



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Apr/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 04/Apr/2012 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	126.444	506.216	1) Gujrat	3.288	12.538
2) Hydro	10.554	38.003	2) Madhya Pradesh	20.738	89.587
3) Gas	15.274	59.208	3) Chattisgarh	9.490	41.220
Total MSGENCO	152.272	603.427	4) Maharashtra	49.192	206.439
B) OTHERS			5) Goa	-7.103	-27.000
1) JSW JAIGAD	27.659	108.232	6) TAPS 1&2 Injection	7.729	30.936
2) WPCL	9.259	36.220	7) RGPPL Injection	29.368	116.712
3) Other CPP / IPP	11.702	44.357	8) Pench (Excess)	-0.313	-1.462
4) Wind Generation	9.396	21.069	# Total Cent. Sector	112.389	468.970
5) PENCH (MS)	0.313	1.462	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.442	-48.559
1) TPCL Thermal	31.032	112.332	G) Bilateral Power *		
2) TPCL Hydro	4.588	14.097	1) MSEDCL Bilateral	38.466	157.542
TOTAL TPCL	35.620	126.429	Include PX	0.000	0.000
3) REL Thermal	12.590	50.318	2) MUMBAI Bilateral	14.969	53.447
D) STATE			Include PX	3.234	7.813
1) Thermal (A1+C1+C3)	170.066	668.866	3) MUMBAI Schedule	14.969	53.447
2) Hydro (A2+B5+C2)	15.455	53.562	H) ENERGY CATERED (MUs)		
3) Gas (A3)	15.274	59.208	1) MSEDCL	311.548	1235.178
4) Wind (B4)	9.396	21.069	2) TPCL	39.530	149.738
5) CPP (B1+B2+B3)	48.620	188.809	3) REL	20.121	75.567
TOTAL STATE	258.811	991.514	TOTAL STATE	371.199	1460.483

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	5089	5284	5424
MSGENCO Hydro	660	396	169
MSGENCO Gas	617	624	642
MSGENCO Total Generation	6366	6304	6235
Central Sector Receipt	5438	4593	4042
WIND	125	361	341
CPP / IPP	2036	2040	1998
Exchange with Mumbai	-655	-623	-169
MSEDCL DEMAND MET	13310	12675	12447
Load Shedding	1636	1810	345
MSEDCL DEMAND	14946	14485	12792
TPCL GENERATION	1819	1809	1099
R-INFRA GENERATION	526	524	525
TPCL+R-INFRA DEMAND	3000	2956	1793
STATE DEMAND MET	16310	15631	14240
STATE DEMAND	17946	17441	14585
Frequency (Hz)	49.87	49.78	49.82

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.43 Hz at 07.03 Hrs	49.22 Hz at 14.23 Hrs	49.8	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 04/Apr/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.25	13.10	146	123	130
Unit 6	0.84	12.30	152	0	0
Unit 7	3.72	14.89	170	120	165
Total	7.82	40.29			295
Bhusawal					
Unit 2	3.96	16.14	175	150	180
Unit 3	4.14	16.99	180	160	190
Unit 4	2.25	5.94	264	0	
Total	10.35	39.07			370
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.15	13.39	155	126	130
Unit 5	2.56	12.01	157	0	130
Unit 6	3.79	16.01	176	130	160
Unit 7	3.69	15.07	178	113	155
Total	13.20	56.49			575
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.96	15.68	169	162	165
Unit 3	4.51	17.91	193	162	190
Unit 4	4.39	18.21	205	158	170
Unit 5	10.78	43.40	470	390	460
Unit 6	10.35	42.38	450	345	450
Unit 7	10.32	40.48	456	395	450
Total	44.30	178.07			1885
Paras					
Unit 3	5.09	20.75	253	160	190
Unit 4	5.17	20.86	245	190	190
Total	10.26	41.62			380
Khaparkheda					
Unit 1	4.85	18.64	215	150	210
Unit 2	4.16	16.63	185	150	180
Unit 3	4.87	10.11	217	137	200
Unit 4	4.78	17.95	211	186	210
Unit 5	7.24	30.41	373	231	
Total	25.89	93.73			800
Nasik					
Unit 3	4.82	18.98	215	185	210
Unit 4	5.00	19.22	212	199	210
Unit 5	4.81	18.76	206	192	200
Total	14.63	56.96			620
Uran					
All Units	15.27	59.21	662	612	620
Total	15.27	59.21			620
PENCH (MS)					
Pench (MS)	0.31	1.46	50	0	
Total	0.31	1.46			
Koyna					
Stage 1-2	3.27	9.46	380	40	600
Stage 4	1.17	5.72	233	0	250
Stage 3	1.26	3.75	160	0	320
Total	5.70	18.94			1170
Kovna 12&4 Total	4.44	15.18			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.39	2.12	38	0	36
VTRNA	0.46	2.47	61	0	60
TILLARI	0.36	1.46	60	0	60
BHTGR/VEER	0.10	0.37	5	4	4
BHIRA T.R.	0.24	0.70	80	0	80
RNGR+BHTSA	0.31	1.26	14	13	11
BHANDARDRA	0.74	2.94	31	30	18
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.67	3.08	28	28	15
GHATGHAR	1.58	4.67	250	0	0
Total	4.86	19.07			284
Wind					
MalharPeth	0.27	0.87			
Vankuswadi	0.56	1.67			
ATIT	0.08	0.72			
Kale	0.22	0.58			
Satara	0.37	1.35			
Shirala	0.20	0.54			
K Mahankal	1.00	1.82			
Supa	0.15	0.61			
Vita	1.08	2.24			
Dondaicha	3.80	6.92			
Sakri	0.56	1.26			
Nandurbar	0.39	0.93			
Khandke	0.32	0.90			
Khaparale	0.41	0.66			
Total	9.40	21.07			
CPP					
JSW JAIGAD	27.66	108.23	1168	1072	1045
WARDHA	9.26	36.22	428	360	427
Other CPPs	11.70	44.36			
Total	48.62	188.81			1472
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.92	40.22	504	445	500
Trombay 6	8.48	30.15	492	156	500
Trombay 7A	2.98	11.88	127	121	120
Trombay 7B	1.65	6.59	69	68	60
Trombay 8	6.02	23.48	253	248	250
TATA Hydro	4.59	14.10	421	0	447
Total	35.62	126.43			1877
REL					
1&2	12.59	50.32	527	521	500
Total	12.59	50.32			500
Cent Sect					
Share					4852
Total					4852

