



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Jan/2010

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	127.544	3545.870	1) Madhya Pradesh	51.156	1626.323
2) Hydro	6.688	239.652	2) Gujrat	23.046	641.200
3) Gas	12.742	374.638	3) Goa	-6.470	-188.588
Total MSGENCO	146.974	4160.160	4) TAPS 1&2 (Inj.)	5.828	109.378
B) OTHERS			5) Pench (Excess)	0.000	-11.886
1) RGPPL Gas	38.156	870.220	# Total Cent. Sector	73.560	2176.427
2) Wind Generation	1.170	75.133	F) Other Exchanges		
3) PENCH (MS)	0.000	11.886	1) With TPCL	-5.455	-123.255
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	21.271	618.292	1) MSEDCL Bilateral	5.552	196.212
2) TPCL Hydro	6.333	152.238	Include PX	1.241	24.816
TOTAL TPCL	27.604	770.530	2) MUMBAI Bilateral	5.438	132.111
3) REL Thermal	12.735	368.639	Include PX	3.637	73.439
D) STATE			3) MUMBAI Schedule	5.803	142.791
1) Thermal (A1+C1+C3)	161.550	4532.801	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	13.021	403.776	1) MSEDCL	254.405	7170.571
3) Gas (A3+B1)	50.898	1244.858	2) TPCL	29.962	819.633
4) Wind (B2)	1.170	75.133	3) REL	15.810	443.040
TOTAL STATE	226.639	6256.568	TOTAL STATE	300.177	8433.244

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5214	5529	4960
MSGENCO Hydro	441	507	224
MSGENCO Gas	535	535	525
MSGENCO Total Generation	6190	6571	5709
Central Sector Receipt	3369	3480	2446
RGPPL	1579	1584	1605
WIND	35	61	45
Exchange with TPCL	-394	-483	-20
MSEDCL DEMAND MET	10779	11213	9785
Load Shedding	3543	3702	0
MSEDCL DEMAND (INCL. LS)	14322	14915	9785
TPCL GENERATION	1399	1350	745
REL GENERATION	532	531	531
TPCL+REL DEMAND	2325	2364	1296
STATE DEMAND MET	13104	13577	11081
STATE DEMAND (INCL. LS)	16647	17279	11081
Frequency (Hz)	49.69	49.72	49.94
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3484 MW at 12.00Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			53.24 Mus

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.52 Hz at 18.04 Hrs	49.03 Hz at 09.49 Hrs	49.78	0 % of Time

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and Mumbai bilateral power.

