



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

State Load Dispatch Center, Airoli

Daily system Report

for

26/Jan/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 26/Jan/2011 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	121.007	3133.199	1) Madhya Pradesh	35.162	1104.728
2) Hydro	8.832	503.825	2) Gujrat	34.723	742.359
3) Gas	16.080	367.374	3) Goa	-5.188	-156.589
Total MSGENCO	145.919	4004.398	4) TAPS 1&2 (Inj.)	7.946	204.887
B) OTHERS			5) Pench (Excess)	-0.324	-10.197
1) RGPPL Gas	32.388	865.690	# Total Cent. Sector	72.319	1885.188
2) Wind Generation	2.739	64.760	F) Other Exchanges		
3) CPP / IPP	19.185	574.101	1) With TPCL (Excess)	-1.251	-109.521
4) PENCH (MS)	0.324	10.550	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	15.466	420.375
1) TPCL Thermal	20.939	551.679	Include PX	0.000	0.000
2) TPCL Hydro	2.350	108.434	2) MUMBAI Bilateral	0.824	104.162
TOTAL TPCL	23.289	660.113	Include PX	-2.611	-28.877
3) REL Thermal	12.690	328.249	3) MUMBAI Schedule	0.824	114.787
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	154.636	4013.127	1) MSEDCL	271.623	7295.166
2) Hydro (A2+B3+C2)	11.506	622.809	2) TPCL	24.643	734.533
3) Gas (A3+B1)	48.468	1233.064	3) REL	12.484	363.197
4) Wind (B2)	2.739	64.760	TOTAL STATE	308.750	8392.896
5) CPP (B3)	19.185	574.101			
TOTAL STATE	236.534	6507.861			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 1 Hrs
MSGENCO Thermal	5050	5151	4669
MSGENCO Hydro	282	218	119
MSGENCO Gas	654	664	672
MSGENCO Total Generation	5986	6033	5460
Central Sector Receipt	3486	2776	2710
RGPPL	1354	1332	1369
WIND	70	159	91
CPP / IPP	767	872	700
Exchange with Mumbai	102	-70	-111
MSEDCL DEMAND MET	11765	11127	10219
Load Shedding	2142	3786	0
MSEDCL DEMAND (INCL. LS)	13907	14913	10219
TPCL GENERATION	1291	1332	802
REL GENERATION	528	530	529
TPCL+REL DEMAND	1717	1932	1442
STATE DEMAND MET	13482	13059	11661
STATE DEMAND (INCL. LS)	15624	16845	11661
Frequency (Hz)	50.01	49.88	49.74
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3786 MW AT 20.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			40.09 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.59 Hz at 18.02 Hrs	49.3 Hz at 06.42 Hrs	49.91	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 26/Jan/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1		11.85	0	0	
Unit 2		8.44	0	0	
Unit 3		12.29	0	0	
Unit 4		9.33	0	0	
Unit 5	4.54	90.20	197	183	175
Unit 6	0.00	0.00	0	0	0
Unit 7	4.80	100.44	210	190	190
	9.34	232.53			365
Bhusawal					
Unit 1		0.00	0	0	
Unit 2	3.88	82.69	180	150	180
Unit 3	4.59	117.64	200	165	200
	8.47	200.34			380
Parli					
Unit 1		0.00	0	0	
Unit 2		0.00	0	0	
Unit 3	3.88	83.80	178	132	180
Unit 4	3.88	111.41	189	117	200
Unit 5	4.61	106.87	209	160	180
Unit 6	5.02	135.74	237	114	205
Unit 7	0.00	63.28	0	0	0
	17.39	501.10			765
Chandrapur					
Unit 1	3.63	95.34	165	123	150
Unit 2	3.97	81.47	175	159	155
Unit 3	4.66	113.91	201	177	200
Unit 4	3.96	110.43	191	124	200
Unit 5	11.45	277.72	495	450	475
Unit 6	11.08	271.76	485	360	450
Unit 7	11.19	239.66	474	459	460
	49.92	1190.28			2090
Paras					
Unit 2		0.00	0	0	
Unit 3	3.88	113.59	183	123	125
Unit 4	0.00	86.71	0	0	0
	3.88	200.30			125
Khaparkheda					
Unit 1	4.95	126.64	215	180	210
Unit 2	4.80	122.40	206	187	210
Unit 3	5.08	126.39	216	202	210
Unit 4	0.00	12.53	0	0	0
	14.83	387.96			630
Nasik					
Unit 1	2.00	52.66	93	72	81
Unit 2	2.10	48.44	98	78	81
Unit 3	3.98	104.36	180	150	172
Unit 4	4.68	113.80	208	175	192
Unit 5	4.40	101.43	200	165	182
	17.17	420.70			708
Koyna					
Stage 1-2	3.32	100.26	380	35	600
Stage 4	1.59	207.77	436	0	250
Stage 3	0.98	65.75	240	0	240
	5.90	373.78			1090
Kovna 12&4 Total	4.91	308.03			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		16.08	367.37	690	645	640
		16.08	367.37			640
Hydro						
KDPH		0.00	7.32	0	0	0
VTRNA		0.00	13.82	0	0	0
TILLARI		0.24	10.13	60	0	60
BHTGR/VEER		0.42	10.64	18	17	18
BHIRA T.R.		0.29	6.32	82	0	80
RNGR+BHTSA		0.38	9.78	16	16	17
BHANDARDRA		0.00	0.00	0	0	0
ELDARY		0.00	6.37	0	0	0
SMLHY PTN		0.93	22.87	47	36	0
GHATGHAR		0.67	42.80	250	0	0
		2.94	130.04			175
PENCH (MS)						
Pench (MS)		0.32	10.55	54	0	
		0.32	10.55			
Wind						
MalharPeth		0.18	2.41			
Vankuswadi		0.32	6.60			
ATIT		0.11	1.04			
Kale		0.13	2.38			
Satara		0.24	5.05			
Shirala		0.14	2.72			
K Mahankal		0.11	3.22			
Supa		0.06	1.67			
Vita		0.91	13.12			
Dondaicha		0.28	14.38			
Sakri		0.05	2.43			
Nandurbar		0.04	1.35			
Khandke		0.07	5.26			
Khaparale		0.10	3.14			
		2.74	64.76			
CPP						
TOTAL CPP		19.18	574.10			515
		19.18	574.10			515
Dabhol						
RGPPL		32.39	865.69	1372	1331	1450
		32.39	865.69			1450
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		11.12	269.56	490	350	500
Trombay 6		0.00	22.73	0	0	0
Trombay 7A		2.94	76.80	126	117	120
Trombay 7B		1.62	42.29	68	65	60
Trombay 8		5.26	140.29	252	150	250
TATA Hydro		2.35	108.43	401	0	447
		23.29	660.11			1377
REL						
1&2		12.69	328.25	530	527	500
		12.69	328.25			500
Cent Sect						
Share						3270
						3270
MS PG CL	Thermal	121.01	3133.20			5063
	Thml+Gas	137.09	3500.57			5703
	Hydro	8.83	503.82			1265
	Total	145.92	4004.40			6968
State Total		236.53	6507.86			14080

