



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Mar/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 29/Mar/2013 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	116.584	3346.039	1) Gujrat	14.856	530.093
2) Hydro	10.942	524.818	2) Madhya Pradesh	22.336	604.267
3) Gas	9.360	259.161	3) Chattisgarh	8.430	255.820
Total MSGENCO	136.886	4130.018	4) Maharashtra	71.180	2356.296
B) 1) JSW JAIGAD	20.201	577.613	5) Goa	-5.836	-180.184
2) WPCL	7.397	236.572	6) TAPS 1&2 Injection	0.000	12.630
3) ADANI	14.740	90.887	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	8.824	263.944	8) Pench (Excess)	-0.041	-5.961
5) Wind Generation	7.211	172.749	# Total Cent. Sector	110.925	3572.961
6) PENCH (MS)	0.041	5.961	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-10.256	-320.957
1) TPCL Thermal	25.436	750.343	G) Bilateral Power *		
2) TPCL Hydro	3.112	116.000	1) MSEDCL Bilateral	29.757	1104.803
TOTAL TPCL	28.548	866.343	Include PX	5.335	380.985
3) REL Thermal	12.646	357.738	2) MUMBAI Bilateral	13.769	382.850
D) STATE			Include PX	3.542	66.412
1) Thermal (A1+C1+C3)	154.666	4454.120	3) MUMBAI Schedule	13.769	388.299
2) Hydro (A2+B5+C2)	14.095	646.779	H) ENERGY CATERED (MUs)		
3) Gas (A3)	9.360	259.161	1) MSEDCL	295.969	8729.748
4) Wind (B4)	7.211	172.749	2) TPCL	33.657	1019.317
5) CPP (B1+B2+B3)	51.162	1092.869	3) REL	17.793	525.706
TOTAL STATE	236.494	6625.678	TOTAL STATE	347.419	10274.771

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	5119	4354	5170
MSGENCO Hydro	588	1025	123
MSGENCO Gas	428	268	494
MSGENCO Total Generation	6135	5647	5787
Central Sector Receipt	5397	4589	4034
WIND	95	324	514
CPP / IPP	2187	2185	2010
Exchange with Mumbai	-639	-546	-146
MSEDCL DEMAND MET	13175	12199	12199
Load Shedding	650	472	199
MSEDCL DEMAND	13825	12671	12398
TPCL GENERATION	1406	1355	910
R-INFRA GENERATION	527	528	528
TPCL+R-INFRA DEMAND	2572	2429	1584
STATE DEMAND MET	15747	14628	13783
STATE DEMAND	16397	15100	13982
Frequency (Hz)	50.00	50.05	50.11

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.54 Hz at 07.03 Hrs	49.62 Hz at 19.09 Hrs	50.03	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/Mar/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	4.02	99.09	183	141	181
Unit 7	3.68	117.93	197	125	144
Total	7.70	217.02			325
Bhusawal					
Unit 2	0.09	98.48	91	0	0
Unit 3	3.72	106.24	180	130	160
Unit 4	6.10	210.10	505	0	484
Unit 5	3.18	87.92	465	0	
Total	13.10	502.74			644
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	0.00	0	0	0
Unit 7	0.00	0.00	0	0	0
Total	0.00	0.00			0
Chandrapur					
Unit 1	3.26	95.44	138	132	145
Unit 2	3.77	83.00	164	129	160
Unit 3	4.71	137.32	204	167	200
Unit 4	4.29	131.83	195	145	200
Unit 5	9.36	280.92	405	375	425
Unit 6	10.38	219.46	445	414	450
Unit 7	9.69	281.16	425	360	425
Total	45.47	1229.12			2005
Paras					
Unit 3	5.87	148.43	251	236	250
Unit 4	5.59	159.75	247	209	250
Total	11.46	308.18			500
Khaparkheda					
Unit 1	3.59	109.16	175	130	150
Unit 2	3.45	113.20	170	120	150
Unit 3	3.79	114.76	186	147	160
Unit 4	4.55	135.39	202	173	170
Unit 5	10.51	297.00	520	311	400
Total	25.89	769.52			1030
Nasik					
Unit 3	4.42	91.66	190	180	195
Unit 4	4.06	121.46	175	156	185
Unit 5	4.48	106.34	196	178	195
Total	12.97	319.46			575
Uran					
All Units	9.36	259.16	540	116	470
Total	9.36	259.16			470
PENCH (MS)					
Pench (MS)	0.04	5.96	27	0	
Total	0.04	5.96			
Koyna					
Stage 1-2	3.32	133.76	450	40	520
Stage 4	1.41	196.17	270	0	250
Stage 3	0.98	71.33	158	0	240
Kovna 12&4 Total	4.72	329.92			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	5.71	401.26			1010
Hydro					
KDPH	0.46	17.83	20	19	18
VTRNA	0.87	21.11	61	0	61
TILLARI	0.35	4.12	61	0	60
BHTGR/VEER	0.04	0.70	2	1	2
BHIRA T.R.	0.08	6.44	43	0	80
RNGR+BHTSA	0.32	9.80	14	13	14
BHANDARDRA	0.00	6.43	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.06	27.94	45	44	0
GHATGHAR	2.04	27.75	250	0	
Total	5.24	122.11			235
Wind					
MalharPeth	0.25	9.20			
Vankuswadi	0.36	13.74			
ATIT	0.05	3.47			
Kale	0.15	4.72			
Satara	0.13	20.45			
Shirala	0.14	6.14			
K Mahankal	0.94	11.66			
Supa	0.20	3.57			
Vita	0.55	19.84			
Dondaicha	2.92	50.05			
Sakri	0.42	6.95			
Nandurbar	0.30	5.05			
Khandke	0.43	10.24			
Khaparale	0.37	7.66			
Total	7.21	172.75			
CPP					
JSW JAIGAD	20.20	577.61	897	729	810
WARDHA	7.40	236.57	319	288	353
Adani	14.74	90.89	630	580	
Other CPPs	8.82	263.94			
Total	51.16	1169.02			1163
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.25	334.50	502	303	500
Trombay 6	3.59	124.22	150	149	500
Trombay 7A	2.97	83.44	127	114	120
Trombay 7B	1.61	46.36	68	64	60
Trombay 8	6.02	161.82	252	249	250
TATA Hydro	3.11	116.00	341	0	447
Total	28.55	866.34			1877
REL					
1&2	12.65	357.74	528	525	500
Total	12.65	357.74			500
Cent Sect					
Share					4845
Total					4845

