



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Mar/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Mar/2010 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	132.908	3810.689	1) Madhya Pradesh	58.112	1540.953
2) Hydro	8.292	453.163	2) Gujrat	27.320	860.638
3) Gas	15.487	398.205	3) Goa	-6.986	-190.995
Total MSGENCO	156.687	4662.057	4) TAPS 1&2 (Inj.)	7.209	217.232
B) OTHERS			5) Pench (Excess)	-0.154	-6.926
1) RGPPL Gas	36.173	970.414	# Total Cent. Sector	85.501	2420.902
2) Wind Generation	12.454	140.017	F) Other Exchanges		
3) CPP	3.898	49.794	1) With TPCL (Excess)	-5.745	-108.062
4) PENCH (MS)	0.154	7.154	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	5.654	176.950
1) TPCL Thermal	30.539	895.930	Include PX	0.000	0.000
2) TPCL Hydro	4.589	125.946	2) MUMBAI Bilateral	6.993	132.591
TOTAL TPCL	35.128	1021.876	Include PX	3.214	57.824
3) REL Thermal	12.623	378.856	3) MUMBAI Schedule	6.993	132.591
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	176.070	5085.475	1) MSEDCL	289.122	8142.276
2) Hydro (A2+B3+C2)	13.035	586.263	2) TPCL	34.672	973.262
3) Gas (A3+B1)	51.660	1368.619	3) REL	18.824	535.510
4) Wind (B2)	12.454	140.017	TOTAL STATE	342.618	9651.048
5) CPP (B3)	3.898	49.794			
TOTAL STATE	257.117	7230.168			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5649	5527	5327
MSGENCO Hydro	302	1014	175
MSGENCO Gas	642	650	641
MSGENCO Total Generation	6593	7191	6143
Central Sector Receipt	3715	3648	3320
RGPPL	1507	1512	1493
WIND	565	422	633
CPP	196	204	95
Exchange with TPCL	-419	-309	16
MSEDCL DEMAND MET	12157	12668	11700
Load Shedding	3336	3586	1355
MSEDCL DEMAND (INCL. LS)	15493	16254	13055
TPCL GENERATION	1785	1775	1126
REL GENERATION	526	522	528
TPCL+REL DEMAND	2730	2606	1638
STATE DEMAND MET	14887	15274	13338
STATE DEMAND (INCL. LS)	18223	18860	14693
Frequency (Hz)	49.82	49.66	49.76
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3463 MW At 15.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			63.09 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.51 Hz at 08.05 Hrs	49.15 Hz at 20.17 Hrs	49.88	0 % of Time

