



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/May/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 19/May/2010 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	88.440	1763.777	1) Madhya Pradesh	67.908	1256.862
2) Hydro	28.583	512.333	2) Gujrat	21.320	433.475
3) Gas	16.267	311.211	3) Goa	-7.037	-120.843
Total MSGENCO	133.290	2587.321	4) TAPS 1&2 (Inj.)	8.010	136.830
B) OTHERS			5) Pench (Excess)	-0.224	-5.456
1) RGPPL Gas	36.572	625.085	# Total Cent. Sector	89.977	1700.868
2) Wind Generation	13.621	179.183	F) Other Exchanges		
3) CPP	5.280	80.043	1) With TPCL (Excess)	-8.571	-157.590
4) PENCH (MS)	0.224	5.456	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	6.771	143.980
1) TPCL Thermal	33.908	617.400	Include PX	1.569	56.916
2) TPCL Hydro	4.535	60.552	2) MUMBAI Bilateral	8.994	172.785
TOTAL TPCL	38.443	677.952	Include PX	0.185	19.324
3) REL Thermal	12.510	236.905	3) MUMBAI Schedule	8.994	172.785
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	134.858	2618.082	1) MSEDCL	270.393	5020.366
2) Hydro (A2+B3+C2)	33.342	578.341	2) TPCL	38.255	683.821
3) Gas (A3+B1)	52.839	936.296	3) REL	21.270	388.676
4) Wind (B2)	13.621	179.183	TOTAL STATE	329.918	6092.863
5) CPP (B3)	5.280	80.043			
TOTAL STATE	239.940	4391.945			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	3452	3638	3810
MSGENCO Hydro	1529	1161	940
MSGENCO Gas	675	682	706
MSGENCO Total Generation	5656	5481	5456
Central Sector Receipt	4757	4331	3469
RGPPL	1524	1524	1539
WIND	455	531	711
CPP	213	225	210
Exchange with TPCL	-633	-437	10
MSEDCL DEMAND MET	11972	11678	11395
Load Shedding	4093	4525	2123
MSEDCL DEMAND (INCL. LS)	16065	16203	13518
TPCL GENERATION	1750	1724	1379
REL GENERATION	519	522	521
TPCL+REL DEMAND	2902	2683	1890
STATE DEMAND MET	14874	14361	13285
STATE DEMAND (INCL. LS)	18967	18886	15408
Frequency (Hz)	49.50	49.40	49.64
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			6782 MW At 13.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			125.84 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.35 Hz at 06.06 Hrs	48.76 Hz at 19.39 Hrs	49.53	1.38 % 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 19/May/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.73	31.69	82	59	70
Unit 2	1.54	29.69	74	42	50
Unit 3	1.80	32.84	87	55	60
Unit 4	0.00	3.38	0	0	0
Unit 5	2.71	43.90	129	96	120
Unit 6	2.60	50.96	145	72	110
Unit 7	2.74	61.24	130	90	100
	13.13	253.71			510
Bhusawal					
Unit 1	1.08	19.14	50	39	45
Unit 2	4.38	81.20	188	177	190
Unit 3	4.36	65.42	190	160	190
	9.82	165.76			425
Parli					
Unit 1	0.21	9.67	24	0	0
Unit 2	0.56	10.40	25	22	22
Unit 3	3.04	72.49	158	66	165
Unit 4	4.10	74.12	192	140	180
Unit 5	3.36	71.12	160	129	150
Unit 6	5.75	111.84	254	214	250
Unit 7	4.14	81.42	250	0	
	21.16	431.06			767
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	4.29	80.04	184	173	185
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
	4.29	80.04			185
Paras					
Unit 2	0.59	15.29	26	21	24
Unit 3	3.83	83.75	224	116	200
Unit 4	0.81	74.24	183	0	
	5.22	173.27			224
Khaparkheda					
Unit 1	4.41	84.36	207	125	210
Unit 2	4.06	79.25	180	130	180
Unit 3	4.18	83.81	192	155	190
Unit 4	4.32	77.84	196	148	190
	16.97	325.26			770
Nasik					
Unit 1	2.20	35.89	98	81	95
Unit 2	2.17	39.85	100	80	90
Unit 3	4.51	88.14	200	175	200
Unit 4	4.49	84.54	196	172	190
Unit 5	4.48	86.25	195	142	190
	17.85	334.67			765
Koyna					
Stage 1-2	6.26	110.52	535	70	600
Stage 4	13.97	262.29	1054	0	250
Stage 3	5.02	80.66	320	0	320
	25.25	453.48			1170
Kovna 12&4 Total	20.23	372.82			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		16.27	311.21	708	550	670
		16.27	311.21			670
Hydro						
KDPH		0.40	6.84	17	16	17
VTRNA		0.46	6.11	61	0	60
TILLARI		0.16	6.28	49	0	58
BHTGR/VEER		0.45	7.84	19	18	10
BHIRA T.R.		0.20	2.49	72	0	40
RNGR+BHTSA		0.22	5.07	9	8	13
BHANDARDRA		0.73	9.47	31	30	20
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.51	10.85	28	19	10
GHATGHAR		0.22	3.91	200	0	0
		3.34	58.85			228
PENCH (MS)						
Pench (MS)		0.22	5.46	24	0	
		0.22	5.46			
Wind						
MalharPeth		0.37	4.27			
Vankuswadi		0.79	9.56			
ATIT		0.14	3.26			
Kale		0.55	4.58			
Satara		1.50	6.84			
Shirala		0.50	4.36			
K Mahankal		0.05	3.81			
Supa		0.37	3.65			
Vita		1.95	15.80			
Dondaicha		4.33	79.51			
Sakri		0.66	12.12			
Nandurbar		0.53	10.45			
Khadakale		1.19	12.52			
Khaparale		0.70	8.45			
		13.62	179.18			
CPP						
TOTAL CPP		5.28	80.04			
		5.28	80.04			
Dabhol						
RGPPL		36.57	625.08	1548	1432	1520
		36.57	625.08			1520
Tata						
Trombay 4		2.67	36.18	115	105	100
Trombay 5		9.96	186.22	415	415	415
Trombay 6		10.96	198.06	510	270	500
Trombay 7A		2.80	53.01	120	114	120
Trombay 7B		1.56	29.69	66	64	60
Trombay 8		5.96	114.23	252	230	250
TATA Hydro		4.54	60.55	415	0	447
		38.44	677.95			1892
REL						
1&2		12.51	236.90	523	517	500
		12.51	236.90			500
Cent Sect						
Share						3350
						3350
MS PG CL	Thermal	88.44	1763.78			3646
	Thml+Gas	104.71	2074.99			4316
	Hydro	28.58	512.33			1398
	Total	133.29	2587.32			5714
State Total		239.94	4391.94			12976

