



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Apr/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 29/Apr/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	128.737	3512.114	1) Gujrat	2.296	199.210
2) Hydro	4.042	300.941	2) Madhya Pradesh	21.715	639.969
3) Gas	12.526	408.859	3) Chattisgarh	10.510	310.210
Total MSGENCO	145.305	4221.914	4) Maharashtra	65.672	1746.389
B) OTHERS			5) Goa	-6.253	-189.984
1) JSW JAIGAD	27.284	712.481	6) TAPS 1&2 Injection	7.779	219.448
2) WPCL	7.688	268.866	7) RGPPL Injection	26.232	809.892
3) Other CPP / IPP	11.276	288.624	8) Pench (Excess)	-0.029	-6.343
4) Wind Generation	9.184	221.467	# Total Cent. Sector	127.922	3728.791
5) PENCH (MS)	0.029	6.343	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.243	-375.138
1) TPCL Thermal	26.129	820.562	G) Bilateral Power *		
2) TPCL Hydro	0.998	96.890	1) MSEDCL Bilateral	46.106	1156.752
TOTAL TPCL	27.127	917.452	Include PX	0.000	26.576
3) REL Thermal	12.540	352.017	2) MUMBAI Bilateral	12.570	404.112
D) STATE			Include PX	2.271	73.491
1) Thermal (A1+C1+C3)	167.406	4684.693	3) MUMBAI Schedule	12.570	410.021
2) Hydro (A2+B5+C2)	5.069	404.174	H) ENERGY CATERED (MUs)		
3) Gas (A3)	12.526	408.859	1) MSEDCL	319.445	9073.348
4) Wind (B4)	9.184	221.467	2) TPCL	31.717	1076.553
5) CPP (B1+B2+B3)	46.248	1269.971	3) REL	17.192	567.503
TOTAL STATE	240.433	6989.164	TOTAL STATE	368.354	10717.404

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5334	5391	5395
MSGENCO Hydro	255	122	102
MSGENCO Gas	467	473	624
MSGENCO Total Generation	6056	5986	6121
Central Sector Receipt	6150	5531	4439
WIND	157	395	593
CPP / IPP	1997	1920	1908
Exchange with Mumbai	-424	-351	-314
MSEDCL DEMAND MET	13936	13481	12747
Load Shedding	761	367	0
MSEDCL DEMAND	14697	13848	12747
TPCL GENERATION	1192	1188	975
R-INFRA GENERATION	523	521	522
TPCL+R-INFRA DEMAND	2139	2060	1811
STATE DEMAND MET	16075	15541	14558
STATE DEMAND	16836	15908	14558
Frequency (Hz)	50.02	50.13	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.66 Hz at 18:31 Hrs	49.61 Hz at 19:10 Hrs	50	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 29/Apr/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.33	95.54	150	123	150
Unit 6	3.81	91.67	178	130	160
Unit 7	3.60	101.53	175	130	155
Total	10.74	288.75			465
Bhusawal					
Unit 2	4.01	103.02	185	145	180
Unit 3	4.00	103.34	190	150	180
Unit 4	3.07	29.66	155	0	0
Total	11.08	236.03			360
Parli					
Unit 3	4.27	16.67	198	140	152
Unit 4	3.19	109.04	149	112	160
Unit 5	4.26	65.40	185	163	170
Unit 6	4.18	119.09	186	145	180
Unit 7	3.42	102.46	180	92	180
Total	19.33	412.66			842
Chandrapur					
Unit 1	2.60	7.64	157	0	140
Unit 2	3.88	111.80	171	152	165
Unit 3	4.39	129.47	190	170	190
Unit 4	3.69	126.50	173	123	160
Unit 5	11.18	290.18	480	450	475
Unit 6	0.23	271.66	153	0	0
Unit 7	10.58	294.25	453	419	450
Total	36.56	1231.49			1580
Paras					
Unit 3	5.96	146.81	261	214	250
Unit 4	6.00	161.11	266	241	250
Total	11.96	307.92			500
Khaparkheda					
Unit 1	4.28	133.07	190	165	190
Unit 2	4.30	113.88	190	170	190
Unit 3	4.70	114.64	199	191	190
Unit 4	4.67	136.21	197	192	190
Unit 5	6.31	135.62	276	252	250
Total	24.26	633.41			1010
Nasik					
Unit 3	5.20	145.24	220	200	210
Unit 4	4.92	124.09	212	194	210
Unit 5	4.70	132.54	201	180	200
Total	14.81	401.86			620
Uran					
All Units	12.53	408.86	636	453	580
Total	12.53	408.86			580
PENCH (MS)					
Pench (MS)	0.03	6.34	23	0	0
Total	0.03	6.34			0
Koyna					
Stage 1-2	1.06	87.21	60	40	520
Stage 4	0.01	62.59	8	0	250
Stage 3	0.01	32.83	14	0	320
Total	1.08	182.63			1090
Kovna 12&4 Total	1.06	149.80			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.43	13.36	19	18	18
VTRNA	0.79	23.32	61	0	0
TILLARI	0.06	8.55	59	0	60
BHTGR/VEER	0.30	8.37	13	12	13
BHIRA T.R.	0.20	4.70	80	0	40
RNGR+BHTSA	0.28	8.64	12	11	12
BHANDARDRA	0.00	10.19	0	0	0
ELDARY	0.00	3.46	0	0	0
SMLHY PTN	0.50	18.45	27	18	11
GHATGHAR	0.39	19.26	125	0	0
Total	2.96	118.31			154
Wind					
MalharPeth	0.41	7.96			
Vankuswadi	0.63	13.02			
ATIT	0.09	2.76			
Kale	0.28	5.09			
Satara	1.20	19.60			
Shirala	0.28	5.05			
K Mahankal	0.03	9.27			
Supa	0.28	4.40			
Vita	0.92	19.41			
Dondaicha	2.92	92.59			
Sakri	0.45	13.24			
Nandurbar	0.28	9.26			
Khandke	0.94	10.89			
Khaparale	0.47	8.93			
Total	9.18	221.47			
CPP					
JSW JAIGAD	27.28	712.48	1198	1105	1085
WARDHA	7.69	268.87	350	230	350
Other CPPs	11.28	288.62			
Total	46.25	1269.97			1435
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.75	322.84	512	372	500
Trombay 6	3.76	193.10	158	156	500
Trombay 7A	2.94	84.82	126	115	120
Trombay 7B	1.62	47.24	69	65	60
Trombay 8	6.06	172.56	255	249	250
TATA Hydro	1.00	96.89	84	0	447
Total	27.13	917.45			1877
REL					
1&2	12.54	352.02	524	520	500
Total	12.54	352.02			500
Cent Sect					
Share					5415
Total					5415

