



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Nov/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Nov/2009 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	110.375	1623.830	1) Madhya Pradesh	64.720	890.798
2) Hydro	3.428	249.930	2) Gujrat	7.162	220.115
3) Gas	11.812	214.595	3) Goa	-4.628	-93.251
Total MSGENCO	125.615	2088.355	4) TAPS 1&2 (Inj.)	7.335	108.668
B) OTHERS			5) Pench (Excess)	-0.142	0.110
1) RGPPL Gas	22.886	329.465	# Total Cent. Sector	74.447	1126.440
2) Wind Generation	1.533	98.849	F) Other Exchanges		
3) PENCH (MS)	0.142	10.398	1) With TPCL	-4.624	-96.555
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	28.416	451.024	1) MSEDCL Bilateral	2.434	49.514
2) TPCL Hydro	0.027	63.566	Include PX	0.000	7.152
TOTAL TPCL	28.443	514.590	2) MUMBAI Bilateral	5.492	104.052
3) REL Thermal	6.391	102.177	Include PX	0.000	19.496
D) STATE			3) MUMBAI Schedule	5.492	109.162
1) Thermal (A1+C1+C3)	145.182	2177.031	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	3.597	323.894	1) MSEDCL	219.999	3556.952
3) Gas (A3+B1)	34.698	544.060	2) TPCL	25.860	473.891
4) Wind (B2)	1.533	98.849	3) REL	13.538	239.383
TOTAL STATE	185.010	3143.834	TOTAL STATE	259.397	4270.226

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4605	4706	4651
MSGENCO Hydro	144	330	85
MSGENCO Gas	484	500	494
MSGENCO Total Generation	5233	5536	5230
Central Sector Receipt	3222	3444	2244
RGPPL	953	954	956
WIND	48	62	61
Exchange with TPCL	-273	-275	-50
MSEDCL DEMAND MET	9183	9774	8441
Load Shedding	1293	2107	62
MSEDCL DEMAND (INCL. LS)	10476	11881	8503
TPCL GENERATION	1188	1439	1061
REL GENERATION	265	265	268
TPCL+REL DEMAND	1726	1979	1379
STATE DEMAND MET	10909	11753	9820
STATE DEMAND (INCL. LS)	12202	13860	9882
Frequency (Hz)	49.93	50.07	50.09
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			2574 MW AT 20.00 HRS
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			34.64 MUS

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.54 Hz at 06.03 Hrs	49.45 Hz at 21.03 Hrs	50	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/Nov/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.81	28.54	90	59	70
Unit 2	0.00	9.03	0	0	0
Unit 3	1.62	18.44	77	48	75
Unit 4	1.78	23.30	87	55	75
Unit 5	3.30	38.89	156	52	160
Unit 6	3.63	50.53	163	131	160
Unit 7	3.80	51.00	177	138	140
	15.95	219.72			680
Bhusawal					
Unit 1	1.19	9.58	55	44	50
Unit 2	4.04	61.52	180	150	160
Unit 3	0.00	58.96	0	0	0
	5.23	130.06			210
Parli					
Unit 1	0.56	8.44	24	21	20
Unit 2	0.55	7.18	24	21	20
Unit 3	3.85	48.42	175	146	165
Unit 4	4.57	65.78	210	175	200
Unit 5	3.96	60.11	178	140	160
Unit 6	0.00	0.00	0	0	0
	13.50	189.93			565
Chandrapur					
Unit 1	3.79	57.30	165	151	170
Unit 2	3.79	46.77	172	138	170
Unit 3	3.99	50.76	172	157	210
Unit 4	3.62	58.60	166	125	210
Unit 5	8.35	121.66	375	305	450
Unit 6	8.40	135.09	380	305	425
Unit 7	8.58	130.64	391	318	425
	40.53	600.81			2060
Paras					
Unit 2	0.00	0.00	0	0	0
Unit 3	4.80	72.95	220	186	202
	4.80	72.95			202
Khaparkheda					
Unit 1	4.40	47.69	187	178	180
Unit 2	4.50	52.08	196	172	190
Unit 3	0.00	0.00	0	0	0
Unit 4	5.08	67.77	213	208	210
	13.98	167.55			580
Nasik					
Unit 1	1.97	29.51	93	64	80
Unit 2	1.84	25.49	92	58	95
Unit 3	4.26	67.72	192	166	180
Unit 4	4.30	58.02	188	164	180
Unit 5	4.03	62.07	178	154	185
	16.39	242.81			720
Uran					
All Units	11.81	214.60	505	474	480
	11.81	214.60			480
Koyna					
Stage 1-2	0.88	33.80	95	25	600
Stage 4	0.11	139.13	106	0	250
Koyna 12&4 Total	0.99	172.93			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	0.50	36.29	160	0	320
	1.50	209.22			1170
Hydro					
KDPH	0.00	3.62	0	0	0
VTRNA	0.00	0.00	0	0	40
TILLARI	0.52	6.64	59	0	60
BHTGR/VEER	0.96	12.54	40	40	40
BHIRA T.R.	0.04	4.14	24	0	55
RNGR+BHTSA	0.36	4.73	15	15	5
BHANDARDRA	0.00	3.78	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	0.78	10	0	10
GHATGHAR	0.00	4.48	0	0	0
	1.93	40.71			210
PENCH (MS)					
Pench (MS)	0.14	10.40	53	0	0
	0.14	10.40			0
Wind					
MalharPeth	0.10	7.39			
Vankuswadi	0.33	16.01			
ATIT	0.09	4.14			
Kale	0.08	6.83			
Satara	0.08	6.66			
Shirala	0.08	5.66			
K Mahankal	0.03	4.80			
Supa	0.05	1.70			
Vita	0.41	17.43			
Dondaicha	0.14	12.55			
Sakri	0.02	1.72			
Nandurbar	0.02	1.15			
Khadakale	0.05	6.86			
Khaparale	0.04	5.96			
	1.53	98.85			
Dabhol					
RGPP L II	22.89	329.46	957	949	900
RGPP L III	0.00	0.00	0	0	
	22.89	329.46			900
Tata					
Trombay 4	2.58	7.34	122	95	100
Trombay 5	10.57	142.66	450	350	500
Trombay 6	5.63	149.34	430	150	500
Trombay 7A	2.96	42.08	127	120	110
Trombay 7B	1.64	23.75	69	67	110
Trombay 8	5.04	85.85	251	180	210
TATA Hydro	0.03	63.57	27	0	447
	28.44	514.59			1977
REL					
1&2	6.39	102.18	268	264	250
	6.39	102.18			250
Cent Sect					
Share					3118
					3118