MS PG CL	Thermal	126.44	506.22		4925
	Thml+Gas	141.72	565.42		5545
	Hydro	10.55	38.00		1454
	Total	152.27	603.43		6999
State Total		258.81	991.51		15700

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/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	5418	827	642	6887	318	2011	4701	4579	-638	-584	13211	166	13377	2237	15614	49.75
2	5280	535	642	6457	349	2013	4568	4467	-489	-398	12888	305	13193	2022	15215	49.65
3	5467	260	642	6369	337	2012	4530	4342	-446	-265	12795	338	13133	1894	15027	49.69
4	5424	169	642	6235	341	1998	4534	4042	-446	-169	12447	345	12792	1793	14585	49.82
5	5566	164	642	6372	339	2019	4532	4224	-446	-148	12806	322	13128	1771	14899	49.76
6	5354	374	642	6370	385	1933	4500	4559	-446	-267	12980	533	13513	1838	15351	49.62
7	5311	224	662	6197	472	1931	4498	4412	-452	-309	12703	1406	14109	1931	16040	49.90
8	5356	159	653	6168	407	1977	4513	4278	-463	-331	12499	1546	14045	2026	16071	50.15
9	5191	165	650	6006	402	2023	4518	4557	-474	-371	12617	1485	14102	2296	16398	49.89
10	5167	271	646	6084	303	2023	4647	4964	-577	-460	12914	1740	14654	2665	17319	49.97
11	5089	431	634	6154	186	2030	4754	4989	-704	-547	12812	1737	14549	2918	17467	49.89
12	5089	660	617	6366	125	2036	4993	5438	-800	-655	13310	1636	14946	3000	17946	49.87
13	5093	616	625	6334	133	2042	4980	5263	-804	-672	13100	1733	14833	2995	17828	49.83
14	5128	593	625	6346	199	2033	4945	5336	-758	-612	13320	1461	14781	2898	17679	49.82
15	5070	987	618	6675	255	2033	4939	5067	-769	-670	13386	1349	14735	2952	17687	49.77
16	5164	956	612	6732	352	2032	4925	4859	-790	-642	13333	1618	14951	2969	17920	49.67
17	5284	396	624	6304	361	2040	4737	4593	-766	-623	12675	1810	14485	2956	17441	49.78
18	5264	159	628	6051	578	2034	4647	4042	-651	-503	12202	1080	13282	2850	16132	49.87
19	5305	263	631	6199	711	2070	4650	4197	-592	-454	12747	393	13140	2747	15887	49.81
20	5360	372	640	6372	768	2073	4884	4677	-678	-591	13344	643	13987	2801	16788	49.71
21	5362	371	639	6372	667	2086	4936	4730	-681	-505	13400	519	13919	2700	16619	49.92
22	5338	296	636	6270	537	2075	4933	4971	-687	-531	13372	358	13730	2582	16312	49.69
23	5170	574	635	6379	475	2047	4856	4884	-709	-575	13260	326	13586	2473	16059	49.69
24	5194	732	647	6573	396	2049	4939	4917	-702	-560	13425	253	13678	2338	16016	49.66
MUs	126.44	10.55	15.27	152.27	9.40	48.62	113.66	112.39	-14.97	-11.44	311.55	23.10	334.65	59.65	394.30	49.80

