



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

State Load Dispatch Center, Airoli

Daily system Report

for

27/Nov/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/Nov/2010 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	120.943	3080.955	1) Madhya Pradesh	50.483	1482.240
2) Hydro	4.774	118.479	2) Gujrat	16.918	441.318
3) Gas	15.499	392.889	3) Goa	-6.398	-164.840
Total MSGENCO	141.216	3592.323	4) TAPS 1&2 (Inj.)	6.265	113.158
B) OTHERS			5) Pench (Excess)	-0.275	-8.412
1) RGPPL Gas	36.308	955.661	# Total Cent. Sector	66.993	1863.464
2) Wind Generation	1.489	108.224	F) Other Exchanges		
3) CPP / IPP	8.751	237.143	1) With TPCL (Excess)	-15.149	-311.291
4) PENCH (MS)	0.275	8.412	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	4.928	140.005
1) TPCL Thermal	24.813	693.405	Include PX	0.000	-9.864
2) TPCL Hydro	3.324	82.642	2) MUMBAI Bilateral	16.060	333.747
TOTAL TPCL	28.137	776.047	Include PX	7.008	137.201
3) REL Thermal	6.320	299.600	3) MUMBAI Schedule	16.060	334.627
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	152.076	4073.960	1) MSEDCL	239.883	6453.936
2) Hydro (A2+B3+C2)	8.373	209.533	2) TPCL	34.089	928.848
3) Gas (A3+B1)	51.807	1348.550	3) REL	15.515	458.044
4) Wind (B2)	1.489	108.224	TOTAL STATE	289.487	7840.828
5) CPP (B3)	8.751	237.143			
TOTAL STATE	222.496	5977.410			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5221	5247	4650
MSGENCO Hydro	207	731	97
MSGENCO Gas	645	642	659
MSGENCO Total Generation	6073	6620	5406
Central Sector Receipt	2686	3110	2376
RGPPL	1531	1527	1445
WIND	80	61	27
CPP / IPP	370	343	375
Exchange with Mumbai	-752	-806	-370
MSEDCL DEMAND MET	10014	10882	9259
Load Shedding	2099	2674	0
MSEDCL DEMAND (INCL. LS)	12113	13556	9259
TPCL GENERATION	1452	1410	866
REL GENERATION	263	263	263
TPCL+REL DEMAND	2467	2479	1499
STATE DEMAND MET	12481	13361	10758
STATE DEMAND (INCL. LS)	14580	16035	10758
Frequency (Hz)	49.88	49.82	50.03
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2810 MW AT 19.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			34.86 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 13.00 Hrs	49.34 Hz at 08.41 Hrs	49.85	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 27/Nov/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	0.00	37.51	0	0	0
Unit 2	1.63	42.63	74	50	65
Unit 3	1.61	36.58	75	62	70
Unit 4	1.57	14.01	75	47	60
Unit 5	2.92	90.56	142	86	140
Unit 6	3.00	91.96	147	80	130
Unit 7	2.82	66.54	145	55	135
	13.55	379.77			600
Bhusawal					
Unit 1	0.44	14.03	40	9	25
Unit 2	3.55	73.53	185	55	161
Unit 3	4.32	109.58	195	160	174
	8.30	197.14			360
Parli					
Unit 1	0.51	13.02	22	19	19
Unit 2	0.48	12.16	22	18	19
Unit 3	3.86	85.20	180	129	165
Unit 4	4.22	103.80	195	152	155
Unit 5	0.00	53.45	0	0	0
Unit 6	3.00	105.68	203	0	0
Unit 7	4.45	111.37	232	143	170
	16.51	484.68			528
Chandrapur					
Unit 1	3.24	94.09	154	110	150
Unit 2	3.19	91.72	160	105	105
Unit 3	4.18	85.88	198	138	200
Unit 4	4.04	106.65	188	125	180
Unit 5	10.08	219.93	465	355	425
Unit 6	8.78	203.45	445	200	400
Unit 7	9.85	220.19	450	334	400
	43.37	1021.90			1860
Paras					
Unit 2	0.00	9.87	0	0	0
Unit 3	4.80	90.56	227	151	210
Unit 4	3.36	116.42	165	83	140
	8.16	216.86			350
Khaparkheda					
Unit 1	4.60	124.24	210	175	210
Unit 2	4.54	76.51	205	150	195
Unit 3	4.47	115.90	194	168	190
Unit 4	4.21	109.52	179	171	175
	17.82	426.17			770
Nasik					
Unit 1	0.00	49.49	0	0	0
Unit 2	0.00	33.20	0	0	0
Unit 3	4.60	118.60	205	160	190
Unit 4	4.45	41.91	198	168	190
Unit 5	4.18	111.22	191	155	200
	13.23	354.42			580
Koyna					
Stage 1-2	1.74	40.45	305	35	520
Stage 4	0.38	5.86	239	0	250
Stage 3	0.24	11.17	148	0	320
	2.36	57.48			1090
Kovna 12&4 Total	2.12	46.31			770