MS PG CL	Thermal	110.38	1623.83		5017
	Thml+Gas	122.19	1838.42		5497
	Hydro	3.43	249.93		1380
	Total	125.62	2088.36		6877
State Total		185.01	3143.83		13122

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/Nov/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	4520	85	493	5098	956	66	2505	2815	-82	-38	8897	805	9702	1551	11253	50.06
2	4571	85	494	5150	954	64	2476	2401	-82	-48	8521	664	9185	1471	10656	50.10
3	4651	85	494	5230	956	61	2476	2244	-82	-50	8441	62	8503	1379	9882	50.09
4	4592	90	493	5175	956	75	2476	2428	-82	-65	8569	0	8569	1342	9911	49.97
5	4596	80	491	5167	957	88	2478	2559	-82	-67	8704	114	8818	1304	10122	49.89
6	4648	85	494	5227	957	89	2476	2878	-82	-65	9086	677	9763	1351	11114	49.90
7	4659	95	505	5259	955	75	2471	2450	-82	-44	8695	1240	9935	1406	11341	50.13
8	4663	85	505	5253	955	47	2669	2865	-91	-64	9056	1069	10125	1452	11577	50.12
9	4558	124	503	5185	956	40	2672	3433	-95	-59	9555	957	10512	1517	12029	50.01
10	4546	153	493	5192	954	40	2839	3382	-307	-272	9296	1076	10372	1665	12037	49.86
11	4549	151	488	5188	953	40	2799	3276	-307	-274	9183	1188	10371	1713	12084	49.87
12	4605	144	484	5233	953	48	2799	3222	-307	-273	9183	1293	10476	1726	12202	49.93
13	4617	85	480	5182	952	83	2799	3184	-309	-276	9125	1168	10293	1752	12045	50.00
14	4590	85	477	5152	951	76	2799	3237	-309	-278	9138	952	10090	1755	11845	50.07
15	4563	105	474	5142	951	50	2799	3294	-309	-277	9160	930	10090	1745	11835	50.03
16	4454	150	477	5081	949	54	2796	3615	-309	-277	9422	818	10240	1695	11935	50.01
17	4459	90	482	5031	949	54	2796	3698	-309	-276	9456	833	10289	1691	11980	50.05
18	4535	102	490	5127	949	63	2801	3631	-323	-289	9481	1437	10918	1711	12629	49.79
19	4652	468	496	5616	952	51	2946	3620	-323	-292	9961	2050	12011	1841	13852	50.03
20	4706	330	500	5536	954	62	2807	3444	-323	-275	9774	2107	11881	1979	13860	50.07
21	4662	291	500	5453	955	69	2845	3577	-323	-267	9840	1828	11668	1952	13620	49.99
22	4680	209	497	5386	954	78	2799	3325	-323	-268	9497	1831	11328	1888	13216	49.87
23	4675	121	498	5294	955	66	2795	3050	-341	-285	9080	1834	10914	1835	12749	49.92
24	4624	130	504	5258	953	94	2771	2819	-309	-245	8879	1402	10281	1737	12018	50.17
MUs	110.38	3.43	11.81	125.62	22.89	1.53	64.89	74.45	-5.49	-4.62	220.00	26.34	246.33	39.46	285.79	50.00

