



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/Nov/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 01/Nov/2011 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	95.036	95.036	1) Gujrat	5.964	5.964
2) Hydro	7.398	7.398	2) Madhya Pradesh	24.811	24.811
3) Gas	14.990	14.990	3) Chattisgarh	15.380	15.380
Total MSGENCO	117.424	117.424	4) Maharashtra	57.164	57.164
B) OTHERS			5) Goa	-6.633	-6.633
1) JSW JAIGAD	28.691	28.691	6) TAPS 1&2 Injection	7.016	7.016
2) WPCL	6.280	6.280	7) RGPPL Injection	32.110	32.110
3) Other CPP / IPP	3.697	3.697	8) Pench (Excess)	-0.338	-0.338
4) Wind Generation	2.704	2.704	# Total Cent. Sector	135.474	135.474
5) PENCH (MS)	0.338	0.338	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.084	-11.084
1) TPCL Thermal	28.384	28.384	G) Bilateral Power *		
2) TPCL Hydro	4.131	4.131	1) MSEDCL Bilateral	36.938	36.938
TOTAL TPCL	32.515	32.515	Include PX	1.238	1.238
3) REL Thermal	12.609	12.609	2) MUMBAI Bilateral	14.142	14.142
D) STATE			Include PX	1.911	1.911
1) Thermal (A1+C1+C3)	136.029	136.029	3) MUMBAI Schedule	14.142	14.142
2) Hydro (A2+B5+C2)	11.867	11.867	H) ENERGY CATERED (MUs)		
3) Gas (A3)	14.990	14.990	1) MSEDCL	283.524	283.524
4) Wind (B4)	2.704	2.704	2) TPCL	37.398	37.398
5) CPP (B1+B2+B3)	38.668	38.668	3) REL	18.810	18.810
TOTAL STATE	204.258	204.258	TOTAL STATE	339.732	339.732

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3807	4072	3905
MSGENCO Hydro	895	323	88
MSGENCO Gas	600	618	641
MSGENCO Total Generation	5302	5013	4634
Central Sector Receipt	5979	5814	5263
WIND	170	77	108
CPP / IPP	1626	1628	1612
Exchange with Mumbai	-671	-513	-211
MSEDCL DEMAND MET	12406	12059	11349
Load Shedding (LS)	1743	1255	393
MSEDCL DEMAND (INCL. LS)	14149	13314	11742
TPCL GENERATION	1584	1751	911
REL GENERATION	525	526	526
TPCL+REL DEMAND	2780	2790	1648
STATE DEMAND MET	15186	14849	12997
Load Management (LM)	2301	3464	1494
Total Load Relief (LS+LM)	4044	4719	1887
UNRESTRICTED STATE DEMAND	19230	19568	14884
Frequency (Hz)	49.83	49.82	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.37 Hz at 22.26 Hrs	49.2 Hz at 18.10 Hrs	49.85	.02 % 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 01/Nov/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.66	3.66	159	143	150
Unit 6	3.94	3.94	177	147	180
Unit 7	0.00	0.00	0	0	0
Total	7.60	7.60			330
Bhusawal					
Unit 2	3.81	3.81	175	130	170
Unit 3	1.78	1.78	175	0	160
Unit 4	0.00	0.00	0	0	
Total	5.60	5.60			330
Parli					
Unit 3	2.18	2.18	166	0	0
Unit 4	3.94	3.94	175	137	167
Unit 5	2.84	2.84	135	100	110
Unit 6	4.02	4.02	225	140	162
Unit 7	4.24	4.24	236	152	150
Total	17.22	17.22			589
Chandrapur					
Unit 1	3.78	3.78	165	145	160
Unit 2	0.00	0.00	0	0	0
Unit 3	4.12	4.12	189	134	190
Unit 4	4.80	4.80	218	174	200
Unit 5	9.74	9.74	430	350	420
Unit 6	9.21	9.21	440	307	420
Unit 7	0.00	0.00	0	0	0
Total	31.65	31.65			1390
Paras					
Unit 3	3.57	3.57	192	116	150
Unit 4	3.64	3.64	207	106	150
Total	7.21	7.21			300
Khaparkheda					
Unit 1	1.90	1.90	165	0	160
Unit 2	3.69	3.69	175	108	160
Unit 3	4.45	4.45	203	150	160
Unit 4	4.42	4.42	219	163	160
Unit 5	0.00	0.00	0	0	
Total	14.46	14.46			640
Nasik					
Unit 3	3.96	3.96	190	145	172
Unit 4	3.87	3.87	176	140	172
Unit 5	3.47	3.47	172	114	144
Total	11.30	11.30			488
Uran					
All Units	14.99	14.99	646	599	630
Total	14.99	14.99			630
PENCH (MS)					
Pench (MS)	0.34	0.34	53	0	
Total	0.34	0.34			
Koyna					
Stage 1-2	2.44	2.44	390	40	600
Stage 4	1.60	1.60	408	0	250
Stage 3	1.07	1.07	160	0	320
Total	5.10	5.10			1170
Kovna 12&4 Total	4.03	4.03			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.45	0.45	60	0	60
BHTGR/VEER	0.07	0.07	3	2	3
BHIRA T.R.	0.31	0.31	40	0	40
RNGR+BHTSA	0.35	0.35	15	14	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.58	0.58	31	21	11
GHATGHAR	0.54	0.54	125	0	0
Total	2.30	2.30			129
Wind					
MalharPeth	0.31	0.31			
Vankuswadi	0.44	0.44			
ATIT	0.10	0.10			
Kale	0.14	0.14			
Satara	0.35	0.35			
Shirala	0.16	0.16			
K Mahankal	0.17	0.17			
Supa	0.09	0.09			
Vita	0.43	0.43			
Dondaicha	0.00	0.00			
Sakri	0.07	0.07			
Nandurbar	0.09	0.09			
Khandke	0.20	0.20			
Khaparale	0.14	0.14			
Total	2.70	2.70			
CPP					
JSW JAIGAD	28.69	28.69	1222	1114	1100
WARDHA	6.28	6.28	286	256	260
Other CPPs	3.70	3.70			
Total	38.67	38.67			1360
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.16	11.16	490	324	490
Trombay 6	7.40	7.40	480	155	500
Trombay 7A	2.44	2.44	122	70	120
Trombay 7B	1.46	1.46	66	52	60
Trombay 8	5.93	5.93	248	244	250
TATA Hydro	4.13	4.13	459	0	447
Total	32.52	32.52			1867
REL					
1&2	12.61	12.61	528	523	500
Total	12.61	12.61			500
Cent Sect					
Share					5481
Total					5481