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/May/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	4007	1754	550	6311	1524	538	208	2997	2953	-322	-288	11253	2039	13292	2365	15657	49.28
2	3977	1219	612	5808	1528	607	208	2909	2949	-204	-168	10932	2327	13259	2200	15459	49.39
3	3942	1161	697	5800	1532	606	210	2786	3087	-76	-41	11194	2214	13408	2040	15448	49.54
4	3912	1295	700	5907	1536	643	210	2733	3327	-20	14	11637	2092	13729	1953	15682	49.56
5	3810	940	706	5456	1539	711	210	2733	3469	-20	10	11395	2123	13518	1890	15408	49.64
6	3676	1440	705	5821	1542	759	209	2733	3212	-20	4	11547	2572	14119	1893	16012	49.59
7	3829	538	708	5075	1548	707	208	2860	3003	-49	-26	10515	3784	14299	1842	16141	49.79
8	3890	205	699	4794	1543	660	210	3004	3265	-216	-187	10285	4053	14338	1938	16276	49.67
9	3904	388	688	4980	1538	540	211	3155	3534	-351	-329	10474	4173	14647	2191	16838	49.58
10	3868	659	688	5215	1540	422	213	3384	4182	-482	-463	11109	4189	15298	2580	17878	49.67
11	3513	1105	683	5301	1533	417	214	3443	4707	-529	-546	11626	4140	15766	2813	18579	49.60
12	3452	1529	675	5656	1524	455	213	3474	4757	-576	-633	11972	4093	16065	2902	18967	49.50
13	3426	1637	672	5735	1523	451	210	3477	3722	-576	-611	11044	5225	16269	2875	19144	49.51
14	3435	1382	674	5491	1525	530	210	3490	4235	-576	-597	11418	4991	16409	2851	19260	49.62
15	3468	1556	672	5696	1515	521	244	3415	3980	-576	-611	11369	4264	15633	2894	18527	49.46
16	3565	1539	676	5780	1515	534	246	3296	3573	-600	-574	11098	4607	15705	2978	18683	49.50
17	3431	1566	676	5673	1512	559	242	3286	3716	-576	-553	11149	4715	15864	2944	18808	49.41
18	3456	1420	682	5558	1527	541	244	3197	3829	-529	-507	11192	4746	15938	2851	18789	49.57
19	3493	809	684	4986	1530	579	236	3232	3827	-479	-447	10726	4806	15532	2673	18205	49.56
20	3638	1161	682	5481	1524	531	225	3283	4308	-453	-437	11655	4525	16180	2683	18863	49.40
21	3625	967	684	5276	1528	587	219	3284	4643	-453	-409	11867	4252	16119	2627	18746	49.43
22	3664	947	686	5297	1532	612	230	3501	4639	-453	-405	11928	4054	15982	2560	18542	49.51
23	3689	1564	686	5939	1482	561	234	3327	3724	-453	-407	11557	3311	14868	2508	17376	49.49
24	3761	1802	682	6245	1432	550	216	3111	3336	-404	-360	11442	3360	14802	2473	17275	49.36
MUs	88.43	28.58	16.27	133.28	36.57	13.62	5.28	76.11	89.98	-8.99	-8.57	270.38	90.66	361.04	59.52	420.56	49.53

