



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Dec/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 19/Dec/2009 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	124.450	2267.980	1) Madhya Pradesh	58.580	1268.092
2) Hydro	7.474	160.209	2) Gujrat	19.032	338.854
3) Gas	15.398	276.116	3) Goa	-5.964	-118.116
Total MSGENCO	147.322	2704.305	4) TAPS 1&2 (Inj.)	3.643	100.626
B) OTHERS			5) Pench (Excess)	0.000	-1.668
1) RGPPL Gas	15.244	352.096	# Total Cent. Sector	75.291	1587.788
2) Wind Generation	4.879	45.194	F) Other Exchanges		
3) PENCH (MS)	0.000	1.668	1) With TPCL	-4.399	-79.732
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	24.377	472.922	1) MSEDCL Bilateral	6.131	110.286
2) TPCL Hydro	4.759	94.964	Include PX	1.230	63.038
TOTAL TPCL	29.136	567.886	2) MUMBAI Bilateral	5.134	95.299
3) REL Thermal	12.729	241.653	Include PX	0.023	5.057
D) STATE			3) MUMBAI Schedule	5.134	95.299
1) Thermal (A1+C1+C3)	161.556	2982.555	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	12.233	256.841	1) MSEDCL	238.337	4611.319
3) Gas (A3+B1)	30.642	628.212	2) TPCL	30.223	583.608
4) Wind (B2)	4.879	45.194	3) REL	16.035	305.629
TOTAL STATE	209.310	3912.802	TOTAL STATE	284.595	5500.556

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5086	5107	5208
MSGENCO Hydro	221	1506	108
MSGENCO Gas	640	640	645
MSGENCO Total Generation	5947	7253	5961
Central Sector Receipt	3402	3318	2360
RGPPL	630	636	642
WIND	279	144	193
Exchange with TPCL	-297	-347	-7
MSEDCL DEMAND MET	9961	11004	9149
Load Shedding	3242	3352	1551
MSEDCL DEMAND (INCL. LS)	13203	14356	10700
TPCL GENERATION	1527	1459	819
REL GENERATION	528	528	532
TPCL+REL DEMAND	2352	2334	1358
STATE DEMAND MET	12313	13338	10507
STATE DEMAND (INCL. LS)	15555	16690	12058
Frequency (Hz)	49.64	49.55	50.13
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4261 MW AT 19.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			69.99 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.31 Hz at 05.06 Hrs	49.12 Hz at 16.51 Hrs	49.72	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 19/Dec/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.68	25.98	79	61	70
Unit 2	1.56	31.78	74	47	60
Unit 3	1.63	28.80	81	42	65
Unit 4	1.75	11.77	82	55	75
Unit 5	4.09	66.62	175	164	170
Unit 6	0.01	40.16	13	0	0
Unit 7	4.32	75.06	191	160	180
	15.04	280.17			620
Bhusawal					
Unit 1	1.26	20.80	55	50	52
Unit 2	4.11	64.00	179	158	160
Unit 3	4.45	82.94	190	175	190
	9.82	167.75			402
Parli					
Unit 1	0.56	9.99	26	20	20
Unit 2	0.52	10.62	25	17	20
Unit 3	4.08	75.22	183	146	170
Unit 4	4.77	88.65	212	175	200
Unit 5	4.25	68.32	192	155	180
Unit 6	5.01	93.13	227	199	220
	19.19	345.93			810
Chandrapur					
Unit 1	3.55	68.15	150	144	160
Unit 2	3.60	70.48	160	136	160
Unit 3	3.48	68.26	186	118	160
Unit 4	3.31	73.47	165	100	200
Unit 5	9.54	158.26	415	378	450
Unit 6	9.19	161.92	407	330	450
Unit 7	9.90	188.82	435	380	450
	42.58	789.35			2030
Paras					
Unit 2	0.63	9.55	27	25	25
Unit 3	3.76	88.79	230	93	215
	4.39	98.34			240
Khaparkheda					
Unit 1	4.58	86.02	203	173	190
Unit 2	4.55	80.43	200	182	190
Unit 3	4.95	82.21	214	191	210
Unit 4	5.07	88.72	215	206	210
	19.15	337.38			800
Nasik					
Unit 1	2.32	42.48	101	93	90
Unit 2	2.29	41.60	104	90	97
Unit 3	4.88	80.95	208	196	205
Unit 4	4.79	84.06	205	189	198
Unit 5	0.00	0.00	0	0	0
	14.28	249.07			590
Uran					
All Units	15.40	276.12	662	622	630
	15.40	276.12			630
Koyna					
Stage 1-2	1.18	36.03	145	30	460
Stage 4	2.56	54.24	1011	0	250
Koyna 12&4 Total	3.73	90.26			710