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.50	392.89	667	618	640
		15.50	392.89			640
Hydro						
KDPH		0.00	0.87	0	0	0
VTRNA		0.00	0.00	0	0	0
TILLARI		0.38	10.61	60	0	60
BHTGR/VEER		0.16	2.30	7	6	7
BHIRA T.R.		0.23	5.63	59	0	80
RNGR+BHTSA		0.34	9.44	16	0	14
BHANDARDRA		0.00	1.19	0	0	0
ELDARY		0.36	5.20	15	15	15
SMLHY PTN		0.33	7.17	22	11	13
GHATGHAR		0.60	18.58	176	0	0
		2.41	60.99			189
PENCH (MS)						
Pench (MS)		0.28	8.41	27	0	0
		0.28	8.41			0
Wind						
MalharPeth		0.08	4.26			
Vankuswadi		0.27	12.70			
ATIT		0.03	1.82			
Kale		0.07	4.35			
Satara		0.06	12.06			
Shirala		0.07	4.36			
K Mahankal		0.21	5.88			
Supa		0.04	2.47			
Vita		0.41	20.38			
Dondaicha		0.09	19.41			
Sakri		0.01	3.42			
Nandurbar		0.01	1.92			
Khandke		0.12	9.64			
Khaparale		0.01	5.57			
		1.49	108.22			
CPP						
TOTAL CPP		8.75	237.14			
		8.75	237.14			
Dabhol						
RGPPL		36.31	955.66	1539	1444	1555
		36.31	955.66			1555
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		11.01	294.13	490	380	500
Trombay 6		4.80	141.74	275	150	500
Trombay 7A		2.92	77.41	125	119	120
Trombay 7B		1.05	39.70	67	38	60
Trombay 8		5.03	140.44	250	155	250
TATA Hydro		3.32	82.64	369	0	447
		28.14	776.05			1877
REL						
1&2		6.32	299.60	264	262	250
		6.32	299.60			250
Cent Sect						
Share						3328
						3328
MS PG CL	Thermal	120.94	3080.96			5048
	Thml+Gas	136.44	3473.84			5688
	Hydro	4.77	118.48			1279
	Total	141.22	3592.32			6967
State Total		222.50	5977.41			13977

