



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/May/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 29/May/2010 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	91.402	2653.456	1) Madhya Pradesh	78.247	2032.947
2) Hydro	15.867	618.373	2) Gujrat	19.138	648.263
3) Gas	16.731	474.226	3) Goa	-7.652	-190.660
Total MSGENCO	124.000	3746.055	4) TAPS 1&2 (Inj.)	5.926	207.491
B) OTHERS			5) Pench (Excess)	-0.384	-8.794
1) RGPPL Gas	37.696	982.684	# Total Cent. Sector	95.275	2689.247
2) Wind Generation	15.423	381.361	F) Other Exchanges		
3) CPP	3.149	119.418	1) With TPCL (Excess)	-7.260	-245.583
4) PENCH (MS)	0.384	8.976	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	11.236	272.995
1) TPCL Thermal	33.669	941.585	Include PX	0.204	91.408
2) TPCL Hydro	3.827	101.939	2) MUMBAI Bilateral	8.755	271.830
TOTAL TPCL	37.496	1043.524	Include PX	2.529	32.695
3) REL Thermal	12.457	361.705	3) MUMBAI Schedule	8.755	271.830
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	137.528	3956.746	1) MSEDCL	268.667	7682.158
2) Hydro (A2+B3+C2)	20.078	729.288	2) TPCL	36.671	1052.521
3) Gas (A3+B1)	54.427	1456.910	3) REL	20.539	598.395
4) Wind (B2)	15.423	381.361	TOTAL STATE	325.877	9333.074
5) CPP (B3)	3.149	119.418			
TOTAL STATE	230.605	6643.723			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3788	3806	3764
MSGENCO Hydro	1267	215	408
MSGENCO Gas	695	700	705
MSGENCO Total Generation	5750	4721	4877
Central Sector Receipt	4107	5158	3804
RGPPL	1555	1573	1582
WIND	602	593	681
CPP	105	150	147
Exchange with TPCL	-513	-366	-11
MSEDCL DEMAND MET	11653	11852	11080
Load Shedding	3940	4132	2193
MSEDCL DEMAND (INCL. LS)	15593	15984	13273
TPCL GENERATION	1746	1655	1464
REL GENERATION	521	519	522
TPCL+REL DEMAND	2780	2540	1997
STATE DEMAND MET	14433	14392	13077
STATE DEMAND (INCL. LS)	18373	18524	15270
Frequency (Hz)	49.64	49.89	49.81
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			5979 MW AT 21.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			112.87 MUS