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 04/Apr/2012

Position as on 6.30 Hrs of 05/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		Continued.	Annual Overhaul	07/04/2012
Cent_Sect NTPC(V-2)	210	01/04/2012	00:01		Continued.	AOH.	30/04/2012
FORCED OUTAGE							
Tata Trombay 4	150	14/02/2012	00.08		Continued.	Withdrawn/Cold Standby	
Cent_Sect TARAPUR-3	540	15/03/2012	22.13		Continued.	Primary coolant pump fail.	
Parli Unit 3	210	23/03/2012	23.57	05/04/2012	15.55	Coal shortage.	
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.	
Koradi Unit 6	210	04/04/2012	05.50	04/04/2012	23.32	Air Heater 'B' Decoupled	
Bhusawal Unit 4	500	04/04/2012	08.08	04/04/2012	15.05	Class A protection operated.	
Parli Unit 5	210	04/04/2012	21.38		Continued.	Coal shortage.	
Khaparkheda Unit 5	500	05/04/2012	10.15		Continued.	Low furnace pressure.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 04/Apr/2012

Position as on 6.30 Hrs of 05/Apr/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule - S'Sarovar- II	01/04/2012	14:37	05/04/2012	14.05	Over Voltage.
Parli (PGCIL)-Bhadravati-II	04/04/2012	19.07	05/04/2012	09.42	Over Voltage.
Parly(PG) - Wardha (PG) - I	04/04/2012	19.11	05/04/2012	09.17	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dhule-Sar'Sarovar - I	05/04/2012	13.15		Continued.	Distance protection.
Wardha - Seoni - I	05/04/2012	17.58		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Mudshingi-Chikodi	02/04/2012	17.35	04/04/2012	15.35	Bus Bar Prot.Operated
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV,500MVA ICT-II at Deepnagar.	10/01/2012	10.30		Continued.	Connection of L V Side Jumpers of ICT -I & II Span Stringing & Testing Work.
Kalwa - Padgha - I	28/03/2012	11.22		Continued.	Taken on TBC(up to 13.04.2012)
50MVAR Line Reactor of Koradi - BSL at Koradi	31/03/2012	13.55		Continued.	Oil Filtration work
Padgha - Nagothane- II	03/04/2012	20.05	04/04/2012	08.34	Repl.of Damaged C-Bus(R Ph) IPS to Isolator Connecting Clamp.(Taken on TBC).
400/220 KV Spare ICT @ Kharghar	04/04/2012	09.16	04/04/2012	18.07	Measurement of capacitance and tan delta test of bushing.
Padgha - Nagothane- II	05/04/2012	10.53	05/04/2012	19.40	Replacement of isolator clamp.
400/220KV,315MVA ICT-I at Karad	05/04/2012	16.30	05/04/2012	18.46	Opening of T-jumper connection.
400/220 KV 315 MVA ICT-II @ Lonikand	05/04/2012	17.30	05/04/2012	17.45	Taken on TBC,SF-6 gas pressure low.
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
Kharghar-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.
Kalwa - Borivali	11/03/2012	12.00		Continued.	Tower Erection and Stringing work
Bhusawal-Chalisgaon-I	26/03/2012	09.21	04/04/2012	20.30	Repl.of main Bkr.(Ckt on TBC).
Borivali - Tata - V	03/04/2012	23.41	04/04/2012	01.12	Attending Hot Spot @ Metering C T.
Bhosari - Chakan	04/04/2012	00.00	04/04/2012	03.27	Replacement of Bus Isolator of Chakan Line.
Bhosari-Telco	04/04/2012	00.08	04/04/2012	03.29	Replacement of Bus Isolator.
Kalwa-Trombay	04/04/2012	04.01	04/04/2012	05.13	For Passing of Heighted Consignment of Godrej & Boy Mfg. Co.Ltd.
Trombay-Mulund	04/04/2012	04.02	04/04/2012	05.15	For Passing of Heighted Consignment of Godrej & Boy Mfg. Co.Ltd.
Pawas-Kharepatan	04/04/2012	09.43		Continued.	Cold washing of insulator.
220/132 KV,100 MVA ICT At Hinganghat	04/04/2012	11.10		Continued.	Attending oil leakage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Apr/2012