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/Nov/2010

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum SCH.	Mum NET EXCH.	MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS														
1	5004	87	657	5748	1484	38	344	2520	2026	-544	-529	9137	165	9302	1728	11030	49.85
2	4748	87	658	5493	1444	33	348	2367	2280	-450	-426	9198	0	9198	1606	10804	49.94
3	4650	97	659	5406	1445	27	375	2319	2376	-404	-370	9259	0	9259	1499	10758	50.03
4	4660	92	659	5411	1445	20	377	2295	2406	-382	-350	9309	0	9309	1487	10796	50.02
5	4795	97	658	5550	1464	20	371	2345	2435	-382	-336	9504	583	10087	1483	11570	49.92
6	4711	227	659	5597	1533	18	363	2413	2381	-377	-339	9563	1205	10768	1510	12278	49.75
7	4717	352	666	5735	1537	18	379	2683	2431	-475	-441	9686	1789	11475	1645	13120	49.77
8	4854	142	667	5663	1539	27	357	2730	2609	-521	-493	9729	2073	11802	1696	13498	49.81
9	5005	100	652	5757	1532	34	365	2968	2630	-592	-561	9784	2184	11968	1905	13873	49.68
10	5204	159	647	6010	1529	51	358	3038	2648	-668	-633	9973	2064	12037	2184	14221	49.64
11	5221	207	645	6073	1531	80	370	3311	2686	-768	-752	10014	2099	12113	2467	14580	49.88
12	5132	218	633	5983	1518	99	367	3364	2844	-768	-741	10070	1757	11827	2548	14375	49.85
13	5161	68	629	5858	1511	92	372	3420	3254	-854	-797	10290	1776	12066	2548	14614	49.74
14	5132	88	622	5842	1523	82	391	3379	2960	-816	-757	10041	1678	11719	2441	14160	49.98
15	5110	100	618	5828	1520	75	390	3330	3385	-816	-765	10433	1699	12132	2425	14557	49.89
16	5100	93	626	5819	1520	103	376	3209	3391	-816	-764	10445	1605	12050	2363	14413	49.85
17	5076	228	639	5943	1522	97	342	3175	3238	-783	-733	10409	1672	12081	2310	14391	49.90
18	5154	593	632	6379	1521	43	337	3176	3259	-783	-732	10827	1917	12744	2293	15037	49.77
19	5247	731	642	6620	1527	61	343	3218	3110	-854	-806	10882	2674	13556	2479	16035	49.82
20	5361	432	638	6431	1535	81	337	3371	3347	-878	-828	10913	2638	13551	2447	15998	49.94
21	5308	297	644	6249	1530	97	336	3371	3012	-854	-827	10423	2340	12763	2335	15098	49.80
22	5262	93	648	6003	1532	102	375	3323	3310	-807	-783	10552	2074	12626	2191	14817	49.83
23	5216	93	650	5959	1535	98	387	2959	2684	-807	-757	9906	1698	11604	2096	13700	49.84
24	5113	93	651	5857	1531	114	391	2640	2302	-662	-629	9566	1575	11141	1920	13061	49.99
MUs	120.94	4.77	15.50	141.21	36.31	1.51	8.75	70.92	67.00	-16.06	-15.15	239.91	37.26	277.18	49.61	326.78	49.85

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 for export)
Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 27/Nov/2010

Position as on 6.30 Hrs of 28/Nov/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
Parli Unit 5	210	19/11/2010	01.05		Continued.	Annual Overhaul	20/12/2010
Cent_Sect NTPC(V-3)	210	23/11/2010	00.20		Continued.	Annual overhaul.	05/12/2010
Nasik Unit 2	125	23/11/2010	00.40		Continued.	Annual Overhaul.	30/12/2010
REL 1	250	24/11/2010	03.55		Continued.	Annual overhaul	18/12/2010
Koyna Unit 7	80	25/11/2010	07.05		Continued.	Turbine Guide Bearing repl.work	28/11/2010
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	
Uran Unit 3	60	16/06/2010	19.52		Continued.	R.M.Work.	
Dabhol 2A	230	12/07/2010	01.55		Continued.	Tripped due to Electrical Fault	30/11/2010
Paras Unit 2	55	16/11/2010	23.00		Continued.	Boiler tube validity expired.	30/11/2010
Koradi Unit 1	105	25/11/2010	12.46		Continued.	Boiler Feed Pump problem	
CPP JSW_JAIGAD	300	25/11/2010	21.35		Continued.	Boiler Tube Leakage.	29/11/2010
Cent_Sect NTPC(K-5)	500	26/11/2010	16.33		Continued.	Boiler Tube Leakage.	29/11/2010
Nasik Unit 1	125	26/11/2010	17.50		Continued.	Trouble Shooting.	27/11/2010
Parli Unit 6	250	27/11/2010	02.55	27/11/2010	07.25	Furnace Pressure High.	27/11/2010
Cent_Sect NTPC(V-4)	210	27/11/2010	12.07		Continued.	Boiler Tube Leakage.	30/11/2010
Parli Unit 6	250	28/11/2010	15.25		Continued.	BLR T/L.	01/12/2010
Cent_Sect NTPC (K-2)	210	28/11/2010	20.30		Continued.	BLR T/L.	01/12/2010