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.34 Hz at 07.06 Hrs	49.32 Hz at 22.07 Hrs	49.79	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 29/May/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.83	49.30	84	68	80
Unit 2	1.67	40.44	75	61	70
Unit 3	1.67	42.75	82	57	70
Unit 4	1.68	16.74	82	46	75
Unit 5	2.81	70.80	134	88	130
Unit 6	2.70	80.16	124	92	125
Unit 7	2.91	91.71	138	76	115
	15.28	391.90			665
Bhusawal					
Unit 1	1.08	29.53	49	40	50
Unit 2	4.16	122.43	185	161	195
Unit 3	4.12	105.76	185	153	190
	9.36	257.72			435
Parli					
Unit 1	0.59	13.08	26	24	22
Unit 2	0.57	15.85	24	23	22
Unit 3	4.13	112.72	181	140	170
Unit 4	4.02	112.33	184	149	170
Unit 5	3.62	105.49	172	140	170
Unit 6	4.58	167.00	207	174	250
Unit 7	0.00	117.30	0	0	
	17.51	643.76			804
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	109.56	0	0	0
Unit 4	4.07	15.77	193	144	190
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
	4.07	125.33			190
Paras					
Unit 2	0.54	21.42	26	18	50
Unit 3	5.52	125.81	250	209	214
Unit 4	4.49	98.28	220	130	
	10.55	245.50			264
Khaparkheda					
Unit 1	4.60	129.18	210	167	210
Unit 2	4.22	117.37	184	162	180
Unit 3	4.47	124.06	196	162	190
Unit 4	4.09	113.04	190	153	190
	17.38	483.65			770
Nasik					
Unit 1	2.29	52.09	102	88	95
Unit 2	1.53	59.11	72	52	70
Unit 3	4.80	134.69	211	192	200
Unit 4	4.30	128.46	188	165	190
Unit 5	4.34	131.23	199	154	170
	17.25	505.59			725
Koyna					
Stage 1-2	3.80	134.70	470	35	600
Stage 4	6.15	299.59	944	0	250
Stage 3	2.31	93.64	252	0	320
	12.26	527.92			1170
Kovna 12&4 Total	9.95	434.28			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units	16.73	474.23	709	658	670	
	16.73	474.23			670	
Hydro						
KDPH	0.56	11.94	31	16	16	
VTRNA	0.40	10.66	61	0	61	
TILLARI	0.00	6.28	0	0	0	
BHTGR/VEER	0.12	10.86	5	5	10	
BHIRA T.R.	0.22	4.48	41	0	40	
RNGR+BHTSA	0.10	6.90	4	4	10	
BHANDARDRA	0.28	14.29	15	0	10	
ELDARY	0.00	0.00	0	0	0	
SMLHY PTN	0.58	17.16	32	22	25	
GHATGHAR	1.35	7.88	250	0	0	
	3.61	90.46			172	
PENCH (MS)						
Pench (MS)	0.38	8.98	47	0		
	0.38	8.98				
Wind						
MalharPeth	0.47	11.33				
Vankuswadi	0.81	24.67				
ATIT	0.51	8.41				
Kale	0.33	10.76				
Satara	0.62	18.99				
Shirala	0.40	10.10				
K Mahankal	0.14	10.24				
Supa	0.12	6.30				
Vita	1.38	40.75				
Dondaicha	6.93	152.26				
Sakri	1.14	25.68				
Nandurbar	0.95	19.66				
Khadakale	0.66	22.45				
Khaparale	0.96	19.76				
	15.42	381.36				
CPP						
TOTAL CPP	3.15	119.42				
	3.15	119.42				
Dabhol						
RGPPL	37.70	982.68	1589	1550	1520	
	37.70	982.68			1520	
Tata						
Trombay 4	2.62	62.47	110	107	100	
Trombay 5	10.08	286.78	420	420	420	
Trombay 6	10.55	299.33	510	310	450	
Trombay 7A	2.84	81.33	120	115	120	
Trombay 7B	1.58	45.50	67	65	60	
Trombay 8	6.00	166.17	252	250	250	
TATA Hydro	3.83	101.94	382	0	447	
	37.50	1043.52			1847	
REL						
1&2	12.46	361.70	524	464	500	
	12.46	361.70			500	
Cent Sect						
Share					3246	
					3246	
MS PG CL	Thermal	91.40	2653.46		3853	
	Thml+Gas	108.13	3127.68		4523	
	Hydro	15.87	618.37		1342	
	Total	124.00	3746.06		5865	
State Total		230.60	6643.72		12978	