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 26/Jan/2011

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	4669	119	672	5460	1369	91	700	3148	2710	-85	-111	10219	0	10219	1442	11661	49.74
2	4761	114	683	5558	1371	123	698	2906	2635	-37	-30	10355	0	10355	1321	11676	49.89
3	4761	104	685	5550	1369	125	703	2744	2782	12	12	10541	0	10541	1239	11780	49.81
4	4982	139	689	5810	1370	149	703	2744	2973	12	20	11025	0	11025	1202	12227	49.85
5	4998	387	690	6075	1358	163	707	2744	3028	12	20	11351	685	12036	1212	13248	49.86
6	5020	573	686	6279	1341	172	787	2978	3181	12	-9	11751	1455	13206	1287	14493	49.78
7	5055	1119	681	6855	1372	139	836	3028	2965	113	82	12274	1707	13981	1331	15312	49.71
8	5120	871	676	6667	1372	111	829	3060	2904	89	62	11998	1798	13796	1400	15196	49.77
9	5136	806	672	6614	1371	72	825	3190	3113	-37	-31	12018	1805	13823	1536	15359	49.64
10	5158	680	668	6506	1359	47	796	3118	2993	182	164	11916	1831	13747	1625	15372	49.70
11	5095	393	668	6156	1359	47	752	3287	3097	123	105	11567	2091	13658	1681	15339	49.96
12	5050	282	654	5986	1354	70	767	3288	3486	123	102	11765	2142	13907	1717	15624	50.01
13	5047	432	648	6127	1343	82	768	3578	3732	-177	-192	11860	2381	14241	1686	15927	49.91
14	5103	323	645	6071	1335	56	707	3417	3644	-101	-131	11682	2441	14123	1591	15714	50.19
15	5068	395	645	6108	1331	40	702	3197	3598	-77	-93	11686	2439	14125	1577	15702	49.96
16	5120	360	647	6127	1332	46	763	3180	3352	-77	-106	11514	2428	13942	1566	15508	49.94
17	5136	375	655	6166	1335	47	886	3180	3214	-77	-107	11541	2425	13966	1566	15532	49.93
18	5064	380	667	6111	1332	72	892	3187	3314	-81	-111	11610	2596	14206	1590	15796	50.02
19	5120	234	662	6016	1332	108	874	3034	2857	45	-82	11105	3424	14529	1857	16386	49.93
20	5151	218	664	6033	1332	159	872	3248	2776	-23	-70	11127	3786	14913	1932	16845	49.88
21	5233	191	676	6100	1336	211	876	3225	2470	1	-15	11013	2023	13036	1844	14880	50.15
22	5168	112	678	5958	1336	194	913	3491	3036	-324	-321	11141	193	11334	1834	13168	50.03
23	5087	110	682	5879	1338	198	925	3155	2500	-286	-260	10585	0	10585	1671	12256	50.04
24	4905	115	687	5707	1341	217	904	2902	1959	-165	-149	9979	0	9979	1523	11502	50.18
MUs	121.0 1	8.83	16.08	145.92	32.39	2.74	19.18	75.03	72.32	-0.82	-1.25	271.62	37.65	309.27	37.23	346.50	49.91