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Nov/2010

Position as on 6.30 Hrs of 28/Nov/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	22/10/2010	14.43	28/11/2010	16.37	Changeover.
Akola - Wardha - I	11/11/2010	23.47	28/11/2010	18.33	Over Voltage.
Kolhapur - Mapusa - I	24/11/2010	22.32		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	25/11/2010	01.38		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	27/11/2010	23.13		Continued.	Over Voltage.
Akola - Aurangabad- II	28/11/2010	16.49		Continued.	Changeover.
Akola - Wardha - II	28/11/2010	18.37		Continued.	Change over
Voltage Level : 220KV			Outage Type TRIPPED		
Badnera - Deoli (PGCIL)	28/11/2010	18.57	28/11/2010	19.55	Distance protection operated.
Badnera - Deoli (PGCIL)	28/11/2010	20.37	28/11/2010	20.22	Distance protection operated.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Reactor of Chandrapur - Parli - II @ Parli	12/08/2009	10.15		Continued.	Bushing Problem.
Parli-Lonikand - II	27/11/2010	10.15	27/11/2010	11.55	Attending Hot Spot.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100 125 MVA ICT - II @ Trombay	23/08/2010	12.17		Continued.	Dismentaling of existing ICT and commissioning of New 200MVA ICT
220/132KV 100MVA ICT-II @ Chalisgaon	08/11/2010	11.10		Continued.	Commissioning of new 200MVA ICT by replacing 100MVA ICT.
220/132 KV 150 MVA ICT - I @ NSK.	10/11/2010	09.40		Continued.	Augmentation of existing 150 MVA ICT by new 200MVA ICT (Up to 09.12.2012)
B - Bus at Boiser	21/11/2010	09:02		Continued.	Maintenance Isolator alignment and Hot spot.
Jejuri-Phursungi	22/11/2010	12.35		Continued.	Overhauling of breaker.
Nerul -Sonkhar	27/11/2010	07.05	27/11/2010	09.47	To attend wave-trap jumper.
Babaleshwar - Babaleshwar - I	27/11/2010	10.00	27/11/2010	15.10	Replacement flashover insulator alignment of isolator.
ONGC-JNPT	27/11/2010	10.55	27/11/2010	19.06	CVT Replacement.
Kalwa-Mahape	27/11/2010	15.17		Continued.	Strenginging Work of Mumbai System.
Dahanu-Bhoisor	28/11/2010	07.35	28/11/2010	18.37	Bay equipment preventive maintenance.
220/100 KV125 MVA ICT-III @Trombay	28/11/2010	09.33	28/11/2010	20.22	Due to outage of group breaker No. 1 and 2 of 110 KV Trombay (Tata).
Trombay-Mulund	28/11/2010	11.08	28/11/2010	20.03	Insulator replacement work.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kalwa-Kalyan	27/11/2010	14.20	27/11/2010	17.45	Repair of Damaged Jaw.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV 600 MVA ICT-II @ Kalwa	28/11/2010	06.16	28/11/2010	10.29	Hot Spot Attending.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - II	26/11/2010	21.52	27/11/2010	11:45	Over Voltage.
Bhusawal- Aurangabad	26/11/2010	22.54	27/11/2010	08.53	Over Voltage.
Lonikand- Koyna Stage IV	26/11/2010	23.38	27/11/2010	08.28	Over Voltage.
Karad - Kolhapur - II	27/11/2010	22.05		Continued.	Over Voltage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Nov/2010

