



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

State Load Dispatch Center, Airoli

Daily system Report

for

27/Apr/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/Apr/2011 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	122.197	3425.986	1) Madhya Pradesh	61.809	1432.940
2) Hydro	28.452	623.715	2) Gujrat	25.706	860.649
3) Gas	15.177	401.385	3) Goa	-6.400	-178.574
Total MSGENCO	165.826	4451.086	4) TAPS 1&2 (Inj.)	3.899	176.147
B) OTHERS			5) Pench (Excess)	-0.024	-5.791
1) RGPPL Gas	33.136	933.655	# Total Cent. Sector	84.990	2285.371
2) Wind Generation	6.962	158.451	F) Other Exchanges		
3) CPP	23.069	649.929	1) With TPCL (Excess)	-12.102	-338.689
4) PENCH (MS)	0.024	5.791	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	14.857	390.433
1) TPCL Thermal	28.529	677.677	Include PX	0.000	2.294
2) TPCL Hydro	4.777	105.705	2) MUMBAI Bilateral	12.947	358.409
TOTAL TPCL	33.306	783.382	Include PX	-0.963	19.671
3) REL Thermal	12.541	339.140	3) MUMBAI Schedule	12.947	360.784
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	163.267	4442.803	1) MSEDCL	301.905	8145.594
2) Hydro (A2+B3+C2)	33.253	735.211	2) TPCL	38.352	965.112
3) Gas (A3+B1)	48.313	1335.040	3) REL	19.596	496.019
4) Wind (B2)	6.962	158.451	TOTAL STATE	359.853	9606.725
5) CPP (B3)	23.069	649.929			
TOTAL STATE	274.864	7321.434			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5100	5028	5163
MSGENCO Hydro	1006	1621	422
MSGENCO Gas	625	636	639
MSGENCO Total Generation	6731	7285	6224
Central Sector Receipt	4307	3739	3029
RGPPL	1416	1376	1319
WIND	183	224	441
CPP	953	991	879
Exchange with Mumbai	-585	-629	-287
MSEDCL DEMAND MET	13005	13006	11605
Load Shedding (LS)	130	221	18
MSEDCL DEMAND (INCL. LS)	13135	13227	11623
TPCL GENERATION	1762	1533	935
REL GENERATION	523	521	523
TPCL+REL DEMAND	2870	2683	1745
STATE DEMAND MET	15875	15689	13350
Load Management (LM)	2047	3451	1419
Total Load Relief (LS+LM)	2177	3672	1437
UNRESTRICTED STATE DEMAND	18052	19361	14787
Frequency (Hz)	49.89	49.51	49.46

