



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Jan/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Jan/2010 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	115.579	1875.937	1) Madhya Pradesh	63.188	852.556
2) Hydro	6.895	132.103	2) Gujrat	17.281	311.160
3) Gas	13.784	204.585	3) Goa	-6.757	-97.383
Total MSGENCO	136.258	2212.625	4) TAPS 1&2 (Inj.)	3.691	51.280
B) OTHERS			5) Pench (Excess)	-0.531	-4.703
1) RGPPL Gas	23.561	383.966	# Total Cent. Sector	76.872	1112.910
2) Wind Generation	4.695	45.405	F) Other Exchanges		
3) PENCH (MS)	0.531	4.703	1) With TPCL	-5.228	-60.894
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	20.392	322.475	1) MSEDCL Bilateral	7.152	98.574
2) TPCL Hydro	6.189	76.982	Include PX	1.241	8.686
TOTAL TPCL	26.581	399.457	2) MUMBAI Bilateral	5.400	69.906
3) REL Thermal	12.760	190.596	Include PX	2.444	37.705
D) STATE			3) MUMBAI Schedule	5.550	70.906
1) Thermal (A1+C1+C3)	148.731	2389.008	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	13.615	213.788	1) MSEDCL	236.689	3698.715
3) Gas (A3+B1)	37.345	588.551	2) TPCL	28.602	423.187
4) Wind (B2)	4.695	45.405	3) REL	15.867	227.854
TOTAL STATE	204.386	3236.752	TOTAL STATE	281.158	4349.756

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	4874	4846	4822
MSGENCO Hydro	458	726	126
MSGENCO Gas	568	568	602
MSGENCO Total Generation	5900	6140	5550
Central Sector Receipt	3267	3865	2316
RGPPL	978	981	985
WIND	197	137	256
Exchange with TPCL	-319	-429	-46
MSEDCL DEMAND MET	10045	10747	9061
Load Shedding	3273	3433	86
MSEDCL DEMAND (INCL. LS)	13318	14180	9147
TPCL GENERATION	1429	1361	597
REL GENERATION	531	531	532
TPCL+REL DEMAND	2279	2321	1175
STATE DEMAND MET	12324	13068	10236
STATE DEMAND (INCL. LS)	15597	16501	10322
Frequency (Hz)	49.75	49.71	50.26
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4184 MW At 19.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			68.25 MUS.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.46 Hz at 03.26 Hrs	49.07 Hz at 14.45 Hrs	49.83	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 15/Jan/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.65	28.02	76	54	70
Unit 2	1.35	24.28	72	37	50
Unit 3	0.00	10.30	0	0	0
Unit 4	0.66	19.04	46	14	25
Unit 5	2.74	53.92	145	58	130
Unit 6	2.91	45.77	148	85	130
Unit 7	0.00	46.91	0	0	0
	9.31	228.24			405
Bhusawal					
Unit 1	0.97	12.11	55	24	25
Unit 2	4.39	50.01	188	170	185
Unit 3	4.43	64.99	190	180	185
	9.79	127.11			395
Parli					
Unit 1	0.55	8.32	25	21	23
Unit 2	0.53	8.14	24	18	23
Unit 3	3.42	40.82	146	140	145
Unit 4	4.76	69.20	206	180	200
Unit 5	4.02	59.06	178	146	175
Unit 6	5.63	82.98	243	223	245
	18.92	268.50			811
Chandrapur					
Unit 1	3.47	50.55	152	131	150
Unit 2	0.00	50.76	0	0	0
Unit 3	4.30	58.55	197	149	210
Unit 4	4.26	51.44	202	137	210
Unit 5	10.56	155.15	455	415	450
Unit 6	10.40	150.43	446	423	450
Unit 7	10.36	151.69	455	374	450
	43.35	668.57			1920
Paras					
Unit 2	1.11	15.10	48	42	45
Unit 3	0.22	70.35	160	0	0
	1.32	85.45			45
Khaparkheda					
Unit 1	0.00	22.60	0	0	0
Unit 2	4.56	68.69	196	184	190
Unit 3	4.68	73.32	202	188	210
Unit 4	4.99	72.00	214	190	210
	14.23	236.61			610
Nasik					
Unit 1	2.14	27.69	95	81	90
Unit 2	2.22	33.33	99	85	90
Unit 3	4.86	72.22	208	199	205
Unit 4	4.76	71.23	207	190	205
Unit 5	4.69	56.99	204	183	200
	18.66	261.46			790
Uran					
All Units	13.78	204.58	603	528	600
	13.78	204.58			600
Koyna					
Stage 1-2	1.27	26.12	170	35	530
Stage 4	0.60	35.98	202	0	250
Kovna 12&4 Total	1.87	62.10			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.34	12.82	80	0	320
	2.21	74.92			1100
Hydro					
KDPH	0.47	4.64	20	19	18
VTRNA	0.53	2.80	61	0	60
TILLARI	0.38	5.54	60	0	60
BHTGR/VEER	1.30	17.31	54	54	50
BHIRA T.R.	0.31	3.74	82	0	80
RNGR+BHTSA	0.29	4.75	12	12	14
BHANDARDRA	0.00	6.03	0	0	25
ELDARY	0.00	0.71	0	0	0
PAITHAN	0.06	0.80	10	0	10
GHATGHAR	1.35	10.86	125	0	0
	4.69	57.18			317
PENCH (MS)					
Pench (MS)	0.53	4.70	54	0	
	0.53	4.70			
Wind					
MalharPeth	0.26	1.81			
Vankuswadi	0.55	4.47			
ATIT	0.13	0.91			
Kale	0.17	1.47			
Satara	0.19	1.77			
Shirala	0.19	1.62			
K Mahankal	0.11	1.26			
Supa	0.12	1.18			
Vita	0.95	8.35			
Dondaicha	1.35	13.01			
Sakri	0.27	1.79			
Nandurbar	0.10	1.46			
Khadakale	0.12	3.68			
Khaparale	0.18	2.61			
	4.70	45.40			
Dabhol					
RGPP L II	23.56	383.97	995	970	1170
RGPP L III	0.00	0.00	0	0	
	23.56	383.97			1170
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	19.68	0	0	0
Trombay 6	10.24	156.46	510	250	500
Trombay 7A	2.95	40.63	127	116	100
Trombay 7B	1.65	23.43	70	68	100
Trombay 8	5.56	82.27	250	150	230
TATA Hydro	6.19	76.98	481	0	447
	26.58	399.46			1377
REL					
1&2	12.76	190.60	533	530	500
	12.76	190.60			500
Cent Sect					
Share					3609
					3609

