



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Apr/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Apr/2011 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.616	3788.540	1) Madhya Pradesh	59.350	1621.625
2) Hydro	33.990	698.789	2) Gujrat	25.876	943.590
3) Gas	14.721	446.639	3) Goa	-6.193	-197.730
Total MSGENCO	165.327	4933.968	4) TAPS 1&2 (Inj.)	3.888	187.789
B) OTHERS			5) Pench (Excess)	-0.101	-6.066
1) RGPPL Gas	33.897	1034.938	# Total Cent. Sector	82.820	2549.208
2) Wind Generation	7.742	185.924	F) Other Exchanges		
3) CPP	27.593	729.755	1) With TPCL (Excess)	-13.281	-377.446
4) PENCH (MS)	0.101	6.066	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	15.283	435.019
1) TPCL Thermal	27.117	762.559	Include PX	0.000	2.294
2) TPCL Hydro	3.417	117.895	2) MUMBAI Bilateral	13.278	398.691
TOTAL TPCL	30.534	880.454	Include PX	-1.142	16.682
3) REL Thermal	12.513	376.735	3) MUMBAI Schedule	13.278	401.066
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	156.246	4927.834	1) MSEDCL	304.199	9062.413
2) Hydro (A2+B3+C2)	37.508	822.750	2) TPCL	37.052	1079.695
3) Gas (A3+B1)	48.618	1481.577	3) REL	19.275	554.876
4) Wind (B2)	7.742	185.924	TOTAL STATE	360.526	10696.984
5) CPP (B3)	27.593	729.755			
TOTAL STATE	277.707	8147.840			

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	4967	4770	4990
MSGENCO Hydro	1550	1480	937
MSGENCO Gas	625	620	630
MSGENCO Total Generation	7142	6870	6557
Central Sector Receipt	4282	3604	2679
RGPPL	1408	1407	1412
WIND	122	473	592
CPP	1132	1259	1068
Exchange with Mumbai	-700	-670	-364
MSEDCL DEMAND MET	13386	12970	11944
Load Shedding (LS)	393	66	3
MSEDCL DEMAND (INCL. LS)	13779	13036	11947
TPCL GENERATION	1612	1392	935
REL GENERATION	523	520	523
TPCL+REL DEMAND	2835	2582	1822
STATE DEMAND MET	16221	15552	13766
Load Management (LM)	2246	3552	1790
Total Load Relief (LS+LM)	2639	3618	1793
UNRESTRICTED STATE DEMAND	18860	19170	15559
Frequency (Hz)	49.72	49.61	49.50