MS PG CL	Thermal	116.58	3346.04			5079
	Thml+Gas	125.94	3605.20			5549
	Hydro	10.94	524.82			1245
	Total	136.89	4130.02			6794
State Total		236.49	6625.68			15179

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/Mar/2013

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	128	490	6036	387	2115	4492	4131	-481	-295	12374	131	12505	1900	14405	50.02
2	5236	123	494	5853	478	1992	4421	4249	-409	-137	12435	165	12600	1732	14332	50.04
3	5198	123	495	5816	515	1998	4422	3981	-409	-124	12186	185	12371	1642	14013	50.11
4	5170	123	494	5787	514	2010	4418	4034	-409	-146	12199	199	12398	1584	13982	50.11
5	5113	128	496	5737	640	2000	4419	4079	-407	-154	12302	163	12465	1578	14043	50.13
6	4856	123	496	5475	570	2016	4401	4435	-392	-119	12377	280	12657	1642	14299	50.07
7	4942	160	518	5620	440	1984	4271	4206	-395	-136	12114	824	12938	1695	14633	50.10
8	5022	211	540	5773	232	2155	4587	4444	-409	-169	12435	746	13181	1782	14963	50.12
9	5016	179	535	5730	193	2130	4714	4830	-409	-351	12532	725	13257	2010	15267	50.01
10	5069	474	489	6032	118	2196	4999	5309	-467	-427	13228	581	13809	2297	16106	49.99
11	5124	562	509	6195	70	2176	5329	5443	-663	-626	13258	529	13787	2528	16315	50.02
12	5119	588	428	6135	95	2187	5424	5397	-697	-639	13175	650	13825	2572	16397	50.00
13	4952	791	116	5859	125	2186	5167	5051	-695	-612	12609	787	13396	2570	15966	50.03
14	4807	635	271	5713	154	2187	5016	4947	-658	-618	12383	726	13109	2486	15595	50.05
15	4693	675	341	5709	288	2178	5056	5045	-661	-623	12597	570	13167	2485	15652	49.98
16	4394	951	269	5614	271	2177	5013	5094	-692	-550	12606	497	13103	2464	15567	49.94
17	4354	1025	268	5647	324	2185	4750	4589	-697	-546	12199	472	12671	2429	15100	50.05
18	4394	393	258	5045	305	2177	4479	4349	-729	-696	11180	672	11852	2386	14238	50.08
19	4518	241	312	5071	306	2183	4505	4078	-744	-631	11020	565	11585	2348	13933	50.06
20	4679	393	300	5372	272	2178	4730	4849	-850	-682	12016	604	12620	2455	15075	49.90
21	4558	734	287	5579	221	2184	4526	4768	-745	-622	12131	395	12526	2432	14958	49.91
22	4633	698	302	5633	226	2186	4380	4522	-603	-511	12056	242	12298	2295	14593	50.00
23	4662	711	336	5709	202	2190	4328	4642	-585	-472	12271	167	12438	2148	14586	49.96
24	4657	773	316	5746	265	2192	4196	4453	-562	-370	12286	135	12421	1990	14411	50.01
MUs	116.58	10.94	9.36	136.89	7.21	51.16	112.04	110.92	-13.77	-10.26	295.97	11.01	306.98	51.45	358.43	50.03