MS PG CL	Thermal	128.74	3512.11			5377
	Thml+Gas	141.26	3920.97			5957
	Hydro	4.04	300.94			1244
	Total	145.30	4221.91			7201
State Total		240.43	6989.16			16428

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/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	5200	102	612	5914	529	2012	5419	5600	-806	-559	13519	0	13519	2201	15720	49.86
2	5182	102	616	5900	525	2000	5301	5279	-681	-432	13278	0	13278	2065	15343	49.97
3	5289	102	619	6010	569	1922	5134	4871	-578	-378	12994	0	12994	1940	14934	49.87
4	5337	107	619	6063	660	1909	5064	4607	-508	-346	12893	0	12893	1857	14750	50.00
5	5395	102	624	6121	593	1908	5030	4439	-471	-314	12747	0	12747	1811	14558	50.02
6	5408	102	630	6140	511	1905	4996	5022	-442	-293	13285	67	13352	1840	15192	50.02
7	5391	107	636	6134	391	1847	4972	4922	-378	-170	13124	607	13731	1773	15504	50.06
8	5446	102	535	6083	309	1808	4979	5076	-335	-126	13150	632	13782	1751	15533	50.03
9	5389	175	517	6081	292	1878	5044	4956	-335	-175	13032	639	13671	1810	15481	50.03
10	5394	229	514	6137	190	1888	5086	5549	-335	-251	13513	444	13957	1904	15861	50.05
11	5376	173	556	6105	194	1931	5121	6212	-397	-350	14092	478	14570	2060	16630	50.03
12	5334	255	467	6056	157	1997	5173	6150	-497	-424	13936	761	14697	2139	16836	50.02
13	5355	177	467	5999	131	1993	5189	6074	-533	-436	13761	849	14610	2147	16757	49.95
14	5362	170	467	5999	155	1925	5197	6014	-538	-405	13688	676	14364	2106	16470	50.00
15	5437	160	453	6050	245	1928	5190	6033	-528	-385	13871	502	14373	2090	16463	50.04
16	5429	180	470	6079	282	1931	5147	5994	-530	-374	13912	409	14321	2081	16402	49.94
17	5391	122	473	5986	395	1920	5117	5531	-499	-351	13481	367	13848	2060	15908	50.13
18	5432	158	474	6064	510	1916	5089	4363	-470	-343	12510	0	12510	2025	14535	50.26
19	5438	175	463	6076	651	1999	5205	3775	-462	-326	12175	0	12175	2007	14182	50.17
20	5445	248	461	6154	473	1970	5413	5152	-543	-493	13256	0	13256	2201	15457	49.97
21	5407	227	463	6097	355	1929	5465	5524	-602	-540	13365	0	13365	2258	15623	49.92
22	5331	294	462	6087	322	1913	5506	5340	-637	-551	13111	0	13111	2262	15373	50.00
23	5272	244	462	5978	381	1897	5436	5520	-710	-605	13171	0	13171	2266	15437	49.84
24	5297	229	466	5992	364	1922	5360	5919	-754	-616	13581	0	13581	2256	15837	49.90
MUs	128.74	4.04	12.53	145.30	9.18	46.25	124.63	127.92	-12.57	-9.24	319.44	6.43	325.88	48.91	374.79	50.00