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.21 Hz at 18.04 Hrs	48.96 Hz at 00.07 Hrs	49.66	1.66 % 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 30/Apr/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	4.27	120.10	183	170	180
Unit 6	4.56	129.44	197	180	185
Unit 7	4.45	112.86	200	170	190
	13.29	362.40			555
Bhusawal					
Unit 2	3.98	118.64	180	135	150
Unit 3	1.55	118.75	190	0	180
Unit 4		0.00	0	0	0
	5.53	237.39			330
Parli					
Unit 3	3.62	105.75	163	123	158
Unit 4	0.00	112.72	0	0	0
Unit 5	0.00	95.55	0	0	0
Unit 6	3.35	153.90	240	0	221
Unit 7	5.12	139.96	240	181	225
	12.10	607.89			604
Chandrapur					
Unit 1	3.76	111.77	170	139	165
Unit 2	3.69	96.90	165	131	165
Unit 3	4.30	117.89	193	150	190
Unit 4	4.02	105.17	178	153	190
Unit 5	10.26	308.33	450	387	400
Unit 6	9.32	304.29	415	375	400
Unit 7	10.11	248.51	430	410	440
	45.47	1292.86			1950
Paras					
Unit 3	4.84	139.80	221	185	200
Unit 4	5.70	166.40	252	206	240
	10.54	306.20			440
Khaparkheda					
Unit 1	4.36	137.19	195	155	200
Unit 2	4.25	122.25	183	169	200
Unit 3	0.00	115.74	0	0	0
Unit 4	5.26	155.50	223	212	210
Unit 5		0.00	0	0	0
	13.87	530.68			610
Nasik					
Unit 1	0.00	40.26	0	0	0
Unit 2	2.20	50.18	98	83	88
Unit 3	4.50	131.20	195	180	186
Unit 4	4.61	122.02	205	158	187
Unit 5	4.50	107.47	194	180	184
	15.82	451.13			645
Uran					
All Units	14.72	446.64	639	458	630
	14.72	446.64			630
Dabhol					
RGPPL	33.90	1034.94	1442	1405	1400
	33.90	1034.94			1400
Koyna					
Stage 1-2	7.30	160.62	540	40	600
Stage 4	18.37	306.50	1062	347	250
Stage 3	5.54	100.85	320	160	320
	31.21	567.97			1170
Kovna 12&4 Total	25.67	467.12			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	11.25	0	0	0
VTRNA	0.00	34.16	0	0	0
TILLARI	0.12	7.11	56	0	0
BHTGR/VEER	0.12	10.04	5	5	10
BHIRA T.R.	0.18	6.44	75	0	80
RNGR+BHTSA	0.33	10.22	14	13	15
BHANDARDRA	0.75	6.71	33	30	25
ELDARY	0.00	5.01	0	0	0
SMLHY PTN	0.87	25.43	37	36	10
GHATGHAR	0.42	14.45	120	0	0
	2.78	130.82			140
PENCH (MS)					
Pench (MS)	0.10	6.07	27	0	
	0.10	6.07			
Wind					
MalharPeth	0.14	6.44			
Vankuswadi	0.36	12.40			
ATIT	0.06	4.24			
Kale	0.23	4.95			
Satara	0.54	10.96			
Shirala	0.18	5.50			
K Mahankal	0.03	3.53			
Supa	0.16	2.66			
Vita	0.76	22.02			
Dondaicha	3.35	75.12			
Sakri	0.54	11.60			
Nandurbar	0.36	8.86			
Khandke	0.62	9.78			
Khaparale	0.40	7.87			
	7.74	185.92			
CPP					
JSW JAIGAD	12.40	392.39	530	493	505
WARDHA	7.79	181.98	413	273	350
Other CPPs	7.40	155.39			
	27.59	729.76			855
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.08	317.82	490	350	500
Trombay 6	5.93	160.44	375	150	500
Trombay 7A	2.82	85.48	121	115	120
Trombay 7B	1.57	46.75	66	65	60
Trombay 8	5.72	152.07	250	155	250
TATA Hydro	3.42	117.90	372	0	447
	30.53	880.45			1877
REL					
1&2	12.51	376.74	523	519	500
	12.51	376.74			500
Cent Sect					
Share					3064
					3064

MS PG CL	Thermal	116.62	3788.54			5134
	Thml+Gas	131.34	4235.18			5764
	Hydro	33.99	698.79			1310
	Total	165.33	4933.97			7074
State Total		277.71	8147.84			14770