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 19/May/2010

Position as on 6.30 Hrs of 20/May/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)	30/12/2010
Chandrapur Unit 6	500	01/04/2010	01.15		Continued.	Annual Overhaul	16/06/2010
Chandrapur Unit 1	210	08/04/2010	08.36		Continued.	Annual Overhaul	30/05/2010
Dabhol 2B	230	15/04/2010	01.40		Continued.	Control System modification work	15/06/2010
Chandrapur Unit 5	500	16/04/2010	15.49		Continued.	Water Balancing Problem.	15/06/2010
Chandrapur Unit 2	210	18/04/2010	21.38		Continued.	Clinker Formation.	30/05/2010
Chandrapur Unit 7	500	25/04/2010	00.23		Continued.	Water Balancing Problem.	30/06/2010
Chandrapur Unit 4	210	28/04/2010	22.53		Continued.	Water Balancing problem	15/06/2010
Cent_Sect NTPC(V-4)	210	19/05/2010	17:09		Continued.	Annual O/H .	09/06/2010
FORCED OUTAGE							
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Cent_Sect NTPC(K-4)	500	09/05/2010	07.00		Continued.	Boiler Tube Leakage.	20/05/2010
Cent_Sect Tarapur 1	80	17/05/2010	02.32	19/05/2010	05.16	Feed water outlet repaire work.	
Parli Unit 1	30	17/05/2010	19.12	19/05/2010	15:05	Economiser T/L.	
Koradi Unit 4	115	18/05/2010	10.24		Continued.	CHP Bunkering problem.	
Uran Unit 8	108	18/05/2010	23.23	19/05/2010	00.01	Tripped on vibration.	
Paras Unit 4	250	19/05/2010	04.50		Continued.	Water valve leakage.	
Parli Unit 7	250	19/05/2010	16:43	19/05/2010	19:42	Coal mill problem.	
Koyna ST-IV 1	250	19/05/2010	19:35	19/05/2010	21:57	PLC System failed.	
Koyna ST-IV 2	250	19/05/2010	19:35	19/05/2010	22:06	PLC System failed.	
Koyna ST - IV 3	250	19/05/2010	19:35	19/05/2010	23.22	PLC System failed.	
Koyna ST - IV 4	250	19/05/2010	19:35	19/05/2010	22:00	PLC System failed.	
Dabhol 1B	230	19/05/2010	23.37		Continued.	Flame failure.	
Koyna ST-IV 2	250	20/05/2010	04.15		Continued.	Static prot.device fault.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/May/2010

Position as on 6.30 Hrs of 20/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Mudsungi-Amona	17/05/2010	13.33		Continued.	Erection of 220 KV multi ckt tower.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad - I	09/04/2010	13.00		Continued.	To control Aurangabad ICT loading.
Wardha - Akola - II	29/04/2010	11.37		Continued.	Due to line loading.
Dhule-S'Sarovar I	15/05/2010	23.44		Continued.	Hand Tripped For Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Lote-Dasturi	18/05/2010	22.38	19/05/2010	16.17	H/T B-Ph CT clamp I/C conductor strand burnt & broken.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Line Reactor of LN at Parli.	13/05/2010	07.58		Continued.	Overhauling of line reactor of Lonikand -I at Parli.
C'pur-Parli CKT .I	15/05/2010	11.22		Continued.	Taken on TBC.Due to M.B.Prob.
Karad-Kolhapur CKT I	19/05/2010	08.10	19/05/2010	18.18	Repl.of faulty disc insulator string.
Main Bus - I at 400 KV Akola	19/05/2010	08.12	19/05/2010	17.27	Bus isolator M.B.I
Tie breaker bay at Jejuri	19/05/2010	15.00	19/05/2010	17.49	Attending oil leakage of B Ph. CT.
Main Breaker at Jejuri	19/05/2010	17.56		Continued.	Attending oil leakage.
400/220 KV 500 MVA ICT-I at Jejuri	20/05/2010	01.21	20/05/2010	06.09	Conservator oil topping up.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV,100 MVA ICT-I At Kalmeshwar	20/02/2010	10.34		Continued.	ICT replacement work.
220/132 KV,100 MVA T/F-II @ Malegaon	08/04/2010	08.55		Continued.	ICT tobe replaced with new 200MVA ICT
220/132 150MVA ICT-II at Nanded	29/04/2010	08.30		Continued.	Augumentation By 200 MVA ICT.
220/132kv 100MVA ICT-III at padegaon	12/05/2010	13.30		Continued.	Replacement of 100 MVA ICT By 200 MVA ICT.
Kalwa - Airoli - Knowledge Park.	16/05/2010	08.49	19/05/2010	17.25	Conductor replacement.
Ghatghar-Jindal	18/05/2010	11.03		Continued.	Conductor replacement.
220/132 KV 100 MVA ICT - I @ Ranjangaon	18/05/2010	13.48		Continued.	Transformer Augmentation work.
Mumewadi-Halkarni-II	19/05/2010	09.20	19/05/2010	17.20	Errection of 220 KV main ckt.tower for 220 KV Halkarni.
Karad - Vita - I	19/05/2010	10.01	19/05/2010	19.50	Dismantling of coupling capacitor and wave trap.
Kandalgaon-Pophali-I	19/05/2010	10.09	19/05/2010	14.50	Maintenance Work.
Apta-HOC	19/05/2010	10.25	19/05/2010	17.43	Maintenance Work.
Lonikand - Bhosari	20/05/2010	04.59		Continued.	Replacement of W/T to CT jumper and attending red hot spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	16/05/2010	20.38		Continued.	H/T for Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5/6.6 KV 70 MVA Str.T/F 5B at 400KV Khaparkheda	25/04/2010	03.59		Continued.	B-Ph,HV bushing burst and caught fire.
Chandrapur-Khaparkheda	18/05/2010	05.58	19/05/2010	00.46	Tripped on distance protection.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/May/2010