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.16 Hz at 16.08 Hrs	48.98 Hz at 22.33 Hrs	49.65	3 % 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 27/Apr/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	4.07	108.21	177	155	180
Unit 6	4.47	116.30	199	165	190
Unit 7	4.34	100.04	195	135	190
	12.87	324.56			560
Bhusawal					
Unit 2	4.24	106.48	190	160	190
Unit 3	4.19	108.37	195	0	190
Unit 4		0.00	0	0	
	8.42	214.84			380
Parli					
Unit 3	3.47	94.22	163	112	150
Unit 4	4.01	106.85	189	126	170
Unit 5	0.00	95.55	0	0	0
Unit 6	5.25	140.51	243	172	240
Unit 7	3.42	124.99	205	0	220
	16.15	562.13			780
Chandrapur					
Unit 1	3.91	100.41	169	138	165
Unit 2	3.83	85.59	171	153	160
Unit 3	4.50	104.57	195	174	190
Unit 4	3.92	92.94	179	138	150
Unit 5	9.82	278.26	445	385	450
Unit 6	9.41	276.32	405	357	400
Unit 7	10.22	217.86	443	394	450
	45.59	1155.94			1965
Paras					
Unit 3	4.70	125.33	220	173	200
Unit 4	4.90	149.87	232	135	220
	9.60	275.20			420
Khaparkheda					
Unit 1	4.42	123.92	200	165	180
Unit 2	4.17	109.22	190	127	170
Unit 3	0.00	115.74	0	0	0
Unit 4	5.26	139.94	222	214	210
Unit 5		0.00	0	0	
	13.86	488.81			560
Nasik					
Unit 1	0.88	40.26	91	0	90
Unit 2	1.83	44.50	90	68	90
Unit 3	4.56	117.62	195	180	190
Unit 4	4.02	108.22	201	140	180
Unit 5	4.40	93.91	194	168	190
	15.69	404.51			740
Uran					
All Units	15.18	401.38	656	615	620
	15.18	401.38			620
Dabhol					
RGPPL	33.14	933.66	1418	1319	1500
	33.14	933.66			1500
Koyna					
Stage 1-2	6.16	143.76	500	45	600
Stage 4	14.08	268.21	840	199	250
Stage 3	4.24	88.93	320	0	320
	24.48	500.90			1170
Kovna 12&4 Total	20.24	411.97			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	11.25	0	0	0
VTRNA	0.98	34.16	60	0	60
TILLARI	0.17	6.87	60	0	60
BHTGR/VEER	0.14	9.68	6	6	17
BHIRA T.R.	0.22	5.81	62	0	80
RNGR+BHTSA	0.38	9.17	16	16	16
BHANDARDRA	0.00	4.46	0	0	0
ELDARY	0.27	4.88	12	11	11
SMLHY PTN	0.64	22.65	34	24	10
GHATGHAR	1.16	13.90	125	0	
	3.97	122.82			254
PENCH (MS)					
Pench (MS)	0.02	5.79	20	0	
	0.02	5.79			
Wind					
MalharPeth	0.27	5.44			
Vankuswadi	0.34	10.78			
ATIT	0.11	3.86			
Kale	0.13	3.97			
Satara	0.12	9.92			
Shirala	0.13	4.54			
K Mahankal	0.07	3.01			
Supa	0.11	2.20			
Vita	0.31	18.80			
Dondaicha	3.58	63.95			
Sakri	0.57	9.85			
Nandurbar	0.42	7.68			
Khandke	0.48	7.78			
Khaparale	0.33	6.66			
	6.96	158.45			
CPP					
JSW JAIGAD	12.15	353.09	517	481	505
WARDHA	6.67	160.06	335	204	350
Other CPPs	4.25	136.78			
	23.07	649.93			855
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.05	284.24	490	350	500
Trombay 6	7.34	139.54	490	150	500
Trombay 7A	2.84	76.95	121	115	120
Trombay 7B	1.57	42.03	67	65	60
Trombay 8	5.73	134.91	250	160	250
TATA Hydro	4.78	105.70	460	0	447
	33.31	783.38			1877
REL					
1&2	12.54	339.14	525	520	500
	12.54	339.14			500
Cent Sect					
Share					3498
					3498

MS PG CL	Thermal	122.20	3425.99		5405
	Thml+Gas	137.37	3827.37		6025
	Hydro	28.45	623.72		1424
	Total	165.83	4451.09		7449
State Total		274.86	7321.43		15679

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/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	5083	885	626	6594	1324	393	889	3302	3367	-576	-565	12002	2085	12002	2165	16252	49.59
2	5056	953	635	6644	1320	448	884	3187	3186	-456	-389	12093	1983	12093	1951	16027	49.60
3	5109	656	638	6403	1320	498	879	3110	3068	-378	-320	11848	1495	11866	1827	15170	49.54
4	5163	422	639	6224	1319	441	879	3049	3029	-322	-287	11605	1437	11623	1745	14787	49.46
5	5201	550	641	6392	1352	427	889	2910	2963	-283	-260	11763	1505	11781	1718	14986	49.38
6	5219	1272	638	7129	1372	414	870	2865	2906	-272	-197	12494	1745	12531	1744	15983	49.44
7	5234	1186	656	7076	1375	402	939	3058	3303	-342	-278	12817	1969	12873	1772	16558	49.78
8	5267	1284	635	7186	1400	235	946	3050	3610	-353	-324	13053	1969	13109	1873	16895	49.76
9	5279	1308	625	7212	1418	185	961	3113	3387	-430	-398	12765	1992	12844	2166	16923	49.82
10	5264	1406	625	7295	1417	145	949	3324	3622	-485	-489	12939	2035	13032	2568	17542	49.75
11	5100	1006	625	6731	1416	183	953	3615	4307	-594	-585	13005	2177	13135	2870	18052	49.89
12	4958	1266	623	6847	1414	129	969	3732	4188	-660	-711	12836	2209	12955	2975	18020	49.77
13	5031	1601	623	7255	1414	140	1005	3709	3869	-686	-654	13029	2243	13182	2974	18246	49.74
14	4966	1259	623	6848	1408	105	1000	3700	4158	-666	-616	12903	2222	13035	2932	18057	49.77
15	4948	1733	615	7296	1402	97	1001	3574	3751	-666	-652	12895	2224	13202	2928	18047	49.61
16	4953	1816	622	7391	1393	115	995	3471	3865	-666	-652	13107	2541	13751	2967	18615	49.71
17	5030	1416	630	7076	1403	145	997	3488	3949	-649	-625	12945	2540	13565	2927	18412	49.88
18	5034	1186	634	6854	1396	167	998	3441	3679	-600	-558	12536	2607	12956	2812	17955	49.90
19	5069	1110	638	6817	1371	170	950	3371	3692	-580	-516	12484	3260	12649	2657	18401	49.70
20	5028	1621	636	7285	1376	224	991	3450	3739	-636	-629	13006	3672	13227	2683	19361	49.51
21	5109	1322	639	7070	1380	353	1004	3521	3500	-689	-617	12694	3698	12929	2564	18956	49.50
22	5061	1197	639	6897	1382	579	1040	3526	3380	-694	-632	12646	3554	12739	2434	18634	49.50
23	5021	990	638	6649	1382	531	1047	3349	3329	-622	-562	12376	3458	12376	2359	18193	49.49
24	5014	1007	634	6655	1382	436	1034	3245	3143	-644	-586	12064	3102	12064	2338	17504	49.45
MUs	122.20	28.45	15.18	165.83	33.14	6.96	23.07	80.16	84.99	-12.95	-12.10	301.91	57.72	305.52	57.95	417.58	49.65