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.55	19.29	230	0	240
	4.28	109.56			950
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.38	7.18	59	0	60
BHTGR/VEER	1.30	16.83	54	54	42
BHIRA T.R.	0.26	5.14	42	0	42
RNGR+BHTSA	0.61	6.27	26	24	15
BHANDARDRA	0.00	0.05	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.97	10	0	10
GHATGHAR	0.60	14.21	125	0	0
	3.19	50.65			169
PENCH (MS)					
Pench (MS)	0.00	1.67	0	0	
	0.00	1.67			
Wind					
MalharPeth	0.28	2.55			
Vankuswadi	0.72	6.99			
ATIT	0.08	1.28			
Kale	0.20	1.98			
Satara	0.58	3.00			
Shirala	0.17	1.96			
K Mahankal	0.01	1.03			
Supa	0.10	0.99			
Vita	0.93	10.94			
Dondaicha	0.98	6.34			
Sakri	0.09	1.28			
Nandurbar	0.10	0.74			
Khadakale	0.30	3.30			
Khaparale	0.36	2.81			
	4.88	45.19			
Dabhol					
RGPP L II	15.24	352.10	644	620	573
RGPP L III		0.00			
	15.24	352.10			573
Tata					
Trombay 4	0.00	1.83	0	0	0
Trombay 5	12.00	215.31	500	500	500
Trombay 6	8.89	176.76	510	150	500
Trombay 7A	1.98	49.70	105	59	110
Trombay 7B	1.33	29.14	65	45	70
Trombay 8	0.18	0.18	50	0	0
TATA Hydro	4.76	94.96	481	0	447
	29.14	567.89			1627
REL					
1&2	12.73	241.65	534	518	500
	12.73	241.65			500
Cent Sect					
Share		0.00			3162
		0.00			3162

MS PG CL	Thermal	124.45	2267.98		5492
	Thml+Gas	139.85	2544.10		6122
	Hydro	7.47	160.21		1119
	Total	147.32	2704.30		7241
State Total		209.31	3912.80		13103

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/Dec/2009

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	5285	108	642	6035	641	171	2500	2468	-49	-10	9305	1802	11107	1579	12686	50.02
2	5262	113	642	6017	642	201	2500	2403	-49	-7	9256	1794	11050	1426	12476	50.02
3	5208	108	645	5961	642	193	2500	2360	-49	-7	9149	1551	10700	1358	12058	50.13
4	5198	108	646	5952	644	200	2500	2234	-49	-10	9020	1766	10786	1357	12143	50.19
5	5226	113	643	5982	641	221	2500	2232	-49	-16	9060	1748	10808	1363	12171	49.90
6	5213	108	646	5967	641	241	2622	2716	-49	-16	9549	1902	11451	1413	12864	49.71
7	5214	110	646	5970	640	274	3011	2758	-68	-33	9609	2364	11973	1521	13494	49.75
8	5290	110	662	6062	639	266	3005	2968	-68	-44	9891	2566	12457	1619	14076	49.56
9	5299	122	654	6075	637	237	2966	2928	-71	-35	9842	2834	12676	1797	14473	49.52
10	5280	222	649	6151	639	268	3250	3068	-286	-248	9878	2984	12862	2087	14949	49.84
11	5245	219	650	6114	635	321	3290	3404	-330	-291	10183	2814	12997	2273	15270	49.79
12	5086	221	640	5947	630	279	3294	3402	-330	-297	9961	3242	13203	2352	15555	49.64
13	5107	110	630	5847	624	204	3310	3521	-331	-306	9890	3133	13023	2328	15351	49.52
14	5095	129	638	5862	625	183	3309	3724	-331	-312	10082	3133	13215	2216	15431	49.67
15	5088	330	622	6040	622	130	3308	3689	-331	-311	10170	3151	13321	2236	15557	49.48
16	5074	293	628	5995	620	140	3309	3734	-331	-308	10181	3018	13199	2206	15405	49.41
17	5092	388	634	6114	625	119	3310	3755	-331	-312	10301	3043	13344	2233	15577	49.46
18	5104	898	626	6628	629	106	3275	3569	-331	-329	10603	2905	13508	2219	15727	49.43
19	5107	1506	640	7253	636	144	2885	3318	-331	-347	11004	3352	14356	2334	16690	49.55
20	5191	1154	634	6979	636	187	2924	3353	-331	-320	10835	3419	14254	2329	16583	49.58
21	5236	601	638	6475	638	217	2952	3688	-331	-284	10734	3075	13809	2242	16051	49.66
22	5219	138	647	6004	638	207	2982	3587	-331	-280	10156	3104	13260	2108	15368	49.84
23	5174	155	646	5975	639	191	2880	3303	-243	-199	9909	2902	12811	1935	14746	49.69
24	5157	110	650	5917	641	182	2695	3109	-130	-77	9772	2109	11881	1733	13614	49.90
MUs	124.45	7.47	15.40	147.32	15.24	4.88	71.08	75.29	-5.13	-4.40	238.34	63.71	302.05	46.26	348.32	49.72