Position as on 6.30 Hrs of 20/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
400/220 KV,315 MVA ICT-IAT NAGOTHANE	19/05/2010	14.20	19/05/2010	18.30	Trip main buchloz.
C'pur-Parli CKT .I	19/05/2010	15.18	20/05/2010	03.15	Distance protection.no fault found in petrolling.
Voltage Level : 220KV			Outage Type TRIPPED		
220/66 KV,50 MVA ICT-I At Pusad	19/05/2010	16.33	19/05/2010	17.06	Differential protection operated.
220/66 KV,50 MVA ICT-II At Pusad	19/05/2010	16.33	19/05/2010	17.30	differential protection operated.
Kalmeshwar-Kaparkheda	19/05/2010	18.23	19/05/2010	19.34	Distance protection.
220 KV Main Bus At Nanded	19/05/2010	19.20	19/05/2010	19.35	Bus bar protection operated.
Pusad-Nanded	19/05/2010	19.20	19/05/2010	19.43	Bus bar protection operated.
New parly-Nanded	19/05/2010	19.20	19/05/2010	19.35	Bus bar protection operated.
Voltage Level : 132KV			Outage Type TRIPPED		
132/3.3 KV 6 MVA Stn T/F @ Paras	15/03/2010	16.16		Continued.	B Ph CT Burst.
132 KV Capaciter Bank @ Nanded	24/04/2010	21.45		Continued.	Capaciter Bank Breaker Burst.
Kardha-Sakoli	07/05/2010	17.40		Continued.	Y phase Breaker Pole Burst at Kardha
Pusad-Digras Ckt.	19/05/2010	16.33	19/05/2010	17.30	Tripped on backup protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 20/May/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	70
Unit 4	105	0
Unit 5	200	140
Unit 6	210	120
Unit 7	210	120
	1040	590
Bhusawal		
Unit 1	58	50
Unit 2	210	195
Unit 3	210	190
	478	435
Parli		
Unit 1	30	22
Unit 2	30	22
Unit 3	210	165
Unit 4	210	180
Unit 5	210	150
Unit 6	250	250
Unit 7	250	
	1190	789
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	180
Unit 4	210	0
Unit 5	500	0
Unit 6	500	0
Unit 7	500	0
	2340	180
Paras		
Unit 2	55	24
Unit 3	250	90
Unit 4	250	
	555	114
Khaparkheda		
Unit 1	210	160
Unit 2	210	165
Unit 3	210	170
Unit 4	210	170
	840	665
Nasik		
Unit 1	120	95
Unit 2	120	90
Unit 3	210	200
Unit 4	210	190
Unit 5	210	200
	870	775
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	670

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	670
Hydro		
KDPH	40	17
VTRNA	60	60
TILLARI	60	58
BHTGR/VEER	21	19
BHIRA T.R.	80	80
RNGR+BHTSA	20	9
BHANDARDRA	45	20
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	271
PENCH (MS)		
Pench (MS)	53	
	53	
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	1220
	960	1220
Tata		
Trombay 4	150	100
Trombay 5	500	415
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1892
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3513
	3143	3513

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