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/Apr/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAN D WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS														
1	4984	1312	616	6912	1416	601	1126	2733	2714	-632	-609	12160	2062	12160	2217	16439	49.44
2	4986	1272	632	6890	1414	528	1102	2753	2696	-511	-426	12204	1925	12204	1961	16090	49.44
3	4990	937	630	6557	1412	592	1068	2840	2679	-416	-364	11944	1793	11947	1822	15559	49.50
4	5037	966	631	6634	1413	450	1055	2791	2842	-360	-329	12065	1760	12068	1787	15612	49.61
5	5061	1163	635	6859	1415	379	1075	2723	2653	-327	-298	12083	1813	12086	1755	15651	49.61
6	5064	1715	637	7416	1414	327	1102	2674	2617	-300	-278	12598	2053	12672	1777	16428	49.61
7	5114	1820	639	7573	1436	210	1109	2957	2774	-359	-352	12750	2457	13026	1787	16994	49.78
8	5124	1362	633	7119	1442	160	1115	2965	3227	-359	-372	12691	2467	12977	1861	17019	49.86
9	5082	1489	625	7196	1420	133	1123	3061	3301	-408	-466	12707	2494	13020	2083	17284	49.74
10	4913	1720	619	7252	1410	199	1124	3333	3440	-507	-568	12857	2519	13169	2451	17827	49.67
11	4925	1353	628	6906	1409	171	1124	3586	3810	-611	-612	12808	2537	13120	2677	18022	49.79
12	4967	1550	625	7142	1408	122	1132	3638	4282	-654	-700	13386	2639	13779	2835	18860	49.72
13	4850	1818	629	7297	1411	74	1167	3611	3766	-666	-685	13030	2672	13457	2831	18533	49.71
14	4841	1749	625	7215	1410	76	1164	3565	3921	-622	-641	13145	2602	13502	2755	18502	49.81
15	4638	1915	626	7179	1410	103	1136	3467	4050	-638	-667	13211	2429	13577	2775	18415	49.60
16	4541	1946	629	7116	1407	135	1156	3374	4263	-660	-659	13418	2361	13796	2772	18551	49.69
17	4604	1854	625	7083	1405	156	1168	3353	4065	-633	-634	13243	2367	13633	2718	18328	49.74
18	4660	1308	630	6598	1408	186	1190	3322	4047	-600	-597	12832	2605	13167	2622	18059	49.95
19	4766	724	632	6122	1406	351	1187	3197	3867	-580	-582	12351	3291	12466	2526	18168	49.88
20	4770	1480	620	6870	1407	473	1259	3342	3604	-682	-670	12970	3618	13036	2582	19170	49.61
21	4746	1372	623	6741	1406	480	1250	3390	3622	-730	-725	12801	3625	12858	2537	18963	49.55
22	4680	857	614	6151	1405	679	1247	3390	3836	-730	-708	12633	3625	12690	2468	18726	49.60
23	4637	1121	458	6216	1408	592	1222	3187	3461	-634	-653	12267	3619	12319	2377	18263	49.56
24	4636	1187	460	6283	1405	566	1192	3109	3283	-658	-686	12046	3156	12046	2352	17554	49.42
MUs	116.6 2	33.99	14.72	165.33	33.90	7.74	27.59	76.36	82.82	-13.28	-13.28	304.20	62.49	308.78	56.33	423.02	49.66

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 30/Apr/2011

Position as on 6.30 Hrs of 01/May/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Dabhol 1B	230	15/03/2011	02.37		Continued.	Upgradation Work.	10/05/2011
Khaparkheda Unit 3	210	25/04/2011	02.51		Continued.	Annual overhaul.	25/05/2011
FORCED OUTAGE							
Parli Unit 5	210	25/04/2011	22.21	01/05/2011	09.50	Non availability of coal mill	
Nasik Unit 1	125	27/04/2011	11.40	01/05/2011	21.30	Boiler Tube Leakage.	
Cent_Sect Kawas GT2A	106	27/04/2011	12.43		Continued.	Preventive maint.work	02/05/2011
Cent_Sect NTPC(K-4)	500	28/04/2011	14.53	30/04/2011	07.27	Boiler Tube Leakage.	
Cent_Sect NTPC(K-6)	500	29/04/2011	12.15	30/04/2011	00.56	Cooling pump problem.	
Parli Unit 4	210	29/04/2011	16.58		Continued.	I.D.Fan problem.	02/05/2011
Cent_Sect NTPC(K-5)	500	30/04/2011	02.55	01/05/2011	05.40	Boiler Tube Leakage.	
Bhusawal Unit 3	210	30/04/2011	09.02		Continued.	Boiler Tube Leakage.	03/05/2011
Parli Unit 6	250	30/04/2011	14.35	30/04/2011	17.50	Furnance pressure high.	
Parli Unit 6	250	30/04/2011	20.37		Continued.	Boiler Tube Leakage.	02/05/2011
Koyna ST-IV 1	250	30/04/2011	22.00	01/05/2011	05.00	R.M.Work	
Uran Unit 6	108	30/04/2011	22.05	01/05/2011	01.51	Replacement of relay.	
Koyna Unit 11	80	01/05/2011	07.00		Continued.	Rotor E/F	04/05/2011
Bhusawal Unit 2	210	01/05/2011	16.58		Continued.	Boiler Tube Leakage	04/05/2011
Nasik Unit 2	125	01/05/2011	18.40	01/05/2011	23.45	FST and Condensor Level Problem	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Apr/2011