* 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 30/Mar/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.90	48.86	84	68	85
Unit 2	1.66	47.67	76	62	65
Unit 3	0.00	4.94	0	0	0
Unit 4	1.79	52.82	87	54	75
Unit 5	3.56	107.78	157	139	155
Unit 6	4.23	111.09	192	155	160
Unit 7	3.52	100.16	205	0	65
	16.66	473.31			605
Bhusawal					
Unit 1	1.12	32.82	50	18	50
Unit 2	4.48	133.72	194	167	195
Unit 3	4.56	127.52	196	184	195
	10.16	294.06			440
Parli					
Unit 1	0.52	16.40	24	21	22
Unit 2	0.56	14.41	24	22	22
Unit 3	0.00	37.16	0	0	0
Unit 4	3.97	124.98	182	151	200
Unit 5	4.20	110.06	183	163	180
Unit 6	6.08	178.75	255	250	250
Unit 7	5.82	99.97	259	201	
	21.15	581.74			674
Chandrapur					
Unit 1	3.40	89.77	146	130	150
Unit 2	3.48	100.03	148	140	150
Unit 3	3.27	112.26	163	103	150
Unit 4	4.46	131.29	189	178	200
Unit 5	9.04	250.32	409	310	350
Unit 6	8.21	268.38	400	300	375
Unit 7	9.33	300.81	411	348	425
	41.18	1252.86			1800
Paras					
Unit 2	0.52	19.45	23	20	20
Unit 3	5.92	112.52	256	235	221
Unit 4	2.61	35.95	132	83	
	9.06	167.92			241
Khaparkheda					
Unit 1	4.64	121.22	209	167	190
Unit 2	4.36	120.00	193	155	160
Unit 3	5.06	140.70	215	190	210
Unit 4	2.18	128.96	210	0	160
	16.24	510.88			720
Nasik					
Unit 1	2.28	60.47	99	90	100
Unit 2	2.22	58.91	99	90	90
Unit 3	4.86	138.24	209	192	190
Unit 4	4.48	129.10	198	166	180
Unit 5	4.63	143.20	207	175	190
	18.46	529.92			750
Koyna					
Stage 1-2	1.92	74.62	315	35	600
Stage 4	0.29	189.02	207	0	250
Stage 3	0.93	56.88	240	0	320
	3.14	320.53			1170
Kovna 12&4 Total	2.21	263.65			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.49	398.20	693	621	640
		15.49	398.20			640
Hydro						
KDPH		0.91	16.73	39	38	36
VTRNA		1.13	20.65	61	0	60
TILLARI		0.36	5.03	61	0	60
BHTGR/VEER		0.45	47.29	19	18	10
BHIRA T.R.		0.20	6.39	80	0	80
RNGR+BHTSA		0.29	9.16	13	12	12
BHANDARDRA		0.74	4.98	32	31	20
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.76	8.00	32	31	13
GHATGHAR		0.32	14.41	120	0	0
		5.16	132.64			291
PENCH (MS)						
Pench (MS)		0.15	7.15	51	0	
		0.15	7.15			
Wind						
MalharPeth		0.34	5.68			
Vankuswadi		0.69	11.52			
ATIT		0.15	4.10			
Kale		0.29	4.77			
Satara		0.73	5.60			
Shirala		0.27	4.60			
K Mahankal		0.00	2.42			
Supa		0.18	3.86			
Vita		0.72	17.16			
Dondaicha		5.96	48.45			
Sakri		0.91	7.38			
Nandurbar		0.75	7.51			
Khadakale		0.68	9.76			
Khaparale		0.79	7.21			
		12.45	140.02			
CPP						
TOTAL CPP		3.90	49.79			
		3.90	49.79			
Dabhol						
RGPPL		36.17	970.41	1516	1489	1500
		36.17	970.41			1500
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		9.96	297.41	415	415	400
Trombay 6		10.03	285.51	510	200	500
Trombay 7A		2.94	87.06	124	120	120
Trombay 7B		1.61	48.80	68	66	60
Trombay 8		6.00	177.15	250	250	250
TATA Hydro		4.59	125.95	471	0	447
		35.13	1021.88			1777
REL						
1&2		12.62	378.86	529	522	500
		12.62	378.86			500
Cent Sect						
Share						3331
						3331
MS PG CL	Thermal	132.91	3810.69			5230
	Thml+Gas	148.40	4208.89			5870
	Hydro	8.29	453.16			1461
	Total	156.69	4662.06			7331
State Total		257.12	7230.17			14439

