



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

State Load Dispatch Center, Airoli

Daily system Report

for

26/Apr/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 26/Apr/2012 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	105.737	3164.012	1) Gujrat	9.391	181.779
2) Hydro	18.805	281.163	2) Madhya Pradesh	21.606	571.751
3) Gas	10.127	374.734	3) Chattisgarh	10.650	277.140
Total MSGENCO	134.669	3819.909	4) Maharashtra	64.060	1536.062
B) OTHERS			5) Goa	-6.560	-170.707
1) JSW JAIGAD	28.963	628.332	6) TAPS 1&2 Injection	7.657	196.128
2) WPCL	8.477	244.471	7) RGPPL Injection	24.899	730.758
3) Other CPP / IPP	8.701	260.494	8) Pench (Excess)	-0.033	-6.099
4) Wind Generation	8.725	194.060	# Total Cent. Sector	131.670	3316.812
5) PENCH (MS)	0.033	6.099	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.776	-340.885
1) TPCL Thermal	30.566	737.946	G) Bilateral Power *		
2) TPCL Hydro	4.131	85.757	1) MSEDCL Bilateral	41.886	1017.722
TOTAL TPCL	34.697	823.703	Include PX	2.307	19.969
3) REL Thermal	12.566	314.365	2) MUMBAI Bilateral	13.703	364.562
D) STATE			Include PX	3.169	64.469
1) Thermal (A1+C1+C3)	148.869	4216.323	3) MUMBAI Schedule	13.703	370.471
2) Hydro (A2+B5+C2)	22.969	373.019	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.127	374.734	1) MSEDCL	309.462	8129.292
4) Wind (B4)	8.725	194.060	2) TPCL	39.057	967.645
5) CPP (B1+B2+B3)	46.141	1133.297	3) REL	19.981	510.761
TOTAL STATE	236.831	6291.433	TOTAL STATE	368.500	9607.698

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4547	4417	4279
MSGENCO Hydro	1013	340	1093
MSGENCO Gas	410	388	473
MSGENCO Total Generation	5970	5145	5845
Central Sector Receipt	6151	6126	4445
WIND	166	413	549
CPP / IPP	1930	1939	1936
Exchange with Mumbai	-628	-654	-185
MSEDCL DEMAND MET	13589	12969	12590
Load Shedding	959	796	279
MSEDCL DEMAND	14548	13765	12869
TPCL GENERATION	1826	1766	1112
R-INFRA GENERATION	524	523	525
TPCL+R-INFRA DEMAND	2978	2943	1822
STATE DEMAND MET	16567	15912	14412
STATE DEMAND	17526	16708	14691
Frequency (Hz)	49.84	49.97	49.70