Position as on 6.30 Hrs of 28/Nov/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal- Aurangabad	27/11/2010	22.17	28/11/2010	05.56	Over Voltage.
Voltage Level : 100KV			Outage Type HAND TRIPPED		
Chinchwad - Talegaon	28/11/2010	14.40	28/11/2010	16.55	Red Hot.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV,105 MVA Spare ICT @ Dhule	28/11/2010	11.56	28/11/2010	16.20	PRV Indication.
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV 200 MVA ICT - II @ Theur	20/11/2010	21.32		Continued.	Differential Protection.
Babaleshwar - Ranjangaon	28/11/2010	01.55	28/11/2010	01.59	Distance Protection.
Phursungi - Theur	28/11/2010	03.23	28/11/2010	05.13	Distance Protection.
Babaleshwar - Ranjangaon	28/11/2010	03.59	28/11/2010	04.23	Distance Protection.
Trombay-Dharavi	28/11/2010	16.04	28/11/2010	16.17	Distance protection operated.
Voltage Level : 132KV			Outage Type TRIPPED		
Ujani - Latur	27/11/2010	13.00	27/11/2010	13.10	Dist. Prot. R Ph.
Harangul - Ujni	27/11/2010	13.00	27/11/2010	13.10	Dist.Prot. R Ph. Zone - I.
Ujani-Umarga	27/11/2010	13.17	27/11/2010	18.40	Dist.Prot.
Ujni - Killari	27/11/2010	13.17	27/11/2010	18.40	Dist.Prot. R & Y Ph.Zone - I.
Kawlewada-Madgi-I	28/11/2010	06.21	28/11/2010	06.37	Distance protection operated.
Ujani-Umarga	28/11/2010	13.40	28/11/2010	19.13	Distance protection operated.
Voltage Level : 110KV			Outage Type TRIPPED		
Salset - Dharavi	27/11/2010	07.19	27/11/2010	07.30	B Phase E/F.
Voltage Level : 100KV			Outage Type TRIPPED		
Dharavi - Vikroli	27/11/2010	07.19	27/11/2010	07.24	B Phase E/F.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/Nov/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	0
Unit 2	105	70
Unit 3	105	65
Unit 4	105	72
Unit 5	200	130
Unit 6	210	135
Unit 7	210	130
	1040	602
Bhusawal		
Unit 1	58	15
Unit 2	210	160
Unit 3	210	175
	478	350
Parli		
Unit 1	30	19
Unit 2	30	19
Unit 3	210	172
Unit 4	210	175
Unit 5	210	0
Unit 6	250	200
Unit 7	250	190
	1190	775
Chandrapur		
Unit 1	210	160
Unit 2	210	150
Unit 3	210	190
Unit 4	210	180
Unit 5	500	425
Unit 6	500	425
Unit 7	500	400
	2340	1930
Paras		
Unit 2	55	0
Unit 3	250	210
Unit 4	250	140
	555	350
Khaparkheda		
Unit 1	210	210
Unit 2	210	210
Unit 3	210	200
Unit 4	210	180
	840	800
Nasik		
Unit 1	120	0
Unit 2	120	0
Unit 3	210	200
Unit 4	210	190
Unit 5	210	171
	870	561
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	320
	1920	1090
Uran		
All Units	852	640

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	640
Hydro		
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	7
BHIRA T.R.	80	60
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	0
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	
Khandke	0	
Khaparale	0	
	0	
CPP		
TOTAL CPP	0	
	0	
Dabhol		
RGPPL	960	1555
	960	1555
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	250
	500	250
Cent Sect		
Share	3143	3263
	3143	3263

	17376	7 of 7	14186
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