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 29/Apr/2012

Position as on 6.30 Hrs of 30/Apr/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
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.	
Cent_Sect Gandhar U3	144	09/04/2012	21.03		Continued.	Less Schedule.	
Cent_Sect Kawas GT1A	106	26/04/2012	18:13		Continued.	Less requisition.	
Cent_Sect Kawas GT1B	106	26/04/2012	18:16		Continued.	Less requisition.	
Chandrapur Unit 6	500	27/04/2012	09.15	29/04/2012	22.01	Boiler tube leakage.	
CPP WPCL U-1	135	28/04/2012	17.44		Continued.	PA Fan Temp.High	
Chandrapur Unit 1	210	28/04/2012	21:38	29/04/2012	04:13	Main Steam leakage.	
CPP WPCL U-3	135	29/04/2012	06:26	29/04/2012	09.48	Flame Loss.	
Uran Unit 5	108	29/04/2012	11.20		Continued.	Gas Shortage	
Bhusawal Unit 4	500	29/04/2012	21.40	30/04/2012	01.24	Drum Level High	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Apr/2012

Position as on 6.30 Hrs of 30/Apr/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Nasik-Navsari-I	29/04/2012	08.28	29/04/2012	14.53	Maint.work
Tarapur - Borivali	29/04/2012	09.54	29/04/2012	14.26	Red Hot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - II	25/04/2012	18.11		Continued.	Over Voltage.
Kolhapur - Mapusa - II	29/04/2012	03:09	29/04/2012	10.52	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Bhadravati - III	29/04/2012	18.04		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.
Aux.Bus @ Kolhapur	27/03/2012	12.51	29/04/2012	19.15	Alignment and servicing of C bus pentograph isolator.
50MVAR Reactor C'Pur - Parli -I at Parli end	16/04/2012	16.50		Continued.	Filtration work
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.
Jejuri - Parvati	28/04/2012	23:50	29/04/2012	02:51	Y-ph CT replacement at Paravati S/S.
Versova-Boiser	29/04/2012	06.49	29/04/2012	19.14	Replacement of Insulator String
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Deepnagar-Aurangabad-I	11/04/2012	16.03		Continued.	Over Voltage.
Bhusawal- Aurangabad	28/04/2012	17.33		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Padgha - Temghar - II	24/04/2012	17.56		Continued.	To Control Padgha ICT.
Voltage Level : 220KV			Outage Type TRIPPED		
Pophali - KDPH	26/04/2012	16.35	29/04/2012	13.45	R-Ph CT Burst.
Pedambe - Tambati	29/04/2012	23.02	29/04/2012	23.27	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Dhule - Dhule	29/04/2012	10.55	29/04/2012	17.27	Backup Protection Operated

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Apr/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	115
Unit 6	210	115
Unit 7	210	165
	620	395
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	
	920	360
Parli		
Unit 3	210	185
Unit 4	210	115
Unit 5	210	140
Unit 6	250	170
Unit 7	250	130
	1130	740
Chandrapur		
Unit 1	210	160
Unit 2	210	165
Unit 3	210	190
Unit 4	210	160
Unit 5	500	475
Unit 6	500	420
Unit 7	500	450
	2340	2020
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	190
Unit 2	210	190
Unit 3	210	190
Unit 4	210	190
Unit 5	500	
	1340	760
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	200
	630	620
Uran		
All Units	852	450
	852	450
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	18
VTRNA	60	60
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	13
BHIRA T.R.	80	80
RNGR+BHTSA	20	12
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	253
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	350
Other CPPs	0	
	1005	1435
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	5508
	3455	5508

	17900	16588
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