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/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	3762	870	698	5330	1577	621	148	3099	3590	-308	-247	11027	2074	13101	2360	15461	49.69
2	3718	482	703	4903	1581	631	147	3005	3544	-219	-152	10654	2612	13266	2188	15454	49.83
3	3782	487	703	4972	1581	677	148	2865	3438	-74	-19	10797	2472	13269	2052	15321	49.80
4	3764	408	705	4877	1582	681	147	2865	3804	-74	-11	11080	2193	13273	1997	15270	49.81
5	3795	598	704	5097	1583	691	147	2855	3609	-74	-12	11115	2226	13341	1936	15277	49.75
6	3838	1155	706	5699	1584	558	144	2845	3229	-74	2	11216	2468	13684	1917	15601	49.71
7	3883	460	708	5051	1587	621	105	2954	3136	-113	-57	10443	3670	14113	1925	16038	49.81
8	3876	380	709	4965	1589	588	106	3000	3395	-163	-99	10544	3837	14381	1938	16319	49.96
9	3896	298	701	4895	1577	728	106	3139	3617	-297	-247	10692	4000	14692	2051	16743	49.82
10	3847	287	706	4840	1571	653	102	3243	4087	-445	-393	10870	4145	15015	2375	17390	49.82
11	3807	581	701	5089	1564	606	104	3312	4035	-515	-467	10955	4212	15167	2628	17795	49.74
12	3788	1267	695	5750	1555	602	105	3314	4107	-562	-513	11653	3940	15593	2780	18373	49.64
13	3804	1613	693	6110	1550	623	105	3313	3813	-562	-505	11743	3783	15526	2817	18343	49.62
14	3827	1703	693	6223	1551	675	104	3312	3583	-562	-505	11678	3531	15209	2720	17929	49.65
15	3861	1656	664	6181	1550	592	106	3344	3777	-562	-498	11755	3742	15497	2781	18278	49.64
16	3751	742	658	5151	1554	595	104	3351	4122	-562	-499	11050	4154	15204	2782	17986	49.71
17	3749	159	692	4600	1562	750	105	3429	4936	-562	-511	11442	4139	15581	2729	18310	49.89
18	3793	131	698	4622	1569	862	126	3482	4851	-515	-464	11566	4053	15619	2594	18213	50.04
19	3828	216	700	4744	1575	709	148	3292	4037	-424	-367	10846	4507	15353	2454	17807	50.07
20	3892	209	698	4799	1570	530	148	3538	4364	-448	-391	11043	4630	15673	2519	18192	49.84
21	3806	215	700	4721	1573	593	150	3540	5158	-448	-366	11852	4132	15984	2540	18524	49.89
22	3810	122	699	4631	1570	648	175	3486	4848	-401	-324	11571	3731	15302	2412	17714	49.79
23	3768	695	698	5161	1568	591	182	3388	4415	-367	-282	11658	3196	14854	2375	17229	49.65
24	3757	1133	699	5589	1573	598	187	3312	3780	-421	-333	11417	3166	14583	2343	16926	49.68
MUs	91.40	15.87	16.73	124.00	37.70	15.42	3.15	77.28	95.28	-8.75	-7.26	268.67	84.61	353.28	57.21	410.49	49.79

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 29/May/2010

Position as on 6.30 Hrs of 30/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	30/06/2010
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.	30/06/2010
Chandrapur Unit 7	500	25/04/2010	00.23		Continued.	Water Balancing Problem.	30/06/2010
Cent_Sect NTPC(K-4)	500	09/05/2010	07.00		Continued.	Annual Overhaul	12/06/2010
Cent_Sect NTPC(V-4)	210	19/05/2010	17:09		Continued.	Annual O/H .	09/06/2010
Chandrapur Unit 3	210	26/05/2010	23.59		Continued.	Water Balancing Problem.	30/06/2010
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-3)	210	28/05/2010	17.45	29/05/2010	15.17	Drum Level High	
Parli Unit 7	250	28/05/2010	21.41		Continued.	Low Pressure bypass valve leakage	01/06/2010
Khaparkheda Unit 4	210	30/05/2010	01.19	30/05/2010	08.01	Drum Level High.	
Cent_Sect NTPC(K-3)	210	30/05/2010	02.44	30/05/2010	14.36	Condenser Leakage.	
Cent_Sect NTPC(K-5)	500	30/05/2010	14.45		Continued.	Boiler Tube Leakage	02/06/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/May/2010