Position as on 6.30 Hrs of 01/May/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Pench-Mansar	08/04/2011	10.35		Continued.	Replacement of Relay & Control Pannel.up to 05.05.2011.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - II	29/04/2011	22.56	30/04/2011	11.52	Over Voltage.
Dhule-Sar'Sarovar - I	30/04/2011	22.19	01/05/2011	11.11	Over Voltage.
Kolhapur - Mapusa - II	01/05/2011	17.37		Continued.	Over Voltage
Dhule - S'Sarovar- II	01/05/2011	17.50		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Koradi-Bhilai	30/04/2011	17.43	30/04/2011	18.04	No indication.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kalwa - Padgha - I	30/04/2011	05.26	30/04/2011	06.03	Removing crow nest.
400/220KV 315MVA ICT- I @ Chandrapur	30/04/2011	09.27	30/04/2011	15.44	Main breaker CRM work.(ICT HV side on TBC)
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(6 MonthOutage.)
Borivali-Boisar	03/04/2011	09.48	30/04/2011	15.56	LILO work of 220KV Borivali-Boiser at 220KV Ghodbandar(Up to 01.05.2011)
Kalwa - Tifil	15/04/2011	09.42		Continued.	Stringing of 4th ckt. between Mahape S/S and TIFIL LILO Tower.,up to 30.04.2011.
220/132 KV 100 MVA ICT- II @ Parbhani	16/04/2011	11.38		Continued.	Augmentation by 200MVA ICT.
220 KV GIS Bus - II @ Aarey	27/04/2011	07.21	30/04/2011	22.30	GIS Bus-II Extension Work.
220/132KV 200MVA ICT-V @ Nasik OCR	30/04/2011	07.16		Continued.	Internal inspection and attending oil leakage.
220/132KV,150 MVA ICT- II at Nasik GCR	30/04/2011	08.07	30/04/2011	13.25	Tan delta and measurement of CTs and bay maintenance work.
Kandalgaon - Pophali	30/04/2011	09.05	01/05/2011	23.08	LA replacemant.
Padgha - Jindal	30/04/2011	10.03	30/04/2011	20.34	R.M.Work.
220/33KV 125 MVA T/F 4 at Ghodbandar	01/05/2011	06.10		Continued.	Annual Maint.
220/132 KV 200 MVA ICT- II @ Boiser	01/05/2011	07.55	01/05/2011	14.43	Q.M.Work
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220KV 105MVA Spare ICT @ Parly-II	22/04/2011	13.50		Continued.	To remove trip coil assembly for bus coupler.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	29/04/2011	20.46	30/04/2011	05.39	Over Voltage.
Bhusawal- Aurangabad	01/05/2011	20.39		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Hingoli-Pusad	18/04/2011	13.07	01/05/2011	10.39	To control Wardha-Yavatmal load
Wardha-Abhijeet I	18/04/2011	17.05		Continued.	To control Koradi ICT Load
Wardha-Abhijeet II	25/04/2011	17.04	01/05/2011	10.39	To control Koradi ICT Load
Khaperkheda - Wardha.	26/04/2011	13.10	01/05/2011	10.33	To control Koradi ICT Load
Chandrapur-Warora - I	27/04/2011	15.35		Continued.	To Control WRR-WRD & WRR-