MS PG CL	Thermal	115.58	1875.94		4976
	Thml+Gas	129.36	2080.52		5576
	Hydro	6.90	132.10		1417
	Total	136.26	2212.62		6993
State Total		204.39	3236.75		13649

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/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	4943	120	575	5638	985	272	2694	2232	-56	-52	9075	1029	10104	1349	11453	50.14
2	4850	120	593	5563	987	280	2694	2213	-56	-51	8992	879	9871	1251	11122	50.15
3	4791	120	594	5505	985	274	2694	2213	-56	-49	8928	645	9573	1179	10752	50.18
4	4822	126	602	5550	985	256	2694	2316	-56	-46	9061	86	9147	1175	10322	50.26
5	4811	121	603	5535	984	236	2695	2423	-56	-45	9133	0	9133	1192	10325	50.07
6	4878	121	581	5580	985	241	2679	2893	-56	-44	9655	1104	10759	1307	12066	49.90
7	4900	126	582	5608	990	250	3040	2851	34	45	9744	2356	12100	1425	13525	49.82
8	4927	121	586	5634	992	250	3004	3120	34	42	10038	3116	13154	1575	14729	49.56
9	4891	209	568	5668	994	233	2955	2786	30	40	9721	3532	13253	1807	15060	49.86
10	4911	251	538	5700	995	222	3289	3280	-266	-254	9943	3501	13444	2133	15577	49.82
11	4906	385	551	5842	980	230	3395	3262	-275	-265	10049	3154	13203	2214	15417	49.78
12	4874	458	568	5900	978	197	3439	3267	-328	-319	10045	3273	13318	2279	15597	49.75
13	4872	258	566	5696	971	158	3436	3364	-328	-319	9912	3151	13063	2267	15330	49.54
14	4805	246	571	5622	977	142	3434	3492	-328	-322	9964	3149	13113	2220	15333	49.79
15	4853	266	567	5686	971	126	3434	3627	-328	-319	10144	3281	13425	2213	15638	49.58
16	4790	380	563	5733	973	133	3432	3455	-378	-367	9980	3133	13113	2257	15370	49.50
17	4761	536	571	5868	985	123	3435	3650	-378	-366	10314	3132	13446	2262	15708	49.67
18	4701	456	602	5759	984	123	3448	3856	-378	-356	10419	2771	13190	2182	15372	49.74
19	4699	711	593	6003	980	136	3298	3997	-450	-423	10747	3235	13982	2313	16295	49.73
20	4846	726	568	6140	981	137	3421	3865	-450	-429	10747	3433	14180	2321	16501	49.71
21	4796	569	562	5927	982	163	3332	3911	-356	-311	10719	3150	13869	2149	16018	49.75
22	4731	219	594	5544	972	166	3334	3905	-356	-306	10308	3179	13487	1997	15484	50.02
23	4632	130	528	5290	970	179	3199	3479	-356	-403	9525	2971	12496	1843	14339	49.59
24	4569	120	558	5247	975	168	3055	3415	-356	-309	9506	2076	11582	1659	13241	49.97
MUs	115.56	6.90	13.78	136.24	23.56	4.70	75.53	76.87	-5.55	-5.23	236.67	59.34	296.00	44.57	340.57	49.83