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/Mar/2010

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	TPCL SCH.	TPCL NET EXCH.	MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS														
1	5414	285	638	6337	1490	391	111	2973	3820	-143	-88	12086	1526	13612	1930	15542	49.77
2	5368	186	636	6190	1489	490	95	2900	3574	-68	-10	11831	1542	13373	1743	15116	49.93
3	5327	175	641	6143	1493	633	95	2877	3320	-44	16	11700	1355	13055	1638	14693	49.76
4	5316	175	647	6138	1497	647	91	2877	3231	-44	14	11618	1663	13281	1601	14882	49.99
5	5430	180	648	6258	1505	660	93	2878	3105	-44	11	11632	1809	13441	1574	15015	50.00
6	5507	200	652	6359	1512	593	110	2903	3385	-68	-15	11944	2042	13986	1629	15615	49.83
7	5582	247	662	6491	1516	676	156	3188	3011	-63	-16	11834	2531	14365	1739	16104	50.14
8	5704	232	693	6629	1508	549	157	3115	3031	8	56	11930	1814	13744	1788	15532	50.18
9	5712	235	654	6601	1501	542	158	3112	3479	8	53	12334	1535	13869	2010	15879	50.09
10	5710	295	639	6644	1502	529	186	3569	3787	-419	-376	12272	2017	14289	2421	16710	50.13
11	5741	379	643	6763	1503	424	194	3617	3659	-471	-429	12114	2487	14601	2625	17226	49.88
12	5649	302	642	6593	1507	565	196	3614	3715	-471	-419	12157	3336	15493	2730	18223	49.82
13	5579	232	649	6460	1506	530	190	3609	3696	-471	-419	11963	3345	15308	2686	17994	49.84
14	5544	238	647	6429	1510	466	197	3608	3527	-471	-419	11710	3265	14975	2565	17540	49.87
15	5499	238	646	6383	1510	433	199	3569	3685	-471	-421	11789	3342	15131	2631	17762	49.81
16	5509	233	640	6382	1512	503	178	3556	3451	-471	-425	11601	2934	14535	2649	17184	49.94
17	5523	238	643	6404	1514	606	168	3603	3609	-519	-465	11836	2867	14703	2665	17368	49.98
18	5513	241	647	6401	1513	563	162	3606	3982	-521	-466	12155	2622	14777	2596	17373	50.03
19	5586	346	649	6581	1514	452	171	3239	3581	-387	-327	11972	3178	15150	2477	17627	49.88
20	5527	1014	650	7191	1512	422	204	3340	3648	-357	-309	12668	3586	16254	2606	18860	49.66
21	5586	991	646	7223	1514	412	209	3393	3760	-405	-351	12792	3315	16107	2534	18641	49.67
22	5554	576	627	6757	1515	409	216	3396	3832	-405	-351	12403	3331	15734	2320	18054	49.81
23	5528	642	627	6797	1514	463	206	3298	3908	-324	-270	12643	2829	15472	2183	17655	49.59
24	5504	412	621	6537	1516	497	156	3285	3714	-371	-319	12152	1881	14033	2156	16189	49.60
MUs	132.9 1	8.29	15.49	156.69	36.17	12.46	3.90	79.12	85.51	-6.99	-5.74	289.14	60.15	349.29	53.50	402.78	49.88

NOTE : ALL VALUES IN MW

TPCL Sch./Net Exch is shown with reference to MSETCL System. (+) indicates TPCL to MSETCL and (-) indicates MSETCL to TPCL. TPCL Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss for export)
Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 30/Mar/2010

Position as on 6.30 Hrs of 31/Mar/2010

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect KARPR1	220	01/07/2008	00:10		Continued.	COH(En-Mass Coolant Clanel Replacement)	31/03/2010
Parli Unit 3	210	11/03/2010	03.45		Continued.	Annual overhaul	05/04/2010
FORCED OUTAGE							
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Dabhol 3A	230	08/11/2008	13.45		Continued.	Exhaust temp.& vibn.high	31/03/2010
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Tata Trombay 4	150	01/12/2009	19:16		Continued.	W/Dn.	
Uran Unit 3	60	05/03/2010	09.49		Continued.	Gas Restriction.	
Koradi Unit 7	210	27/03/2010	07:43	30/03/2010	02.39	BLR T/L.	
Koradi Unit 3	105	28/03/2010	22.10		Continued.	Tripped ,furnance pressure low.	01/04/2010
Khaparkheda Unit 4	210	30/03/2010	11.29		Continued.	Boiler Tube Leakage	02/04/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Mar/2010