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/Mar/2013

Position as on 6.30 Hrs of 30/Mar/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Koradi Unit 5	200	16/09/2012	04.23		Continued.	C.O.H.,Generator Stator Replacement.	12/04/2013
Parli Unit 4	210	28/11/2012	02.37		Continued.	water shortage.	
Koyna Unit 12	80	29/11/2012	08.30		Continued.	A/OH.	
Cent_Sect Tarapur 2	80	31/12/2012	17.05		Continued.	Refuelling work	
Parli Unit 6	250	25/01/2013	19.49		Continued.	Water Shortage/AOH from 06.03.2013	
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Parli Unit 5	210	14/02/2013	22.45		Continued.	Water Shortage	
Parli Unit 7	250	17/02/2013	01.00		Continued.	Water Shortage.	
FORCED OUTAGE							
Dabhol 1B	230	09/10/2012	13.56		Continued.	Gas Shortage.	
Dabhol 1X	290	02/11/2012	16.26		Continued.	Gas shortage.	
Dabhol 1A	230	02/11/2012	16.27		Continued.	Gas shortage.	
Dabhol 3A	230	03/12/2012	21.23		Continued.	Gas Shortage	
Dabhol 2B	230	03/01/2013	13.29		Continued.	Gas shortage.	
CPP Adani U1	660	31/01/2013	17:05		Continued.	400kV Tirora-Warora isolator sparking	
CPP WPCL U-4	135	04/02/2013	19.16		Continued.	ID fan vibration problem.	
Dabhol 2A	230	06/02/2013	21.32		Continued.	Gas Shortage	
Dabhol 2X	290	06/02/2013	21.32		Continued.	Gas Shortage	
Dabhol 3X	290	21/02/2013	23.04		Continued.	Gas shortage.	
Dabhol 3B	230	21/02/2013	23.08		Continued.	Gas shortage.	
CPP JSW (J) U1	300	27/02/2013	21:15		Continued.	Bearing Vibration Problem.	
Cent_Sect Tarapur 1	80	04/03/2013	05.30		Continued.	Pressure Pump Seal Leakage.	
Koyna Unit 2	75	27/03/2013	20.05	29/03/2013	20.45	Replacement of TGB Cooler.	
Bhusawal Unit 2	210	29/03/2013	00.45		Continued.	I D Fan Problem.	
Uran Unit 5	108	29/03/2013	11.44	29/03/2013	13.44	Gas Skide Problem.	
Uran Unit 8	108	29/03/2013	11.44	29/03/2013	12.34	Gas Skide Problem.	
Uran Unit B0	120	29/03/2013	11.44	29/03/2013	14.23	Gas Skide Problem.	
Uran Unit A0	120	29/03/2013	11.44	30/03/2013	00.12	Gas Skide Problem.	
Uran Unit 7	108	29/03/2013	11.44	29/03/2013	12.14	Gas Skide Problem.	
Uran Unit 6	108	29/03/2013	11.44	29/03/2013	12.32	Gas Skide Problem.	
Bhusawal Unit 5	500	29/03/2013	12.23	29/03/2013	18.50	Coal Mill Duct Problem.	
Bhusawal Unit 5	500	29/03/2013	20.10	30/03/2013	04.43	Class A Protection Operated.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 29/Mar/2013

Position as on 6.30 Hrs of 30/Mar/2013

Name of Generating Unit	Capacity	Tripped Date	Trippe d Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
CPP WPCL U-1	135	30/03/2013	00.10		Continued.	Bottam Ash Problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Mar/2013