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 26/Jan/2011

Position as on 6.30 Hrs of 27/Jan/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Koradi Unit 6	210	26/12/2010	09.23		Continued.	Annual Overhaul.	27/01/2011
Khaparkheda Unit 4	210	03/01/2011	15.26		Continued.	Capital Overhaul.	07/02/2011
Dabhol 3B	230	04/01/2011	16:44		Continued.	Rehabilitation work.	05/03/2011
Tata Trombay 6	500	07/01/2011	00.04		Continued.	Capital overhaul.	31/01/2011
Koyana Unit 11	80	13/01/2011	07.45		Continued.	Retrofitting work of excitation system.	13/02/2011
CPP JSW_JAIGAD	300	22/01/2011	02:15	26/01/2011	15.05	W/D For Annual Inspection	
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.	
Parli Unit 7	250	14/01/2011	11.21	27/01/2011	02.15	M.S.Temp.Low	
Paras Unit 4	250	18/01/2011	08.58		Continued.	Boiler Tube Leakage.	27/01/2011
CPP WARDHA	135	25/01/2011	15.45	26/01/2011	20.59	H/T for Turbine side problem.	
CPP WARDHA	135	26/01/2011	22.38	27/01/2011	00.04	W/D for Turbine side leakages.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 26/Jan/2011

Position as on 6.30 Hrs of 27/Jan/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule - S'Sarovar- II	25/01/2011	22.40		Continued.	Over Voltage.
Solapur - Solapur (PG)	27/01/2011	00.01		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	27/01/2011	00.40		Continued.	Over Voltage.
Akola - Wardha - I	27/01/2011	00.41		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Lamboti - Solapur (PGCIL)	25/01/2011	15.22	26/01/2011	11.05	R-Ph,E/F.
Voltage Level : 220KV			Outage Type TRIPPED		
Halkarni -Tillary	26/01/2011	14.22	26/01/2011	16.02	Distance Protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Karad-Kolhapur-II	25/01/2011	08.40		Continued.	Replacement of insulator(ready for charging.)
Karad - Newkoyna - I	26/01/2011	13.07	26/01/2011	20.40	To attend Red Hot on Loc.Nos.70.95.101.105.118.180.
Koradi - Kaparkheda	26/01/2011	16.15	26/01/2011	17.47	Low gas pressure alarm in main breaker.Line on TBC.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-III @ Kalwa	14/12/2010	08.39		Continued.	For Augumentation from 125MVA to 200MVA.
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(Six Month Outage.)Up to 09.05.2011.
220/132 KV 100 MVA ICT-II @ Babaleshwar	25/12/2010	12:15		Continued.	Augmentation by 200MVA ICT (upto 30/01/2011)
220/132KV 100 MVA ICT-I @Padegaon	26/12/2010	13.30		Continued.	ICT on TBC for Main Breaker Replacement.
220/132 KV 100 MVA ICT-II @ Bhusawal	02/01/2011	08.58		Continued.	Replacement of 100 MVA By 200 MVA ICT(Upto 23.01.2011).
220/100 KV125 MVA ICT-III @Trombay	06/01/2011	12.03		Continued.	Augmentation by New 200 MVA ICT up to 20.03.2011.
220/6.6KV 40MVA Stn.T/F-IV at K'Kheda	14/01/2011	12.26		Continued.	Oil Filtration work(10Days)
220/132 KV,100 MVA T/F-II @ Malegaon	19/01/2011	08.55		Continued.	Replacement of 100MVA ICT by 200MVA.
Mahape-Tifil	19/01/2011	10.07		Continued.	Dismantalling and erection of MC tower bet.loc No.42-46 and stringing of conductor.
220/100KV,100 MVA T/F-I at Jambhul	22/01/2011	11.30		Continued.	For Dismantaling 100MVA T/F-I under JICA scheme
220/33 KV 100 MVA ICT-IV @ Versova	23/01/2011	07.23		Continued.	Annual Maintenance Work.
Pophali-K'gaon	26/01/2011	09.00.		Continued.	Tower errection.
Baramati-Kurkumbh	26/01/2011	09.20	26/01/2011	18.15	Insulator replacement.
Murud - Girawli.	26/01/2011	11.28	26/01/2011	20.51	Stringing of 400KV Parli-Parli D/C lines crossing at Loc.no.344-345.
Girvali-Usmanabad	26/01/2011	11.39	26/01/2011	20.39	Stringing of 400KV Parli-Parli D/C lines crossing at Loc.no.344-345.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
132KV Main Bus-II at 400KV Bhusawal	26/01/2011	10.09		Continued.	Conversion of incoming Bus jumper from single to twin of ICT-II.
Voltage Level : 500KV			Outage Type FORCED OUTAGE		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 26/Jan/2011