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 15/Jan/2010

Position as on 6.30 Hrs of 16/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
Koyna Unit 2	75	03/01/2010	08:00		Continued.	checking bearing vibration & realignment work.	19/01/2010
Khaparkhedda 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
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
Dabhol 1B	230	22/01/2009	12.05	15/01/2010	02.37	BHMS Installation work	
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Uran Unit 3	60	05/07/2009	21.12		Continued.	Stator Earth Fault	
Tata Trombay 4	150	01/12/2009	19:16		Continued.	Low Demand.	
Cent_Sect Tarapur 1	80	09/12/2009	09:22		Continued.	Condenser Tube Leakage.	02/02/2010
Koradi Unit 7	210	13/01/2010	21:53		Continued.	Tripped on AC O/V at Excitation Trf.	17/01/2010
Chandrapur Unit 2	210	14/01/2010	07.54		Continued.	Economiser tube leakage.	18/01/2010
Dabhol 1A	230	14/01/2010	10.00		Continued.	Fro commissioning of 1B.	16/01/2010
Dabhol 1X	290	14/01/2010	10.00		Continued.	For commissioning of 1B.	16/01/2010
Paras Unit 3	250	15/01/2010	01.30		Continued.	Economiser tube leakage.	19/01/2010
Uran Unit 5	108	15/01/2010	09.02	15/01/2010	09.20	Bearing Vibration.	
Dabhol 1B	230	15/01/2010	20.37		Continued.	W/D,Commissioning Work.	16/01/2010
Cent_Sect NTPC(V-7)	500	15/01/2010	22:05		Continued.	BOILER TUBE LEAKAGE	
Uran Unit 5	108	15/01/2010	23.40	16/01/2010	00.24	Boiler Damper Problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Jan/2010