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 27/Apr/2011

Position as on 6.30 Hrs of 28/Apr/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.	27/04/2011
Cent_Sect NTPC(V-4)	210	10/04/2011	00.01		Continued.	Annual overhaul.	10/05/2011
Khaparkheda Unit 3	210	25/04/2011	02.51		Continued.	Annual overhaul.	25/05/2011
FORCED OUTAGE							
CPP WPCL U-3	135	25/04/2011	01.22	27/04/2011	05.00	Filter replacement work.	
Parli Unit 5	210	25/04/2011	22.21		Continued.	Non availability of coal mill	
Cent_Sect Tarapur 2	80	26/04/2011	17.50		Continued.	Water Heater outlet Valve problem	
Cent_Sect NTPC(V) 9	500	27/04/2011	03.40	27/04/2011	09.12	Drum Level Protection	
CPP WPCL U-3	135	27/04/2011	06.30	27/04/2011	07.18	Tripped.	
Bhusawal Unit 3	210	27/04/2011	10.40	27/04/2011	12.22	Air Heater Trip.	
Nasik Unit 1	125	27/04/2011	11.40		Continued.	Boiler Tube Leakage.	01/05/2011
Cent_Sect Kawas GT2A	106	27/04/2011	12.43		Continued.	Tripped.	28/04/2011
Parli Unit 7	250	27/04/2011	13.00	27/04/2011	15.50	Attending Hot Spot on B Ph GT H V Bushing.	
Cent_Sect Kawas ST2C	116	27/04/2011	13.10	27/04/2011	13.55	Withdrawn.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Apr/2011

Position as on 6.30 Hrs of 28/Apr/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha -Tarapur - I	27/04/2011	09.03	27/04/2011	20.18	Annual Maint.Work @ Tarapur.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Nasik-Navsari-I	27/04/2011	08.10	27/04/2011	20.33	C T Replacement Work @ Navasari.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Pench-Mansar	08/04/2011	10.35		Continued.	Replacement of relay & control pannel.up to 28.04.2011.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule - S'Sarovar- II	26/04/2011	23.00	27/04/2011	11.04	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur - Mapusa - I	27/04/2011	15.45	27/04/2011	21.20	Distance Protection.
Kolhapur-Mapusa-II	27/04/2011	15.52	27/04/2011	16.38	Distance Protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400 KV TBC - II @ Chandrapur	27/04/2011	09.38	27/04/2011	13.09	CRM Work of Breaker.
New Koyna - Jaigad - II	27/04/2011	10.26	27/04/2011	18.00	Alingment of Y Ph D Isolator.
400/220 KV 315 MVA ICT - I @ Chakan	28/04/2011	00.18	28/04/2011	05.33	Replacement of 3 No's of Buchholz Relays.
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		Continued.	LILO work of 220KV Borivali-Boiser at 220KV Ghodbandar(Up to 28/4/11)
Kalwa - Tifil	15/04/2011	09.42		Continued.	Stringing of 4th ckt. between Mahape S/S and TIFIL LILO Tower.,up to 28.04.2011.
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		Continued.	GIS Bus-II Extension Work Upto 02.05.11.
66 KV Main Bus @ Yavatmal	27/04/2011	09.00	27/04/2011	13.20	Maintainance Work.
Main Bus @ Bale	27/04/2011	09.10	27/04/2011	18.10	R.M.Work.
Bale-Lamboti II	27/04/2011	09.10	27/04/2011	18.05	132KV Twin Bus Conversion Work.
Bale - Lamboti I	27/04/2011	09.10	27/04/2011	18.05	132KV Twin Bus Conversion Work
220/132KV 150 MVA ICT @ Ambazari.	27/04/2011	10.01	27/04/2011	14.08	Attending Oil Leakages from Top Plate.
Pophali - KDPH	27/04/2011	11.15	27/04/2011	20.30	Breaker Overhauling Work of KDPH Unit-1.
220/132 KV 80 MVA ICT @ Hinganghat	27/04/2011	11.15	27/04/2011	13.50	Replacement of WT & OT Meters.
KDPH-Wankuswadi	27/04/2011	11.17	27/04/2011	20.30	Breaker Overhauling Work of KDPH Unit-1.
Main Bus - II @ Khaparkheda	27/04/2011	11.37	27/04/2011	15.30	Bus Bar Scheme Testing Work.
220/100 KV 200 MVA T/F IV @ Apta	27/04/2011	13.00	27/04/2011	17.00	Bus Bar Connection D C Supply Seperation Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Khadka-Malkapur	26/04/2011	09.21	27/04/2011	17.53	Replacement of Aux.Bus Isolator