Position as on 6.30 Hrs of 31/Mar/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad - I	26/03/2010	16.31		Continued.	H/T for O/V.
Akola - Wardha - II	26/03/2010	17.33		Continued.	H/T.
Dhule-Sar'Sarovar - II	27/03/2010	02.55		Continued.	H/T for O/V.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/132KV,200MVA ICT-I at Bhusawal	30/03/2010	09.20	30/03/2010	15.27	For Jumpering of existing 400KV Aux.Bus to new Aux.Bus
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132KV 80MVA ICT at Nanded	19/02/2010	10.48		Continued.	Augmentation of ICT by 200 MVA.
220/132 KV,100 MVA ICT-I At Kalmeshwar	20/02/2010	10.34		Continued.	ICT replacement work.
220/132 KV T/F - II @ Boiser	11/03/2010	12.30		Continued.	Aumantation of new 200 MVA ICT.
BUS SEC-II at Jejuri	19/03/2010	13.57		Continued.	Renovation of Isolator
220/132KV 100MVA ICT-I at Parly-II	20/03/2010	09.35		Continued.	HV Breaker Replacement work,ICT on TBC.
Karad-M'peth	23/03/2010	11.10		Continued.	Tower erection work.
Nasik - Airoli - Knowledge Park	27/03/2010	11.05		Continued.	For conductor replacement.
Ghatghar-Jindal	30/03/2010	09.20	30/03/2010	17.00	Conductor replacement
Nagothane-Mahad	30/03/2010	09.29	30/03/2010	18.06	For chemical resistance and antitracking coating
Warora-Hinganghat	30/03/2010	09.45	30/03/2010	19.19	E/W Replacement Work.
Murud-Bale	30/03/2010	11.50	30/03/2010	14.40	Quarterly Maintainance Work.
Kolhapur-Karad-IV	30/03/2010	12.44	30/03/2010	23.15	Earthwire stringing
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Nardhane - Shirpur	30/03/2010	17.00	30/03/2010	18.09	To Attended Red Hot Spot on B Ph Pole Bkr.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/132KV,200MVA ICT-I at Bhusawal	30/03/2010	17.29	30/03/2010	23.21	To increase clarence
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Koradi - Kaparkheda	25/03/2010	19:50		Continued.	H/T.
Bhusawal- Aurangabad	27/03/2010	18:22		Continued.	H/T for O/V.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
220/132 KV 200 MVA ICT-IV at NSK OCR	26/03/2010	11.15		Continued.	Oil leakage from delta point of LV side, B-Ph bushing.
Voltage Level : 400KV			Outage Type TRIPPED		
Padgha-Nagothane-II	30/03/2010	12.40	30/03/2010	12.53	Transient tripping at N'Thane end
Voltage Level : 220KV			Outage Type TRIPPED		
Mumewadi - Halkarni	30/03/2010	15.40	30/03/2010	18.05	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
132/3.3 KV 6 MVA Stn T/F @ Paras	15/03/2010	16.16		Continued.	B Ph C T Burst.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 31/Mar/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	85
Unit 2	105	65
Unit 3	105	0
Unit 4	105	80
Unit 5	200	160
Unit 6	210	180
Unit 7	210	200
	1040	770
Bhusawal		
Unit 1	58	25
Unit 2	210	185
Unit 3	210	195
	478	405
Parli		
Unit 1	30	22
Unit 2	30	22
Unit 3	210	0
Unit 4	210	200
Unit 5	210	180
Unit 6	250	250
Unit 7	250	0
	1190	674
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	180
Unit 4	210	200
Unit 5	500	450
Unit 6	500	400
Unit 7	500	450
	2340	1980
Paras		
Unit 2	55	23
Unit 3	250	250
Unit 4	250	0
	555	273
Khaparkheda		
Unit 1	210	210
Unit 2	210	190
Unit 3	210	210
Unit 4	210	0
	840	610
Nasik		
Unit 1	120	100
Unit 2	120	100
Unit 3	210	198
Unit 4	210	180
Unit 5	210	198
	870	776
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	620

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	620
Hydro		
KDPH	40	36
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	20
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	21
ELDARY	23	0
SMLHY PTN	12	17
GHATGHAR	250	0
	611	307
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	
Khadakale	0	
Khaparale	0	
	0	
CPP		
TOTAL CPP	0	
	0	
Dabhol		
RGPPL	960	1500
	960	1500
Tata		
Trombay 4	150	0
Trombay 5	500	420
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1797
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3373
	3143	3373

	17376	14755
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