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 19/Dec/2009

Position as on 6.30 Hrs of 20/Dec/2009

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 8	250	25/11/2009	00:35	19/12/2009	16.08	Performance Guarantee Test	
Nasik Unit 5	210	25/11/2009	01:50		Continued.	AOH	22/12/2009
Koyna Unit 3	75	06/12/2009	05.45		Continued.	Pressure Shaft Problem.	22/12/2009
Koyna Unit 4	75	06/12/2009	06.30		Continued.	Pressure Shaft Problem.	22/12/2009
Koyna Unit 10	80	06/12/2009	11.00		Continued.	Retrofitting of Excitation System.	06/01/2010
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	22/12/2009
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		Continued.	BHMS Installation work	07/01/2010
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.	20/12/2009
Dabhol 3B	230	10/12/2009	23.34		Continued.	Combustion Chamber Inspection.	23/12/2009
Dabhol 3X	290	10/12/2009	23.35		Continued.	Combustion Chamber Inspection.	23/12/2009
Koradi Unit 6	210	12/12/2009	01.40	19/12/2009	23.17	Boiler T/L	
Tata Trombay 8	250	19/12/2009	19.38	19/12/2009	23:42	w/dn for Load throw Test	20/12/2009
Parli Unit 3	210	20/12/2009	01.56		Continued.	Boiler Tube Leakage	23/12/2009
Tata Trombay 8	250	20/12/2009	19.01	20/12/2009	22.25	Turbine Trip.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Dec/2009