Position as on 6.30 Hrs of 27/Jan/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
HCDC Pole-II @Padghe	26/01/2011	19.26	27/01/2011	00.23	Oil leakage in R and B Ph. converter Transformer.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Jejuri-Jejuri I	27/01/2011	00.20	27/01/2011	03.05	CT Tan Delta Measurement.
Jejuri I-Jejuri II	27/01/2011	03.19	27/01/2011	05.32	CT Tan Delta Measurement.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	25/01/2011	21.57	26/01/2011	04.22	Over Voltage.
Bhusawal- Aurangabad	26/01/2011	20.00	27/01/2011	04.58	Over Voltage.
Lonikand- Koyna Stage IV	27/01/2011	00.08		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Lote - Dasturi	07/01/2011	21.01		Continued.	B phase Crossarm Bend at Loc.No.97, (work till 22/01/2011).
Babaleshwar - Bhenda	10/01/2011	09.30		Continued.	To Control Babaleshwar ICT Load.
Alephata-Kathapur	14/01/2011	14.08		Continued.	To Control 400KV LNKD ICT Loading.
Dhule-Chalisgaon	18/01/2011	15.53		Continued.	To control O/L of 400KV Dhule ICT's,From Dt. 22/01/11 opportunity outage taken for replacement of Line Isolator Work.
Chandrapur-Warora - I	23/01/2011	18.14		Continued.	To Control 220KV Warora-Hinganghat Loading.
BBLSR-Waluj	24/01/2011	10.28		Continued.	For Babaleshwar ICT Loading.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Akola - Paras-II	26/01/2011	20.42		Continued.	Attending B-Ph CT Oil leakage.
Voltage Level : 100KV			Outage Type HAND TRIPPED		
Kalwa - Salshet - I	12/01/2011	13.46		Continued.	H/T from Kalwa end
Voltage Level : 500KV			Outage Type TRIPPED		
HVDC Pole II Padgha	25/01/2011	23.40	26/01/2011	14.03	A.C.Conductor ground fault converter trip.
Voltage Level : 220KV			Outage Type TRIPPED		
220/7 KV 35 MVA Stn.T/F-II @ Parly	19/01/2011	16.10		Continued.	LV side E/F fire in Aux.Dist.box due to burning of 2 No.feeder.
Karad-Pedambe	26/01/2011	03.25		Continued.	R-Ph,E/F. declared faulty.
Newkoyna -Lote-Parsuram	26/01/2011	17.56	26/01/2011	20.12	Y-Ph LA Burst at Lote end.
Voltage Level : 132KV			Outage Type TRIPPED		
Chitegaon-Paithan	26/01/2011	12.35		Continued.	Y-Ph conductor Snapped.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 27/Jan/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	
Unit 2	105	
Unit 3	105	
Unit 4	105	
Unit 5	200	190
Unit 6	210	0
Unit 7	210	205
	1040	395
Bhusawal		
Unit 1	58	
Unit 2	210	180
Unit 3	210	200
	478	380
Parli		
Unit 1	30	
Unit 2	30	
Unit 3	210	150
Unit 4	210	165
Unit 5	210	160
Unit 6	250	160
Unit 7	250	60
	1190	695
Chandrapur		
Unit 1	210	140
Unit 2	210	160
Unit 3	210	200
Unit 4	210	195
Unit 5	500	475
Unit 6	500	470
Unit 7	500	480
	2340	2120
Paras		
Unit 2	55	
Unit 3	250	180
Unit 4	250	0
	555	180
Khaparkheda		
Unit 1	210	210
Unit 2	210	210
Unit 3	210	210
Unit 4	210	0
	840	630
Nasik		
Unit 1	120	90
Unit 2	120	95
Unit 3	210	195
Unit 4	210	200
Unit 5	210	200
	870	780
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Uran		
All Units	852	640

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	640
Hydro		
KDPH	40	18
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	18
BHIRA T.R.	80	80
RNGR+BHTSA	20	18
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	204
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	475
	0	475
Dabhol		
RGPPL	960	1450
	960	1450
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
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	3541
	3143	3541

	17376	7 of 7	14457
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