Position as on 6.30 Hrs of 30/Mar/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Akola - Aurangabad - I	29/03/2013	09.25	29/03/2013	15.47	Q.M.Work (Ckt Will be in Service Through Tie Bay).
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni-Wardha-II 765KV.	17/03/2013	17.46		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	26/03/2013	21.57		Continued.	Over Voltage.
Kolhapur - Mapusa - I	28/03/2013	17.08	29/03/2013	09.06	Over Voltage.
Dhule-Sar'Sarovar - II	29/03/2013	02.16	29/03/2013	10.31	Over Voltage.
Kolhapur - Mapusa - I	29/03/2013	16.06		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Warora - Tiroda - II	18/03/2013	16.15		Continued.	Over Voltage,while charging Warora-Tiroda I first time charge.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Koradi-Khaparkheda-I	14/03/2013	10.05		Continued.	Erection of 3 No's of 400KV CT,CT Testing & CB Trials,Tie Bkr @ K'kheda Out,Line in Service.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 200 MVA ICT-I @ Padgha	06/03/2013	11.41		Continued.	Isolator replacement work(Up to 30/3/13)
220/100KV 200MVA ICT-IV at Kalwa	20/03/2013	08.24		Continued.	Repl.of LV Bkr,up to 31.03.2013
Padgha-Vasai	25/03/2013	15.12		Continued.	On TBC at Padgha for Bkr repl. work.
Kandalgaon - Pirangut	28/03/2013	15.35	29/03/2013	02.25	Replacement of CT's Under Jica II Scheme.
Versova-Ghodbandar	29/03/2013	07.37	29/03/2013	12.35	33 KV Line Stringing Work.
220/132 KV 200 MVA ICT - I @ Nanded	29/03/2013	08.00	29/03/2013	13.01	Attending of Oil Leakage & Topup of Oil.
Kalwa-Colourchem	29/03/2013	08.03	29/03/2013	11.56	Testing Work.
Kandalgaon-Bhira	29/03/2013	08.45	29/03/2013	20.45	Commissioning of 3 No's of ICT Under JIACA - II.
Kharghar-TSS	29/03/2013	09.08	29/03/2013	18.27	Maint. Work.
Vankuswade-Malharpath	29/03/2013	11.21	29/03/2013	17.20	Testing of Distance Protection.
Boiser-Versova	29/03/2013	14.07		Continued.	Breaker Replacement Upto 31.03.2013 Under JICA - II.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Whirlpool - Ismit	08/03/2013	08.45		Continued.	Erection of Tower & D/C String of New Conductor Outage Upto 30/3/2013.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
400/220 KV 105 MVA Spare ICT Unit @ Bhusawal - II	02/02/2013	10.17		Continued.	Low Oil Pressure Alarm Received.
400/220KV 500MVA ICT-II at Warora	07/02/2013	17.57		Continued.	Handtripped
Khadka - Deepnagar - II	07/03/2013	06.17		Continued.	Over Voltage.
Aurangabad-Deepnagar-II	21/03/2013	11.15		Continued.	Hand Tripped
Bhusawal- Aurangabad	28/03/2013	17.40		Continued.	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Mar/2013

Position as on 6.30 Hrs of 30/Mar/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - I	28/03/2013	18.13	29/03/2013	08.02	Over Voltage.
New Koyna - Karad - I	29/03/2013	03.17	29/03/2013	10.21	Over Voltage.
Karad - Kolhapur - II	29/03/2013	16.37		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	04/02/2013	23.36		Continued.	Due to over loading.
Borivali(M)-Borivali(Rel) 1	12/03/2013	04.09		Continued.	Hand Tripped
Borivali(M)-Borivali(Rel)2	12/03/2013	04.19		Continued.	Hand Tripped
Lonand - Bothe (Surwadi)	25/03/2013	19.22		Continued.	H/T
Alephata-Kathapur	29/03/2013	10.00	29/03/2013	11.20	To Control Bblsr-Alephata Loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated Declared Faulty by Genco.
Karad - Lonikand	29/03/2013	17.32		Continued.	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Parbhani-Parthur	29/03/2013	08.38	29/03/2013	08.45	Distance Protection Operated Z-I.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Mar/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	180
Unit 7	210	200
	620	380
Bhusawal		
Unit 2	210	0
Unit 3	210	145
Unit 4	500	0
Unit 5	500	
	1420	145
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	0
	1130	0
Chandrapur		
Unit 1	210	145
Unit 2	210	160
Unit 3	210	200
Unit 4	210	175
Unit 5	500	400
Unit 6	500	450
Unit 7	500	450
	2340	1980
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	190
Unit 2	210	190
Unit 3	210	200
Unit 4	210	200
Unit 5	500	500
	1340	1280
Nasik		
Unit 3	210	195
Unit 4	210	185
Unit 5	210	195
	630	575
Uran		
All Units	852	370
	852	370
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	20
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	2
BHIRA T.R.	80	43
RNGR+BHTSA	20	14
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	199
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	1200	785
WARDHA	405	236
Adani	660	
Other CPPs	0	
	2265	1021
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	4603
	3455	4603

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