Position as on 6.30 Hrs of 30/May/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	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-Sar'Sarovar - II	24/05/2010	23.34		Continued.	For Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC POLE I&II at Padgha	28/05/2010	21.05	29/05/2010	08.18	Maintenance work
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.
N.Koyna-jaigad-I	21/05/2010	12.28	29/05/2010	12.50	Maintenance Work.
400/220 KV,315 MVA ICT-I at Parly.	29/05/2010	08.31	29/05/2010	22.22	To Attend Hot Spot on B Ph Bushing Clamp
Lonikand-Karad	29/05/2010	08.34	29/05/2010	19.15	Replacement of defective Insulator String.
BBLSR - Dhule - II	29/05/2010	09.07	29/05/2010	17.50	Providing Repair Sleeves @ PG isolator of Y ph Main Bus - II.
400/11.5 KV 90 MVA Stion T/F-IV @ Chandrapur	29/05/2010	10.18		Continued.	Maintainance Work.
Lonikand-Karad	30/05/2010	06.10	30/05/2010	18.58	Defective Insulator Replacement.
Parly - Chandrapur - II	30/05/2010	07.16	30/05/2010	18.40	Replacement of Faulty Disc Insulator.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV,100 MVA ICT-I At Kalmeshwar	20/02/2010	10.34		Continued.	Repl.of ICT by 200 MVA New ICT.
220/132 KV,100 MVA T/F-II @ Malegaon	08/04/2010	08.55		Continued.	ICT tobe replaced with new 200MVA ICT
220/132kv 100MVA ICT-III at padegaon	12/05/2010	13.30		Continued.	Replacement of 100 MVA ICT By 200 MVA ICT.
220/132 KV 100 MVA ICT - I @ Ranjangaon	18/05/2010	13.48		Continued.	Transformer Augmentation work.
New Koyna - Pawas	29/05/2010	08.31	29/05/2010	17.30	Insulator Cleaning & Maint. Work.
Nasik-Raymond	29/05/2010	09.18	29/05/2010	19.07	Replacement of B Ph CT to Line Jumper & Q.M.Work.
Babaleshwar - Nagar - I	29/05/2010	10.00	29/05/2010	13.18	Q.M.Work.
Tifil-Trombay	30/05/2010	07.39	30/05/2010	17.45	Replacement of Deterioted Conductor Loc.No 707B-712 B in Washi Creek area.
220/66KV,50 MVA ICT-II at Wardha	30/05/2010	16.20	30/05/2010	21.08	LV Side B Ph CT Replacement Due to Heavy Oil Leakage.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Borivali-Borivali-II	30/05/2010	14.48	30/05/2010	17.50	Attending Hot Spot.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV,315 MVA ICT-I at Parly.	29/05/2010	22.22		Continued.	ICT Charged with LV Side on TBC due to PDR Problem.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220 KV TBC @ Parvati	29/05/2010	22.15	30/05/2010	02.20	Replacement of Jumpers & Attending Hot Spot.
220/132KV200 MVA ICT-III @Phursungi	30/05/2010	02.19	30/05/2010	05.35	To Attend Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/May/2010

Position as on 6.30 Hrs of 30/May/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Bhusawal- Aurangabad	24/05/2010	18.01		Continued.	For Over Voltage.
Babaleshwar-Dhule CKT - I	29/05/2010	08.53	29/05/2010	09.04	H/T to Changeover from Bus-II TO Bus -I @ Bableshwar.
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5/6.6 KV 70 MVA Stn.T/F 5B at 400KV Khaparkheda	25/04/2010	03.59		Continued.	B-Ph,HV bushing burst and caught fire.
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.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/May/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	70
Unit 3	105	75
Unit 4	105	70
Unit 5	200	130
Unit 6	210	120
Unit 7	210	130
	1040	675
Bhusawal		
Unit 1	58	50
Unit 2	210	180
Unit 3	210	170
	478	400
Parli		
Unit 1	30	22
Unit 2	30	22
Unit 3	210	180
Unit 4	210	180
Unit 5	210	180
Unit 6	250	180
Unit 7	250	0
	1190	764
Chandrapur		
Unit 1	210	0
Unit 2	210	0
Unit 3	210	0
Unit 4	210	190
Unit 5	500	0
Unit 6	500	0
Unit 7	500	0
	2340	190
Paras		
Unit 2	55	24
Unit 3	250	240
Unit 4	250	0
	555	264
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	165
Unit 4	210	0
	840	525
Nasik		
Unit 1	120	95
Unit 2	120	70
Unit 3	210	200
Unit 4	210	190
Unit 5	210	190
	870	745
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Uran		
All Units	852	680

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	680
Hydro		
KDPH	40	16
VTRNA	60	60
TILLARI	60	0
BHTGR/VEER	21	5
BHIRA T.R.	80	40
RNGR+BHTSA	20	4
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	18
GHATGHAR	250	0
	611	143
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	1520
	960	1520
Tata		
Trombay 4	150	100
Trombay 5	500	400
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	3143	3183
	3143	3183

	17376	7 of 7	12636
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