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.35 Hz at 18.05 Hrs	49.22 Hz at 05.25 Hrs	49.81	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 26/Apr/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.06	85.84	142	111	130
Unit 6	3.21	81.31	159	86	125
Unit 7	3.30	91.25	150	119	145
Total	9.58	258.40			400
Bhusawal					
Unit 2	4.05	90.91	180	155	180
Unit 3	4.30	91.00	190	160	180
Unit 4	0.00	23.15	0	0	0
Total	8.34	205.06			360
Parli					
Unit 3	0.00	11.69	0	0	0
Unit 4	3.78	98.93	169	145	180
Unit 5	3.72	52.72	175	135	180
Unit 6	4.93	107.28	245	157	160
Unit 7	2.75	98.14	214	0	150
Total	15.18	368.78			670
Chandrapur					
Unit 1	0.13	0.13	50	0	0
Unit 2	3.85	100.39	172	151	170
Unit 3	4.53	116.23	194	173	195
Unit 4	4.18	115.06	200	57	200
Unit 5	0.00	269.92	0	0	0
Unit 6	10.20	267.64	450	410	430
Unit 7	10.26	263.48	452	360	425
Total	33.15	1132.85			1420
Paras					
Unit 3	5.92	128.77	259	207	250
Unit 4	6.04	143.09	259	246	250
Total	11.96	271.87			500
Khaparkheda					
Unit 1	4.10	120.29	185	140	190
Unit 2	4.43	100.83	190	175	190
Unit 3	4.37	101.07	194	166	190
Unit 4	4.71	122.56	213	169	190
Unit 5	0.13	121.64	50	0	0
Total	17.74	566.39			760
Nasik					
Unit 3	5.12	129.60	220	200	200
Unit 4	0.00	112.50	0	0	0
Unit 5	4.66	118.57	203	185	200
Total	9.78	360.67			400
Uran					
All Units	10.13	374.73	475	383	460
Total	10.13	374.73			460
PENCH (MS)					
Pench (MS)	0.03	6.10	23	0	
Total	0.03	6.10			
Koyna					
Stage 1-2	5.00	82.14	480	40	520
Stage 4	8.13	57.93	934	0	250
Stage 3	2.53	31.32	320	0	320
Total	15.65	171.39			1090
Kovna 12&4 Total	13.13	140.07			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.58	12.06	37	18	36
VTRNA	0.70	21.67	61	0	60
TILLARI	0.12	8.31	58	0	60
BHTGR/VEER	0.34	7.43	15	14	9
BHIRA T.R.	0.19	4.09	80	0	80
RNGR+BHTSA	0.29	7.79	13	12	15
BHANDARDRA	0.39	9.16	23	4	0
ELDARY	0.00	3.46	0	0	0
SMLHY PTN	0.54	16.93	29	19	35
GHATGHAR	0.00	18.88	0	0	0
Total	3.15	109.78			295
Wind					
MalharPeth	0.14	6.83			
Vankuswadi	0.28	11.33			
ATIT	0.02	2.51			
Kale	0.10	4.36			
Satara	0.27	15.84			
Shirala	0.10	4.35			
K Mahankal	0.38	9.18			
Supa	0.17	3.57			
Vita	0.59	16.75			
Dondaicha	4.59	82.86			
Sakri	0.60	11.82			
Nandurbar	0.40	8.36			
Khandke	0.60	8.48			
Khaparale	0.48	7.84			
Total	8.72	194.06			
CPP					
JSW JAIGAD	28.96	628.33	1227	1127	1085
WARDHA	8.48	244.47	360	333	310
Other CPPs	8.70	260.49			
Total	46.14	1133.30			1395
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.27	287.53	513	508	500
Trombay 6	7.74	177.67	502	158	500
Trombay 7A	2.90	76.00	125	107	120
Trombay 7B	1.62	42.35	69	63	60
Trombay 8	6.03	154.40	254	249	250
TATA Hydro	4.13	85.76	414	0	447
Total	34.70	823.70			1877
REL					
1&2	12.57	314.36	525	522	500
Total	12.57	314.36			500
Cent Sect					
Share					5321
Total					5321

MS PG CL	Thermal	105.74	3164.01			4510
	Thml+Gas	115.86	3538.75			4970
	Hydro	18.80	281.16			1385
	Total	134.67	3819.91			6355
State Total		236.83	6291.43			15448

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 26/Apr/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	4238	1562	472	6272	386	1907	4854	5208	-608	-495	13278	177	13455	2247	15702	49.57
2	4280	1541	470	6291	438	1914	4745	4596	-494	-388	12851	238	13089	2038	15127	49.61
3	4268	1393	472	6133	548	1934	4621	4614	-437	-265	12964	263	13227	1901	15128	49.67
4	4279	1093	473	5845	549	1936	4576	4445	-393	-185	12590	279	12869	1822	14691	49.70
5	4352	1021	473	5846	377	1935	4574	4624	-391	-148	12634	295	12929	1782	14711	49.62
6	4378	1522	472	6372	402	1924	4557	4640	-383	-193	13145	433	13578	1828	15406	49.64
7	4364	1066	475	5905	504	1926	4581	4625	-403	-192	12768	901	13669	1830	15499	49.82
8	4323	724	466	5513	410	1932	4575	5057	-400	-282	12630	920	13550	1941	15491	49.89
9	4328	614	429	5371	186	1915	4356	5231	-374	-321	12382	960	13342	2249	15591	49.81
10	4327	948	413	5688	122	1932	4471	5925	-488	-460	13207	795	14002	2583	16585	49.79
11	4466	1048	411	5925	168	1921	4989	6082	-609	-610	13486	841	14327	2912	17239	49.84
12	4547	1013	410	5970	166	1930	5078	6151	-751	-628	13589	959	14548	2978	17526	49.84
13	4562	971	388	5921	191	1937	5144	5929	-780	-689	13289	1012	14301	2983	17284	49.89
14	4540	616	390	5546	212	1921	5616	6125	-738	-679	13125	856	13981	2941	16922	49.92
15	4494	611	391	5496	257	1950	5599	6402	-714	-639	13466	708	14174	2976	17150	49.94
16	4440	571	391	5402	390	1954	5485	6529	-681	-591	13684	717	14401	2979	17380	49.85
17	4417	340	388	5145	413	1939	5077	6126	-772	-654	12969	796	13765	2943	16708	49.97
18	4439	184	390	5013	478	1885	5038	4804	-652	-631	11549	749	12298	2833	15131	50.15
19	4427	189	392	5008	575	1852	5066	5128	-571	-618	11945	564	12509	2669	15178	50.01
20	4386	273	392	5051	426	1939	5324	5812	-613	-690	12538	702	13240	2713	15953	49.84
21	4448	164	397	5009	445	1945	5321	5939	-586	-558	12780	662	13442	2623	16065	49.90
22	4505	133	398	5036	379	1915	5323	5764	-603	-556	12538	534	13072	2478	15550	49.93
23	4513	279	391	5183	314	1896	5184	6191	-631	-656	12938	274	13212	2404	15616	49.62
24	4416	929	383	5728	389	1902	5096	5722	-634	-648	13116	203	13319	2386	15705	49.64
MUs	105.74	18.80	10.13	134.67	8.72	46.14	119.25	131.67	-13.70	-11.78	309.46	14.84	324.30	59.04	383.34	49.81