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 29/Jan/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.88	48.89	90	71	75
Unit 2	1.61	47.82	78	44	70
Unit 3	0.00	10.30	0	0	0
Unit 4	1.90	43.75	90	65	70
Unit 5	2.65	90.17	164	0	60
Unit 6	3.64	97.43	165	129	160
Unit 7	4.13	84.76	185	155	180
	15.81	423.11			615
Bhusawal					
Unit 1	1.04	27.43	54	20	50
Unit 2	4.36	104.76	190	170	180
Unit 3	4.58	128.31	195	180	195
	9.99	260.50			425
Parli					
Unit 1	0.54	15.58	24	21	23
Unit 2	0.52	15.85	23	21	23
Unit 3	1.65	74.86	155	0	0
Unit 4	4.40	131.85	206	160	200
Unit 5	3.92	116.68	180	140	180
Unit 6	5.45	157.80	277	138	240
	16.48	512.63			666
Chandrapur					
Unit 1	3.51	97.20	149	140	150
Unit 2	3.96	103.39	169	159	160
Unit 3	4.59	120.31	200	165	210
Unit 4	4.64	113.96	195	190	210
Unit 5	10.57	292.70	460	430	450
Unit 6	10.44	287.74	450	410	450
Unit 7	10.64	261.22	458	435	450
	48.35	1276.52			2080
Paras					
Unit 2	1.10	23.02	49	42	46
Unit 3	5.17	114.68	231	192	210
	6.27	137.69			256
Khaparkheda					
Unit 1	0.00	22.60	0	0	0
Unit 2	2.15	131.45	206	0	0
Unit 3	5.11	135.96	215	206	210
Unit 4	4.62	141.11	214	143	210
	11.87	431.12			420
Nasik					
Unit 1	2.10	55.52	95	59	95
Unit 2	2.17	54.91	96	85	95
Unit 3	4.92	140.10	210	200	205
Unit 4	4.79	135.78	207	192	205
Unit 5	4.80	117.98	207	187	200
	18.78	504.30			800
Uran					
All Units	12.74	374.64	538	524	470
	12.74	374.64			470
Koyna					
Stage 1-2	0.92	47.90	50	25	600
Stage 4	0.00	49.75	0	0	250
Koyna 12&4 Total	0.92	97.64			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.12	20.99	66	0	240
	1.04	118.64			1090
Hydro					
KDPH	0.94	9.85	40	38	36
VTRNA	1.31	13.55	61	0	60
TILLARI	0.37	10.73	60	0	60
BHTGR/VEER	1.80	39.08	75	74	71
BHIRA T.R.	0.31	7.80	81	0	80
RNGR+BHTSA	0.29	9.12	14	11	15
BHANDARDRA	0.00	6.03	0	0	0
ELDARY	0.18	1.30	12	0	11
PAITHAN	0.06	1.53	10	0	10
GHATGHAR	0.40	22.02	120	0	0
	5.65	121.01			343
PENCH (MS)					
Pench (MS)	0.00	11.89	0	0	
	0.00	11.89			
Wind					
MalharPeth	0.07	3.14			
Vankuswadi	0.21	8.07			
ATIT	0.04	1.53			
Kale	0.06	2.41			
Satara	0.14	3.21			
Shirala	0.07	2.62			
K Mahankal	0.01	2.18			
Supa	0.05	1.96			
Vita	0.32	15.23			
Dondaicha	0.09	20.04			
Sakri	0.01	2.61			
Nandurbar	0.02	2.34			
Khadakale	0.05	5.51			
Khaparale	0.03	4.28			
	1.17	75.13			
Dabhol					
RGPP L II	38.16	870.22	1607	1568	1556
RGPP L III	0.00	0.00	0	0	
	38.16	870.22			1556
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	19.68	0	0	0
Trombay 6	11.73	314.08	510	400	500
Trombay 7A	2.54	79.54	120	93	100
Trombay 7B	1.50	45.56	68	60	60
Trombay 8	5.50	159.43	250	150	250
TATA Hydro	6.33	152.24	481	0	447
	27.60	770.53			1357
REL					
1&2	12.74	368.64	532	528	500
	12.74	368.64			500
Cent Sect					
Share					3397
					3397

MS PG CL	Thermal	127.54	3545.87		5262
	Thml+Gas	140.29	3920.51		5732
	Hydro	6.69	239.65		1433
	Total	146.97	4160.16		7165
State Total		226.64	6256.57		13975