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 30/Apr/2011

Position as on 6.30 Hrs of 01/May/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					HGHAT Loading.
Dhule-Chalisgaon	29/04/2011	13.19		Continued.	To control ICT loading.
Bale-Murud	30/04/2011	15.15		Continued.	To control Parly ICT.
Bale-Usmanabad	30/04/2011	15.15		Continued.	To control Parly ICT.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Supa - Shirur	07/03/2011	15.15		Continued.	To control Lonikand ICT Load
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Kolhapur - II	01/05/2011	17.18		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
220/100KV 200MVA ICT-III at Kalwa	03/04/2011	16.00		Continued.	Buchholz Trip,Diff.Prot.operated,PRV tripped(Failed).
220/110KV 200MVA ICT-II at Mudshingi	10/04/2011	18.10		Continued.	Differential Protection, Defective B Phase LA replaced(Kept on Humming at 16.30Hrs on 18/4/11)
Lamboti - Karkumb	30/04/2011	12.48	30/04/2011	13.12	Distance protection.
Karkumbh-Jeur	30/04/2011	12.48	30/04/2011	13.14	Distance protection
Aarey-Versova-II	30/04/2011	21.54	30/04/2011	22.30	New GIS Bus-II extention work.
Aurangabad - Bhenda	01/05/2011	12.50	01/05/2011	13.14	Distance Protection
Vita - Ghatnandre	01/05/2011	14.58	01/05/2011	15.30	Distance Protection
KDPH-Wankuswadi	01/05/2011	15.15		Continued.	Y Phase LA Burst
Voltage Level : 132KV			Outage Type TRIPPED		
Girwali - Latur MIDC	30/04/2011	14.35	30/04/2011	15.20	Load trimming scheme operated at 400KV Girwali.
Giravali-Latur	30/04/2011	14.35	30/04/2011	15.19	Load trimming scheme operated at 400KV Girwali.
Giravali-Gangakhed	30/04/2011	14.35	30/04/2011	15.10	Load trimming scheme operated at 400KV Girwali.
Girwali - Kej	30/04/2011	14.35	30/04/2011	15.16	Load trimming scheme operated at 400KV Girwali.
Pusad - Gunj	01/05/2011	07.07	01/05/2011	07.17	Backup Protection Operated
Deepnagar - Jalgaon - I	01/05/2011	16.58	01/05/2011	17.03	Load Trimming Scheme operated at Deepnagar
Deepnagar-Jalgaon-II	01/05/2011	16.58	01/05/2011	17.04	Load Trimming Scheme operated at Deepnagar
Deepnagar-Nimbhora	01/05/2011	16.58	01/05/2011	17.13	Load Trimming Scheme operated at Deepnagar
Deepnagar - Yawal	01/05/2011	16.58	01/05/2011	17.17	Load Trimming Scheme operated at Deepnagar

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/May/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	175
Unit 6	210	196
Unit 7	210	187
	620	558
Bhusawal		
Unit 2	210	180
Unit 3	210	0
Unit 4	0	
	420	180
Parli		
Unit 3	210	135
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	220
	1130	355
Chandrapur		
Unit 1	210	165
Unit 2	210	165
Unit 3	210	195
Unit 4	210	180
Unit 5	500	450
Unit 6	500	400
Unit 7	500	450
	2340	2005
Paras		
Unit 3	250	210
Unit 4	250	230
	500	440
Khaparkheda		
Unit 1	210	180
Unit 2	210	140
Unit 3	210	0
Unit 4	210	210
Unit 5	0	
	840	530
Nasik		
Unit 1	120	0
Unit 2	120	81
Unit 3	210	172
Unit 4	210	177
Unit 5	210	170
	870	600
Uran		
All Units	852	630
	852	630
Dabhol		
RGPP	1940	1400
	1940	1400
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	0

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	14
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	13
GHATGHAR	250	0
	611	202
PENCH (MS)		
Pench (MS)	53	
	53	
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	395
WARDHA	405	365
Other CPPs	0	
	1005	760
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	3368
	3455	3368