MS PG CL	Thermal	95.04	95.04			4067
	Thml+Gas	110.03	110.03			4697
	Hydro	7.40	7.40			1299
	Total	117.42	117.42			5996
State Total		204.26	204.26			15204

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/Nov/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS													
1	3933	82	640	4655	70	1640	5111	5538	-533	-494	11435	2101	11604	2059	15595	49.78
2	3931	78	637	4646	63	1547	5027	5480	-438	-381	11381	2046	11693	1867	15294	49.78
3	3933	83	640	4656	86	1523	4999	5520	-385	-327	11483	1838	11859	1733	15054	49.87
4	3905	88	641	4634	108	1532	4949	5263	-332	-211	11349	1887	11742	1648	14884	49.98
5	3972	78	646	4696	143	1538	4905	5251	-311	-196	11440	1888	11842	1646	14974	49.92
6	4009	103	642	4754	162	1553	4895	5517	-300	-152	11834	2162	12372	1702	15698	49.82
7	4022	263	644	4929	189	1624	4922	5279	-332	-139	11882	2806	12812	1744	16432	49.70
8	4043	158	641	4842	173	1630	4948	5315	-368	-221	11739	3563	12978	1857	17159	49.93
9	3975	127	634	4736	145	1621	5007	5582	-426	-360	11724	3801	12931	2148	17673	49.87
10	4019	207	614	4840	191	1622	5278	5529	-477	-465	11717	4001	13245	2492	18210	49.82
11	3932	240	605	4777	187	1622	5511	6122	-722	-640	12068	3965	13773	2738	18771	49.73
12	3807	895	600	5302	170	1626	5601	5979	-813	-671	12406	4044	14149	2780	19230	49.83
13	3781	817	603	5201	133	1634	5604	5850	-816	-610	12208	4198	14102	2793	19199	49.87
14	3779	814	601	5194	118	1638	5604	5664	-816	-577	12037	3895	13723	2743	18675	49.93
15	3832	789	599	5220	66	1636	5605	5891	-816	-634	12179	3577	13744	2785	18541	49.75
16	3794	903	603	5300	55	1645	5553	5889	-816	-649	12240	3620	13927	2790	18650	49.75
17	3829	321	612	4762	44	1626	5377	5872	-816	-669	11635	4181	13511	2789	18605	49.87
18	3964	372	616	4952	50	1634	5313	5201	-752	-592	11260	4262	12713	2747	18269	49.69
19	4072	323	618	5013	77	1628	5300	5814	-614	-513	12059	4719	13314	2790	19568	49.82
20	4092	219	624	4935	84	1632	5482	6049	-668	-537	12210	4533	13199	2779	19522	49.98
21	4222	186	625	5033	95	1631	5482	6162	-658	-510	12464	4199	13137	2580	19243	49.96
22	4139	84	627	4850	106	1629	5482	5903	-648	-524	11989	3953	12435	2437	18379	49.93
23	4107	84	644	4835	92	1628	5357	5475	-643	-471	11584	3771	11970	2331	17686	50.00
24	3944	84	634	4662	97	1629	5229	5329	-643	-541	11201	3291	11491	2230	16722	49.93
MUs	95.04	7.40	14.99	117.42	2.70	38.67	126.54	135.47	-14.14	-11.08	283.52	82.30	308.27	56.21	422.03	49.85