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Apr/2011

Position as on 6.30 Hrs of 28/Apr/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Main Bus at Bale	27/04/2011	09.10	27/04/2011	16.12	132KV Twin Bus Conversion Work.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV 315 MVA ICT - II @ Parli	21/04/2011	23.01		Continued.	To Attend L V Side Main Bkr.Problem.L V Side of ICT Taken on
Karad - Kolhapur - II	27/04/2011	21.12	27/04/2011	23.32	Red Hot @ Line Side Isolator IPS Tube Clamp.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	26/04/2011	22.59	27/04/2011	06.14	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
BBLSR-Waluj	09/04/2011	10.14		Continued.	To control A'bad ICT Loading.
Dhule-Chalisingaon	09/04/2011	15.54		Continued.	H/T to control Dhule ICTs over loading.
Hingoli-Pusad	18/04/2011	13.07		Continued.	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		Continued.	To control Koradi ICT Load
Bale-Murud	26/04/2011	11.41		Continued.	To control Parli ICT Load
Bale-Usmanabad	26/04/2011	11.41		Continued.	To control Parli ICT Load
Khaperkheda - Wardha.	26/04/2011	13.10		Continued.	To control Koradi ICT Load
Chinchwad-Parvati	27/04/2011	23.43		Continued.	Due to outage on 400 KV Chakan ICT-I.
Bhosari - Chakan	28/04/2011	00.18	28/04/2011	05.36	Due to outage on 400 KV Chakan ICT-I.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Supa - Shirur	07/03/2011	15.15		Continued.	To control Lonikand ICT Load
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)
Kolhapur-Sawantwadi	27/04/2011	03.58	27/04/2011	05.16	Distance Protection
Parli-Usmanabad	27/04/2011	10.42	27/04/2011	11.03	Distance Protection.
Parli-Usmanabad	27/04/2011	11.10	27/04/2011	15.26	Distance Protection.
Chinchwad-Parvati	27/04/2011	12.49	27/04/2011	12.55	Distance Protection.
Mumwadi - Halkarni - II	27/04/2011	15.24	27/04/2011	20.28	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/Apr/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	180
Unit 6	210	190
Unit 7	210	190
	620	560
Bhusawal		
Unit 2	210	190
Unit 3	210	190
Unit 4	0	0
	420	380
Parli		
Unit 3	210	172
Unit 4	210	170
Unit 5	210	0
Unit 6	250	240
Unit 7	250	240
	1130	822
Chandrapur		
Unit 1	210	165
Unit 2	210	160
Unit 3	210	190
Unit 4	210	170
Unit 5	500	425
Unit 6	500	380
Unit 7	500	440
	2340	1930
Paras		
Unit 3	250	185
Unit 4	250	230
	500	415
Khaparkheda		
Unit 1	210	180
Unit 2	210	190
Unit 3	210	0
Unit 4	210	210
Unit 5	0	0
	840	580
Nasik		
Unit 1	120	0
Unit 2	120	90
Unit 3	210	190
Unit 4	210	200
Unit 5	210	200
	870	680
Uran		
All Units	852	620
	852	620
Dabhol		
RGPP	1940	1500
	1940	1500
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	0
BHTGR/VEER	21	6
BHIRA T.R.	80	80
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	12
SMLHY PTN	12	9
GHATGHAR	250	0
	611	123
PENCH (MS)		
Pench (MS)	53	0
	53	0
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	505
WARDHA	405	330
Other CPPs	0	
	1005	835
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	3408
	3455	3408