Position as on 6.30 Hrs of 16/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Akola - Aurangabad - I	13/01/2010	09:58		Continued.	H/T for Normal change over.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Padgha - Boisar (PGCIL)	15/01/2010	10.21	15/01/2010	15.21	Q.M.Work.
Kamba - Kolshet	15/01/2010	10.47	15/01/2010	18.03	R.M.Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - I	12/01/2010	12.56		Continued.	H/T as per PGCIL request.
Dhule-Sar'Sarovar - II	12/01/2010	22.22		Continued.	H/T for O/V.
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur-Mapusa-II	15/01/2010	00.01	15/01/2010	09.20	H/T for O/V
Voltage Level : 220KV			Outage Type TRIPPED		
Padgha - Boisar (PGCIL)	15/01/2010	17.22	15/01/2010	18.36	Distanace Protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 315 MVA ICT - II @ Koradi.	04/01/2010	10.38		Continued.	400KV Main Breaker Overhaul. H.V.side of ICT on TBC
400 KV Bus Coupler at Parli.	14/01/2010	09.16	15/01/2010	16.59	Replacement of fixed contact.
315 MVA ICT-1 Chandrapur	15/01/2010	08.37	15/01/2010	17.54	Testing Work.
400/220KV 315MVA ICT-I at Kharghar	15/01/2010	09.03	15/01/2010	19.40	Retrofitting of Relay.
400/220KV ICT-II at Padgha	15/01/2010	10.47	15/01/2010	18.36	Q.M. Work.
Dabhol-NewKoyna-II	15/01/2010	11.38	15/01/2010	17.24	Detection of SF-6 Gas Leakage,Taken on TBC.
Kalwa-Kharghar	15/01/2010	12.39		Continued.	Breaker Overhauling Work, Line on TBC.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 125 MVA ICT-II at Kalwa	01/05/2009	07:45		Continued.	Repair Work
Chinchwad - Telco	14/01/2010	08.27		Continued.	Dismanteling of 2 Nos of towers,erection of towers and restringing work at Loc.No.32 and 33.
Chinchwad-Bhosari	14/01/2010	08.28		Continued.	Dismanteling of 2 Nos.of towers,erection of towers and restringing work at Lo.No.32 and 33.
Uran - JNPT	15/01/2010	09.18	15/01/2010	17.35	R.M.Work.
Bhugaon - LLOYD - I	15/01/2010	09.20	15/01/2010	19.55	Installation of C T & P T @ LLOYD End.
220/22 KV ICT - IV @ Colorchem	15/01/2010	10.04	15/01/2010	18.50	Tandelta Measurment Work.
220/22 KV, 50 MVA T/F-II @ Kalwa	15/01/2010	10.16	15/01/2010	13.40	Testing Work.
Boiser-PGCIL-I	15/01/2010	10.49	15/01/2010	13.58	R.M.Work.
150 MVA 220/132 KV ICT @ Bhandara	15/01/2010	11.15	15/01/2010	18.55	C.T.Tandelta Measurment Work.
220/132kv 100MVA ICT-III at padegaon	15/01/2010	11.35	15/01/2010	15.20	Q.M.Work.
220/132 KV 150MVA ICT at Dhule	15/01/2010	12.05	15/01/2010	15.55	Replacement of C.T.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Jan/2010

Position as on 6.30 Hrs of 16/Jan/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Aarey-Versova-II	15/01/2010	13.47	15/01/2010	16.18	Maintenance Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Boiser - Viraj	15/01/2010	09.58	15/01/2010	20.14	Conductor Replacement Work.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kalwa-Washi	15/01/2010	06.31	15/01/2010	10.10	Jumper Replacement Work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Arey-Versova I	15/01/2010	11.08	15/01/2010	13.32	To Attend Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	07/01/2010	18.04		Continued.	Hand Tripped To Control Over Voltage.
Parli-Lonikand - II	15/01/2010	20.02	15/01/2010	20.07	50 MVAR Reactor Taken in Service.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Badnera	15/01/2010	22.00		Continued.	Hand Tripped to Control Load @ Akola ICT
Voltage Level : 400KV			Outage Type TRIPPED		
Lonikand - Chakan	15/01/2010	00.20	15/01/2010	19.13	Tripped on O/V.
Lonikand - Chakan	15/01/2010	19.20		Continued.	Tripped on Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Lamboti - Pandharpur	14/01/2010	20.56		Continued.	Conductor Snapped.
Nasik - Ghatghar	15/01/2010	00.14	15/01/2010	00.39	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Jan/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	40
Unit 3	105	0
Unit 4	105	50
Unit 5	200	120
Unit 6	210	140
Unit 7	210	0
	1040	420
Bhusawal		
Unit 1	58	50
Unit 2	210	190
Unit 3	210	185
	478	425
Parli		
Unit 1	30	23
Unit 2	30	23
Unit 3	210	145
Unit 4	210	200
Unit 5	210	180
Unit 6	250	240
	940	811
Chandrapur		
Unit 1	210	150
Unit 2	210	0
Unit 3	210	200
Unit 4	210	200
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	1900
Paras		
Unit 2	55	48
Unit 3	250	0
	305	48
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	205
	870	805
Uran		
All Units	852	600
	852	600
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	320
	1920	1100
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	18
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	50
BHIRA T.R.	80	80
RNGR+BHTSA	20	14
BHANDARDRA	45	25
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	317
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	934
RGPPPL III	740	0
	1700	934
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	3201
	3143	3201