Position as on 6.30 Hrs of 05/Apr/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Khaparkheda - Kanhan - II	04/04/2012	13.05	04/04/2012	16.58	Q.M.Work
220/100 KV ICT- III @ Borivali	04/04/2012	13.22	04/04/2012	14.32	Oil leakage from HV side Y-Ph bushing.
220/132KV 100MVA ICT II at Paranda	04/04/2012	14.10	04/04/2012	22.30	To check REF prot'n.
Lonikand-Theur - I	05/04/2012	08.12	05/04/2012	15.26	Line maintenance work.
Babaleshwar - Alephata	05/04/2012	09.06	05/04/2012	20.58	Attending hot spot.
Main Bus at Kandalgaon	05/04/2012	10.09	05/04/2012	18.35	Replacement of 100KV Isolator.
Bhosari - Chakan	05/04/2012	10.12	05/04/2012	15.02	Q.M.Work
Uran-ONGC	05/04/2012	15.44	05/04/2012	15.56	B-Ph bus isolator sparking work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Ambazari - Amravati	04/04/2012	05.54	04/04/2012	18.54	Stringing of 400 KV Koradi-Wardha ckt.
Ambazari-Arvi	04/04/2012	06.00	04/04/2012	18.21	Stringing of 400 KV Koradi-Wardha ckt.
Asgaon-Bramhapuri	04/04/2012	09.00	04/04/2012	19.15	Q.M.Work
Pusad-Jambazar	04/04/2012	09.31	04/04/2012	13.05	Stringing work.
Mankapur - Uppalwadi	04/04/2012	11.15	04/04/2012	13.05	Q.M.Work
Kawlewada-Kachewani	04/04/2012	11.47	04/04/2012	17.26	Q.M.Work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Aurangabad-Deepnagar-II	16/02/2012	16.56		Continued.	Over Voltage.
Tie CB of A'Bad - II at Akola	02/04/2012	16.34		Continued.	Testing work due to imbalance currents in Bus Bar Relay
Bhusawal- Aurangabad	03/04/2012	17.14	04/04/2012	08.50	Over Voltage.
Karad - Kolhapur - I	03/04/2012	17.44	04/04/2012	08.57	Over Voltage.
Karad - Kolhapur - II	04/04/2012	16.43	05/04/2012	08.45	Over Voltage.
Bhusawal- Aurangabad	04/04/2012	17.08	05/04/2012	06.14	Over Voltage.
Koradi - Bhusawal	05/04/2012	16.02	05/04/2012	16.16	To take line reactor I/S.
Bhusawal- Aurangabad	05/04/2012	16.07		Continued.	Over Voltage.
Karad - Kolhapur - II	05/04/2012	17.58		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Lonikand - Parli - II	04/04/2012	17.58	05/04/2012	07.21	Over Voltage.
400 KV Bus I at Khaparkheda	05/04/2012	12.41	05/04/2012	14.24	LBB Protection operated.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 100MVA T/F II at Ogalewadi	03/04/2012	18.02	04/04/2012	17.30	Differential Protection
220/132KV,200MVA T/F At Ogalewadi	03/04/2012	18.02	04/04/2012	02.40	Differential Protection
Vita - Lamboti	04/04/2012	11.51	04/04/2012	12.35	Distance protection.
220/132KV,200MVA T/F At Ogalewadi	04/04/2012	14.09	04/04/2012	15.05	B/U prot'n operated.
Kolhapur-Karad-IV	04/04/2012	16.46	04/04/2012	17.04	Distance protection.
Voltage Level : 110KV			Outage Type TRIPPED		
Ogalewadi - Tembu	03/04/2012	18.02	04/04/2012	04.04	R Phase LA Burst

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/Apr/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	140
Unit 6	210	130
Unit 7	210	170
	620	440
Bhusawal		
Unit 2	210	180
Unit 3	210	170
Unit 4	500	0
	920	350
Parli		
Unit 3	210	0
Unit 4	210	135
Unit 5	210	0
Unit 6	250	160
Unit 7	250	160
	1130	455
Chandrapur		
Unit 1	210	0
Unit 2	210	165
Unit 3	210	190
Unit 4	210	195
Unit 5	500	380
Unit 6	500	370
Unit 7	500	425
	2340	1725
Paras		
Unit 3	250	230
Unit 4	250	220
	500	450
Khaparkheda		
Unit 1	210	210
Unit 2	210	180
Unit 3	210	210
Unit 4	210	210
Unit 5	500	0
	1340	810
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	200
	630	620
Uran		
All Units	852	620
	852	620
PENCH (MS)		
Pench (MS)	53	0
	53	0
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	38
VTRNA	60	61
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	18
ELDARY	23	0
SMLHY PTN	12	16
GHATGHAR	250	0
	611	287
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	1045
WARDHA	405	360
Other CPPs	0	
	1005	1405
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	4897
	3455	4897

	17900	7 of 7	15606
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