Position as on 6.30 Hrs of 20/Dec/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - II	16/12/2009	13:00		Continued.	H/T.
Kolhapur-Mapusa-II	19/12/2009	23.50		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Akola-Aurangabad--II	17/12/2009	04.01		Continued.	Tripped On O/V.
DHULE-SAR'SAROVAR-I	17/12/2009	17.08		Continued.	Tower 3 and 4 Collapsed.
Dhule-Sar'Sarovar II	17/12/2009	22:33		Continued.	Tower 3 and 4 Collapsed.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
PADGHA-KHARGHAR	08/12/2009	10.52		Continued.	Line on TBC at Kharghar end for CB overhauling work.
Main Bus-I at Jejuri	17/12/2009	11.45	19/12/2009	16.36	Testing & precommissioning work of ICT-II
Karad-Lonikand.	19/12/2009	04.39	19/12/2009	09.41	Relay & Termination Work of 80 MVAR Reactor.
Padgha - HVDC AC Ckt - II	19/12/2009	09.57	19/12/2009	18.34	Taken on TBC to attend Hot Spot
Padgha-Lonikhand	19/12/2009	10.25		Continued.	LILO work at Chakan
Koradi - Akola	20/12/2009	07.57	20/12/2009	09.59	Regularisation of Cables.
New Koyna - Karad - I	20/12/2009	15.30	20/12/2009	16.37	For SF6 Gas Refilling.,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
220/132 KV,200MVA ICT at Chinchwad	05/12/2009	12:18	19/12/2009	21:51	ICT DGA LOW & INTERNAL FAULT. REPLACEMENT CARRIED OUT.
Main Bus - I at Talangade	14/12/2009	14.05	19/12/2009	11.03	To attend Red Hot
Bus Section-III at Nasik GCR	17/12/2009	10.55		Continued.	Replacement of Breaker
220/100 125 MVA ICT - II @ Trombay	19/12/2009	00.27		Continued.	Kept on Humming from HV side
Pedambe-Newkoyna	19/12/2009	08.05	19/12/2009	14.50	Q.M.Work
Nasik-Bablsr Ckt II	19/12/2009	09.12	19/12/2009	19.19	Fixing of vibration damper
PEDAMBE-TAMBATI	20/12/2009	08.15	20/12/2009	16.40	C.T.Meggering Work.
KALWA-SALSETE-III	20/12/2009	09.03	20/12/2009	22.40	Conductor Replacement Work.
220 KV Main Bus - II @ 400 KV Kalwa	20/12/2009	09.20		Continued.	Replacement of PT's Under LES & Maint.Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Solapur - Ujani	20/11/2009	09.40		Continued.	Breaker replacement
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kalwa-Salshet ckt-II	19/12/2009	08.42	19/12/2009	16.56	Insulator replacement work
Kandalgaon-Roha-I	19/12/2009	09.30	19/12/2009	17.35	Insulator replacement
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Dhule - Babhaleshwar - I	18/12/2009	23.14		Continued.	To attend Main CB compressor air leakage,taken on TBC
Voltage Level : 132KV			Outage Type FORCED OUTAGE		
25 MVA 132/66 KV ICT @ Paras	20/12/2009	18.59	20/12/2009	19.09	To Attend Hot Glow on R ph Isolator.
Voltage Level : 400KV			Outage Type HAND TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Dec/2009

Position as on 6.30 Hrs of 20/Dec/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Main Bus-I at Dhule	17/12/2009	19.22		Continued.	H/T for isolating Bus-I at Dhule
Bus Coupler at Dhule	17/12/2009	19.22		Continued.	H/T for Isolating Bus-I at Dhule
Bhusawal- Aurangabad	18/12/2009	05.13	19/12/2009	14.00	H/T To Control A'bad ICT loading, charged from A'Bad end
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Aurangabad - Bhenda	12/12/2009	09.39		Continued.	H/T at A'Bad to control ICT loading
Voltage Level : 220KV			Outage Type TRIPPED		
K'gaon-Lonand	19/12/2009	14.32	19/12/2009	14.54	Distance protection
Voltage Level : 132KV			Outage Type TRIPPED		
Giravali-Gangakhed	20/12/2009	00.08	20/12/2009	00.19	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 20/Dec/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	75
Unit 4	105	75
Unit 5	200	170
Unit 6	210	60
Unit 7	210	180
	1040	700
Bhusawal		
Unit 1	58	52
Unit 2	210	180
Unit 3	210	190
	478	422
Parli		
Unit 1	30	23
Unit 2	30	18
Unit 3	210	0
Unit 4	210	200
Unit 5	210	180
Unit 6	250	200
	940	621
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	175
Unit 4	210	160
Unit 5	500	450
Unit 6	500	400
Unit 7	500	450
	2340	1955
Paras		
Unit 2	55	25
Unit 3	250	115
	305	140
Khaparkheda		
Unit 1	210	190
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
	840	800
Nasik		
Unit 1	120	100
Unit 2	120	100
Unit 3	210	207
Unit 4	210	197
Unit 5	210	0
	870	604
Uran		
All Units	852	650
	852	650
Koyna		
Stage 1-2	600	460
Stage 4	1000	250
Stage 3	320	240
	1920	950
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	42
BHIRA T.R.	80	42
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	169
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		
RGPL II	960	573
RGPL III	740	
	1700	573
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	150
TATA Hydro	444	447
	2024	1777
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	2678
	3143	2678