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 26/Apr/2012

Position as on 6.30 Hrs of 27/Apr/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Chandrapur Unit 1	210	11/03/2012	08.48	26/04/2012	20.22	Annual Overhaul	
Cent_Sect NTPC(K-6)	500	09/04/2012	00.09		Continued.	Annual Overhaul	
Cent_Sect NTPC(V-4)	210	25/04/2012	00.07		Continued.	A/OH.	
FORCED OUTAGE							
Tata Trombay 4	150	14/02/2012	00.08		Continued.	Withdrawn/Cold Standby	
Bhusawal Unit 5	500	30/03/2012	04.34		Continued.	Hand Tripped	
Dabhol 1A	230	30/03/2012	23.29		Continued.	Gas Shortage	
Dabhol 1X	290	31/03/2012	19:43		Continued.	Maintenance work.	
Dabhol 1B	230	31/03/2012	19:45		Continued.	Maintenance work.	
Parli Unit 3	210	09/04/2012	00.10		Continued.	PA Fan Tripped	
Cent_Sect Gandhar U3	144	09/04/2012	21.03		Continued.	Less Schedule.	
Bhusawal Unit 4	500	12/04/2012	10.34		Continued.	Class A Protection trip,low furnace pressure.	
Khaparkheda Unit 5	500	21/04/2012	12:53	26/04/2012	20.45	Coal Shortage.	
Dabhol 2B	230	23/04/2012	21.22		Continued.	W/D Due to Gas Shortage.	
Nasik Unit 4	210	25/04/2012	00.25		Continued.	Replacement of R Ph. C T & I D Fan Work.	27/04/2012
Parli Unit 7	250	25/04/2012	17.15	26/04/2012	05.06	Aux.Supply Failure.	
CPP WPCL U-3	135	25/04/2012	20.55		Continued.	ID Fan Vibration High.	
Chandrapur Unit 5	500	25/04/2012	21.31		Continued.	BLR T/L.	27/04/2012
Uran Unit 6	108	25/04/2012	22.16		Continued.	Gas Shortage.	
Khaparkheda Unit 5	500	26/04/2012	23.44		Continued.	Hunting problem.	
Parli Unit 7	250	27/04/2012	05.58		Continued.	CHP bunkering problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 26/Apr/2012