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 01/Nov/2011

Position as on 6.30 Hrs of 02/Nov/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Koradi Unit 7	210	08/10/2011	23.43		Continued.	Annual overhaul.	03/11/2011
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	
Khaparkheda Unit 5	500	21/10/2011	00.40		Continued.	Furnace pressure low.	
Parli Unit 3	210	28/10/2011	09.45	01/11/2011	07.40	ID fan problem.	
Dabhol 3A	230	29/10/2011	13.22		Continued.	Due to gas shortage.	
Chandrapur Unit 7	500	29/10/2011	23.58		Continued.	Boiler tube leakage.	02/11/2011
Cent_Sect KARPR2	220	31/10/2011	06.49		Continued.	D 20 Leakage.	02/11/2011
Chandrapur Unit 2	210	31/10/2011	15.24	01/11/2011	21.10	General Service Pump tripped	
CPP WPCL U-1	135	01/11/2011	00.28		Continued.	ID Fan Problem	
Khaparkheda Unit 1	210	01/11/2011	09.44	01/11/2011	13.14	Main Steam Temp.Low	
Bhusawal Unit 3	210	01/11/2011	10.33		Continued.	Boiler Tube Leakage	04/11/2011
CPP WPCL U-4	135	02/11/2011	04.40		Continued.	ID Fan Problem	03/11/2011

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/Nov/2011

Position as on 6.30 Hrs of 02/Nov/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha-Bhoisor (PGCIL)	01/11/2011	11.41	01/11/2011	12.55	For taking Reactor into service
Parli (PG) - Wardha (PG) - II	01/11/2011	12.49	01/11/2011	12.50	New Line Charged
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Boiser - Tarapur	30/10/2011	08.31		Continued.	60 Days outage for Dismantling of existing tower and re-stringing work for Mumbai Strengthening Scheme(Converted as Borivali-Tarapur
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli (PG)-Bhadravati I	08/10/2011	19.50		Continued.	Over Voltage
Parli-Parli (PGCIL) I	19/10/2011	21.40		Continued.	Over Voltage.
Parli (PGCIL)-Bhadravati-II	30/10/2011	17.07		Continued.	Over Voltage.
Kolhapur - Mapusa - I	31/10/2011	22.11	01/11/2011	10.22	Over Voltage
Dhule-Sar'Sarovar - I	31/10/2011	22.38	01/11/2011	10.53	Over Voltage
Kolhapur-Mapusa-II	01/11/2011	22.30		Continued.	Over Voltage
Dhule - S'Sarovar- II	01/11/2011	22.32		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Solapur (PGCIL)	22/10/2011	17:05		Continued.	Bus-I Bus bar protection operated due to Bursting of 400 KV Solapur (PGCIL) circuit breaker (Y-ph pole).
Voltage Level : 220KV			Outage Type TRIPPED		
Mudungi-Chikodi	31/10/2011	02.15	01/11/2011	11.45	Distance Protection
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV,500MVA ICT-III At Kalwa.	01/11/2011	06.30	01/11/2011	10.50	For attending 220KV R phase CT Oil Leakage
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C
220/132 KV 250 MVA ICT at Ambazari	05/08/2011	10.41		Continued.	ICT is to be replaced by 200 MVA ICT
Bhoisor - Borivali	30/10/2011	08.06		Continued.	60 Days outage for Dismantling of existing tower and re-stringing work for Mumbai Strengthening Scheme(Converted as Borivali-Tarapur
Main Bus-II at Nagothane	01/11/2011	06.30	01/11/2011	10.50	R.M.Work
Kalwa-Temghar	01/11/2011	09.23	01/11/2011	20.05	Hot Spot and R.M.Work
Chandrapur MIDC - Gadchandur	01/11/2011	10.55	01/11/2011	19.03	Measurement of Tan Delta of CT
Padgha-Jambhul-I	01/11/2011	11.22	01/11/2011	13.41	Attending Hot Spot and R.M.Work
Main Bus- II @ Lamboti	01/11/2011	11.46	01/11/2011	15.16	To attend Hot Spot
220/132 KV 200 MVA ICT - I @ Parbhani	01/11/2011	13.30	01/11/2011	16.00	Main Breaker testing work(ICT on TBC)
Main Bus @ Usmanabad	01/11/2011	16.40	01/11/2011	17.19	To open Jumper of Main Bus
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/100KV 200MVA ICT-IV at Kalwa	01/11/2011	23.25	02/11/2011	03.10	To attend Bus Fault
Voltage Level : 400KV			Outage Type HAND TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/Nov/2011