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/Jan/2010

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CS SHARE	CS RECPT	MUMBAI		MSEDCL DEMAND MET	# LOAD SHED.	MSEDCL DEMAND WITH LS	MUMBAI DEMAND	STATE DEM. WITH LS	FREQ. (Hz)
	THM	HY	GAS						SCH.	EXCH.						
1	4985	163	525	5673	1606	39	2812	2546	-36	-28	9836	1356	11192	1474	12666	49.97
2	4947	163	526	5636	1607	39	2821	2404	-36	-26	9660	1147	10807	1384	12191	49.94
3	4959	173	526	5658	1602	42	2823	2389	-36	-25	9666	124	9790	1341	11131	50.06
4	4960	224	525	5709	1605	45	2823	2446	-36	-20	9785	0	9785	1296	11081	49.94
5	5076	224	525	5825	1605	51	2798	2715	-36	-36	10160	295	10455	1282	11737	49.77
6	5113	225	525	5863	1604	63	2899	3170	-36	-29	10671	1945	12616	1335	13951	49.73
7	5146	226	525	5897	1600	70	3215	2760	52	63	10390	2374	12764	1487	14251	49.59
8	5223	231	524	5978	1598	65	3215	3073	52	67	10781	2826	13607	1631	15238	49.50
9	5233	257	525	6015	1598	59	3046	2917	47	58	10647	3289	13936	1808	15744	49.47
10	5203	324	525	6052	1588	46	3372	3027	-230	-210	10503	3408	13911	2119	16030	49.45
11	5200	450	538	6188	1579	62	3447	3471	-359	-335	10965	3309	14274	2261	16535	49.57
12	5214	441	535	6190	1579	35	3503	3369	-392	-394	10779	3543	14322	2325	16647	49.69
13	5292	233	535	6060	1568	22	3543	3399	-440	-432	10617	3522	14139	2386	16525	49.53
14	5451	239	538	6228	1576	19	3541	3245	-440	-429	10639	3366	14005	2205	16210	49.82
15	5513	239	530	6282	1582	20	3541	3353	-440	-429	10808	3223	14031	2280	16311	50.02
16	5564	234	530	6328	1575	23	3538	3378	-440	-426	10878	2694	13572	2270	15842	49.90
17	5587	238	538	6363	1578	38	3540	3748	-440	-431	11296	2662	13958	2264	16222	49.97
18	5495	309	538	6342	1580	40	3566	3564	-440	-426	11100	2627	13727	2243	15970	49.93
19	5541	498	535	6574	1584	48	3380	3592	-459	-442	11356	3310	14666	2334	17000	49.92
20	5529	507	535	6571	1584	61	3394	3480	-509	-483	11213	3702	14915	2364	17279	49.72
21	5614	374	535	6523	1586	72	3307	3379	-340	-316	11244	3413	14657	2185	16842	49.67
22	5589	243	535	6367	1598	68	3311	2713	-265	-239	10507	3271	13778	2068	15846	50.05
23	5592	237	533	6362	1587	76	3144	2760	-270	-245	10540	2102	12642	1759	14401	49.65
24	5514	236	536	6286	1587	72	3052	2663	-270	-242	10366	0	10366	1693	12059	49.85
MUs	127.54	6.69	12.74	146.97	38.16	1.18	77.63	73.56	-5.80	-5.46	254.41	57.51	311.92	45.79	357.71	49.78

NOTE : ALL VALUES IN MW

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

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 29/Jan/2010

Position as on 6.30 Hrs of 30/Jan/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
Tata Trombay 5	500	03/01/2010	00:57		Continued.	AOH	01/02/2010
Khaparkheda Unit 1	210	05/01/2010	23:57		Continued.	AOH	09/02/2010
Koradi Unit 3	105	09/01/2010	00:17		Continued.	COH.	21/03/2010
Uran Unit 6	108	20/01/2010	01:22		Continued.	Major Overhauling work.	05/03/2010
Koyna Unit 9	80	20/01/2010	11:00		Continued.	AOH.	19/02/2010
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.	
Parli Unit 3	210	25/01/2010	23:53	29/01/2010	10.27	Abnormal Hunting in governing system	
Koradi Unit 5	200	26/01/2010	22:10	29/01/2010	03.36	I.D. Fan Problem.	
Khaparkheda Unit 2	210	29/01/2010	00:09	29/01/2010	11.34	Flame Failure.	
Dabhol 1B	230	30/01/2010	01:45		Continued.	Turbine temp.high	06/02/2010
Nasik Unit 5	210	30/01/2010	02:15	30/01/2010	04.55	Furnance pressure low.	