Position as on 6.30 Hrs of 27/Apr/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		
Chandrapur-Bhadravti - I	26/04/2012	09.27	26/04/2012	15.33	Breaker timing,ckt.was on TBC.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - II	25/04/2012	18.11		Continued.	Over Voltage.
Kolhapur - Mapusa - II	25/04/2012	20.17	26/04/2012	09.08	Over Voltage.
Kolhapur - Mapusa - I	26/04/2012	17.58		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Line Reactor on 400 KV Parly Ckt.-III at Chandrapur	22/03/2012	11.00		Continued.	High tan delta value of bushing.
50MVAR Reactor C'Pur - Parli -I at Parli end	16/04/2012	16.50		Continued.	Filtration work
400/220 KV 500 MVA ICT - II @ Jejuri	26/04/2012	01.52	26/04/2012	16.20	Dismantling of R-Ph unit & taking spare ICT unit into service.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 150 MVA ICT @ Bhandara	28/12/2011	13.57		Continued.	Replacement of ICT by 200MVA
Uran-Kharghar-II	15/02/2012	07.42		Continued.	Mumbai system strengthing work
Khargar-Topworth	15/02/2012	07.47		Continued.	Mumbai system strengthing work
Kharghar-TSS	18/02/2012	08.52		Continued.	Temporary Reconfigured as Uran-TSS at 20.30Hrs Dt.18/2/12
Uran - Kharghar - I	19/02/2012	07.50		Continued.	Mumbai System Strengthening Work.
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
Oni - Kharepatan	26/04/2012	09.05	26/04/2012	17.40	Cold line insulator washing work.
220/132KV 150 MVA ICT @ Ambazari.	26/04/2012	09.30	26/04/2012	22.35	Retrofitting of differential relay.
Babaleshwar - Alephata	26/04/2012	09.56	26/04/2012	19.12	Relay testing work.
220/132KV 100MVA ICT-II at Ranjangaon	26/04/2012	11.00	26/04/2012	15.23	Q.M.Work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Deepnagar-Aurangabad-I	11/04/2012	16.03		Continued.	Over Voltage.
Bhusawal- Aurangabad	25/04/2012	17.08	26/04/2012	07.35	Over Voltage.
Bhusawal- Aurangabad	26/04/2012	16.45	27/04/2012	06.30	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Padgha-Temghar I	16/04/2012	10.36		Continued.	To Control Padghe ICT Loading.
Phursungi - Theur	19/04/2012	18.12	26/04/2012	00.15	I/S To control ICT I loading of Jejuri.
Padgha - Temghar - II	24/04/2012	17.56		Continued.	To Control Padgha ICT.
Chandrapur - Warora	25/04/2012	04.17		Continued.	To avoid overloading of lines.
Theur-Jejuri	26/04/2012	00.40	26/04/2012	00.50	To control ICT I loading of Jejuri.
Jejuri (New) - Parvati	26/04/2012	01.48	26/04/2012	02.50	H/T from Parvati end,to control ICT I loading of Jejuri.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Newkoyna - I	25/04/2012	23.14		Continued.	Direct carrier fail indication.
400/220KV,315MVA ICT-I at Karad	25/04/2012	23.18	26/04/2012	11.51	While taking trial on Karad-N.Koyna I.
Voltage Level : 220KV			Outage Type TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 26/Apr/2012

Position as on 6.30 Hrs of 27/Apr/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Tilawani-Miraj	26/04/2012	04.32	26/04/2012	05.08	Dist protection.
Talandge - Sawantwadi	26/04/2012	16.32	26/04/2012	19.09	Dist.Protection.
Pophali - KDPH	26/04/2012	16.35		Continued.	R-Ph CT Burst.
Voltage Level : 132KV			Outage Type TRIPPED		
Nanded - Umri	26/04/2012	04.13	26/04/2012	04.30	Dist.protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 27/Apr/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	120
Unit 6	210	120
Unit 7	210	120
	620	360
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	
	920	360
Parli		
Unit 3	210	0
Unit 4	210	160
Unit 5	210	170
Unit 6	250	230
Unit 7	250	0
	1130	560
Chandrapur		
Unit 1	210	100
Unit 2	210	165
Unit 3	210	195
Unit 4	210	210
Unit 5	500	0
Unit 6	500	425
Unit 7	500	425
	2340	1520
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	180
Unit 4	210	180
Unit 5	500	
	1340	720
Nasik		
Unit 3	210	192
Unit 4	210	0
Unit 5	210	182
	630	374
Uran		
All Units	852	370
	852	370
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	320
	1920	1090
Hydro		
KDPH	40	36
VTRNA	60	60
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	9
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	9
SMLHY PTN	12	15
GHATGHAR	250	0
	611	269
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	1085
WARDHA	405	395
Other CPPs	0	
	1005	1480
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	5202
	3455	5202

	17900	7 of 7	15182
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