Position as on 6.30 Hrs of 02/Nov/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Karad - Kolhapur - I	24/10/2011	06.50	01/11/2011	15.58	Over Voltage.
Bhusawal- Aurangabad	30/10/2011	19.26	01/11/2011	05.39	Over Voltage
400/220KV,100 MVA Spare Unit at Korady	31/10/2011	02.36		Continued.	Buchholz Alarm received
Bhusawal- Aurangabad	01/11/2011	07.15	01/11/2011	12.04	Over Voltage
Karad - Kolhapur - II	01/11/2011	16.04		Continued.	Over Voltage
Bhusawal- Aurangabad	01/11/2011	16.43		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	12/10/2011	19.56		Continued.	For System Stability.
Valve-Jamde	18/10/2011	17.18		Continued.	H/T due to Tower collapsed at Loc.N,40,44,45,46.
Trombay - Tata Tie - I	31/10/2011	14.00	01/11/2011	00.29	Abnormal sound in B Phase P.T.Bus section-III
Trombay-Mulund	31/10/2011	14.06	01/11/2011	00.26	Abnormal sound in B Phase P.T.Bus section-III
Bus Section - III @ Trombay	31/10/2011	14.07	01/11/2011	00.21	Abnormal sound in B Phase P.T.Bus section-III
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV 105 MVA Spare ICT at Parly II	22/08/2011	13.50		Continued.	To Remove Trip Coil Assembly for Bus Coupler.
Voltage Level : 220KV			Outage Type TRIPPED		
Dondaicha - Jamde - I	18/10/2011	17.12		Continued.	Towers Damaged.
Dondaicha - Jamde - II.	18/10/2011	17.12		Continued.	Towers Damaged.
Dondaicha - Walve	18/10/2011	17.18		Continued.	Towers Damaged.
220/132KV 100MVA ICT-I at Bambhori	25/10/2011	19.06		Continued.	Tripped on R.E.F.
Voltage Level : 132KV			Outage Type TRIPPED		
Eldari - Jintur	19/10/2011	15.20		Continued.	B Phase Pole of C B Flashover.
Bhambori - Dharangaon	01/11/2011	14.10	01/11/2011	14.30	Backup O/C Protection
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa-Reliable	01/11/2011	20.50	02/11/2011	03.27	B phase Jumper broken at Kalwa Road side Main Bus
Std.Alkali - washi	01/11/2011	20.50	01/11/2011	21.28	Bus Fault at Kalwa S/stn.
Main Bus Road Side at Kalwa	01/11/2011	20.50	02/11/2011	03.05	Bus Fault due to B phase Jumper broken at Kalwa
Kalwa-Washi	01/11/2011	20.50	02/11/2011	03.15	B phase Jumper broken at Kalwa Road side Main Bus
Kalwa-Nocil I	01/11/2011	20.50	02/11/2011	03.55	B phase Jumper broken at Kalwa Road side Main Bus
null					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
50 MVAR Reactor of 400 KV Padgha-Bhoisor line	17/10/2011	19.47	01/11/2011	12.55	Oil Leakage at Padgha Reactor

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 02/Nov/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	145
Unit 6	210	170
Unit 7	210	0
	620	315
Bhusawal		
Unit 2	210	170
Unit 3	210	0
Unit 4	500	
	920	170
Parli		
Unit 3	210	130
Unit 4	210	155
Unit 5	210	115
Unit 6	250	160
Unit 7	250	160
	1130	720
Chandrapur		
Unit 1	210	160
Unit 2	210	120
Unit 3	210	185
Unit 4	210	200
Unit 5	500	400
Unit 6	500	350
Unit 7	500	0
	2340	1415
Paras		
Unit 3	250	150
Unit 4	250	150
	500	300
Khaparkheda		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	160
Unit 4	210	160
Unit 5	500	
	1340	640
Nasik		
Unit 3	210	182
Unit 4	210	182
Unit 5	210	182
	630	546
Uran		
All Units	852	630
	852	630
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	0
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	3
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	
GHATGHAR	250	
	611	118
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	1100
WARDHA	405	260
Other CPPs	0	
	1005	1360
Tata		
Trombay 4	150	0
Trombay 5	500	490
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1867
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5665
	3455	5665

	17900	7 of 7	15416
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