Continued.	Over Voltage.
Karad - Kolhapur - I	08/04/2013	16.45	09/04/2013	07.00	Over Voltage.
Karad - Kolhapur - I	09/04/2013	17.53		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	04/02/2013	23.36		Continued.	Due to over loading.
Gorai - Borivali - II	04/04/2013	12:03		Continued.	Safety Purpose.(to work of 220 KV Gorai-Borivali - I Work.)
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated Declared Faulty by Genco.
Jejuri-Koyana STG-IV	09/04/2013	09.04	09/04/2013	09.38	Distance Protection.
Kalwa-Padgha-II	09/04/2013	10.45	09/04/2013	10.58	Tripped (Transient fault).

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 09/Apr/2013

Position as on 6.30 Hrs of 10/Apr/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 220KV			Outage Type TRIPPED		
Borivali (M) - Gorai (Rel) - I (cable)	31/03/2013	21:56		Continued.	Line diferential protection, dist.,protection tripped at both ends.
Kandalgaon - Sonalloy	09/04/2013	12.32	09/04/2013	13.08	Distance Protection.
Theur - Magarpatta	09/04/2013	16.02	09/04/2013	19.02	Distance Protection.
Parly Ext - Nanded - II	09/04/2013	19.40	09/04/2013	20.22	Distance protection Zone 2.
Voltage Level : 132KV			Outage Type TRIPPED		
Waghala- Jangamwadi	09/04/2013	20.25	09/04/2013	20.54	Distance protection Zone 1.
Waghala-Jangamwadi_II	09/04/2013	20.25	09/04/2013	21.09	Distance protection Zone 1.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 10/Apr/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	170
Unit 7	210	165
	620	335
Bhusawal		
Unit 2	210	152
Unit 3	210	152
Unit 4	500	300
Unit 5	500	0
	1420	604
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	0
	1130	0
Chandrapur		
Unit 1	210	140
Unit 2	210	155
Unit 3	210	200
Unit 4	210	200
Unit 5	500	0
Unit 6	500	450
Unit 7	500	350
	2340	1495
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	190
Unit 2	210	160
Unit 3	210	180
Unit 4	210	200
Unit 5	500	450
	1340	1180
Nasik		
Unit 3	210	195
Unit 4	210	185
Unit 5	210	195
	630	575
Uran		
All Units	852	540
	852	540
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	36
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	2
BHIRA T.R.	80	80
RNGR+BHTSA	20	14
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	253
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	1200	1030
WARDHA	405	315
Adani	1320	617
Other CPPs	0	
	2925	1962
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	6209
	3455	6209