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

Position as on 6.30 Hrs of 30/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - I	12/01/2010	12.56		Continued.	H/T. SYSTEM CONSTRAINT.
Dhule-Sar'Sarovar - II	12/01/2010	22.22		Continued.	H/T for O/V at Dhule S/S.
Akola - Aurangabad - I	20/01/2010	00:45		Continued.	H/T System Constraint.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kalwa-Kharghar	15/01/2010	12.39	29/01/2010	18.57	Breaker Overhauling Work, Line on TBC.
Babaleshwar-Bhusawal	29/01/2010	10.08	29/01/2010	18.46	Replacement of seizer blade of Y Ph.P.G.
400KV Main Bus - I at Khadka	29/01/2010	10.12	29/01/2010	17.14	Errection of 400KV B-1 type beam.
400/220KV,315 MVA ICT-III at Padgha	29/01/2010	10.49	29/01/2010	20.18	Q.M.work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
Own Breaker 210 MW Generating Unit III at Parly - I	26/01/2010	11:45	29/01/2010	19.30	Breaker replacement work for 3 days.
Aurangabad - Padegaon - I.	27/01/2010	16:35		Continued.	BKR. Replacement work, ckt on TBC. (15 days)
Jambul - Pal	29/01/2010	09.07	29/01/2010	13.35	Time test of C.T of 200 MVA ICT at PAL.
Kalwa - Ghatghar	29/01/2010	09.12		Continued.	Replacement of conductor.
KOLSHET-KAMBA	29/01/2010	10.15	29/01/2010	20.20	Q.M.Work.
Kolhapur-Karad-III	29/01/2010	10.38	29/01/2010	17.35	Wave trap replacement.
Ambazari-Wardha	29/01/2010	10.48	29/01/2010	13.49	E/W stringing at Loc.326.
220/132 kv,100 MVA ICT at Chitegaon	29/01/2010	11.00	29/01/2010	18.10	Oil top up of ICT and Q.M.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Own BKR 400/21 KV, 600 MVA GT - VII at Chandrapur.	25/01/2010	08:12		Continued.	GT VII on TBC, Main BKR, Air leakage problem.
400/220 KV 315 MVA ICT - II @ Koradi.	26/01/2010	10:32		Continued.	L. V. side breaker air leakage hence Taken on TBC.
Dabhol-New Koyna-I	30/01/2010	06.02		Continued.	E/O replcement of Y & B Ph L.A.@ N. KOYNA
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
150 MVA, ICT at Bale s/s	28/01/2010	15.14	29/01/2010	16.33	Y Ph.C.T.Oil Leakage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	28/01/2010	18.02	29/01/2010	09.58	H/T for O/V,system constraint.
Bhusawal- Aurangabad	29/01/2010	18.46		Continued.	H/T for over voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Pusad -Parbhani	29/01/2010	13.24	29/01/2010	17.08	Retrofitting of relay.
Voltage Level : 220KV			Outage Type TRIPPED		
220/33KV, 25MVA T/F at Gadchandur	26/01/2010	09:50		Continued.	Bulholz trip.
Voltage Level : 132KV			Outage Type TRIPPED		

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

Position as on 6.30 Hrs of 30/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
132/33 KV,25 MVA T/F-I at Katol	23/01/2010	10.44		Continued.	Differential protection operated.
Khapri-Besa Ckt.	29/01/2010	01.52	29/01/2010	08.16	Distance protection.
Giravali-Latur	29/01/2010	03.49	29/01/2010	04.33	Distance protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Jan/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	85
Unit 2	105	70
Unit 3	105	0
Unit 4	105	85
Unit 5	200	140
Unit 6	210	160
Unit 7	210	145
	1040	685
Bhusawal		
Unit 1	58	50
Unit 2	210	190
Unit 3	210	195
	478	435
Parli		
Unit 1	30	23
Unit 2	30	23
Unit 3	210	165
Unit 4	210	200
Unit 5	210	180
Unit 6	250	240
	940	831
Chandrapur		
Unit 1	210	150
Unit 2	210	160
Unit 3	210	210
Unit 4	210	210
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	2080
Paras		
Unit 2	55	46
Unit 3	250	225
	305	271
Khaparkheda		
Unit 1	210	0
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	610
Nasik		
Unit 1	120	95
Unit 2	120	95
Unit 3	210	205
Unit 4	210	205
Unit 5	210	85
	870	685
Uran		
All Units	852	530
	852	530
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	36
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	71
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	332
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	
Dabhol		
RGPPPL II	960	1256
RGPPPL III	740	
	1700	1256
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3354
	3143	3354