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/Nov/2009

Position as on 6.30 Hrs of 16/Nov/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
Paras Unit 2	55	11/10/2009	13:29		Continued.	AOH.	18/11/2009
Khaparkheda Unit 3	210	23/10/2009	23.59		Continued.	Annual Overhaul	16/11/2009
Parli Unit 6	250	31/10/2009	13.01		Continued.	Hydrogen Leakage.	18/11/2009
REL 2	250	02/11/2009	03.06		Continued.	Annual Overhaul	25/11/2009
FORCED OUTAGE							
Dabhol 2A	230	19/01/2008	02.40		Continued.	Tripped	30/11/2009
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	
Koradi Unit 2	105	06/11/2009	21.23		Continued.	E.S.P. work	19/11/2009
Uran Unit 7	108	14/11/2009	00.02		Continued.	Filter replacement	19/11/2009
Bhusawal Unit 3	210	14/11/2009	23.30		Continued.	Boiler Tube Leakage	17/11/2009
Cent_Sect NTPC(V-6)	210	15/11/2009	01.20		Continued.	Boiler Inspection work	18/11/2009

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Nov/2009

Position as on 6.30 Hrs of 16/Nov/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
TILLARY-PHONDA	12/11/2009	09.50		Continued.	PLCC work at Amona Stn.(4 days)
Voltage Level : 400KV			Outage Type HAND TRIPPED		
WARDHA-AKOLA-II	24/10/2009	16.46		Continued.	H/T due to over voltage
Chandrapur-Bhadravti - I	05/11/2009	10.07		Continued.	H/T To control C'pur-Parli line loading.
Dhule-Sar'Sarovar II	09/11/2009	10:48		Continued.	H/T for O/V.
Wardha - Akola - I	11/11/2009	02.40		Continued.	H/T for O/V.
Seoni - Wardha	11/11/2009	02.41		Continued.	H/T for O/V.
Kolhapur-Mapusa Ckt I	14/11/2009	23.00	15/11/2009	10:00	H/T for O/V
KOLHAPUR-MAPUSA-II	15/11/2009	23:05	16/11/2009	10:06	H/T for O/V.
Kolhapur-Mapusa Ckt I	16/11/2009	20:03		Continued.	H/T for O/V.
Voltage Level : 220KV			Outage Type TRIPPED		
TARAPUR-BORIVALI	15/11/2009	16:48	16/11/2009	10:21	Tripped, Dist. Protn.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/132KV,200 MVA ICT-II at Bhusawal	26/10/2009	09.32		Continued.	Over hauling work.
Parli-Lonikand - II	16/11/2009	09:02		Continued.	Replacement of nitrogen accumulator of CB.
400/220kv 315MVA ICT-II at Kolhapur	16/11/2009	10:19	16/11/2009	17:13	Q.M. Work.
KALWA-LONIKAND	16/11/2009	11:31	16/11/2009	16:24	For Attending Hot Spot taken on TBC.
Bhusawal- Aurangabad	16/11/2009	11:36	16/11/2009	14:28	Breaker Maint.Work, Line taken 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
220KV Bus Section - I at Nasik GCR	13/11/2009	08.02	15/11/2009	13:27	Breaker and C.T.Replacement
Dahanu - Ghodbandar - I	15/11/2009	09.45	15/11/2009	17.39	Annual Maintenance.
Nagothane-MSL	16/11/2009	10:28	16/11/2009	18:08	Q.M. Work.
PEDAMBE-TAMBATI	16/11/2009	10:40	16/11/2009	14:15	Taurvs Measurment.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Bhandara-Tekepar	29/10/2009	09.13		Continued.	Breaker Replacement.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
PADGHA-KHARGHAR	15/11/2009	08:30	15/11/2009	17:53	Y Ph CVT Repl.
Dabhol-New Koyna-I	16/11/2009	11:15	16/11/2009	11:49	For SF6 Glas Filling line taken on TBC.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
C'pur-Parli II	04/11/2009	18.20		Continued.	Land Sliding at Loc.No 78 at Borgaon,Tal-Wani.
Parli-Lonikand -I	10/11/2009	22:06	16/11/2009	08:55	To Control C'pur - Parli line loading.
Karad-Kolhapur CKT II	16/11/2009	22:48		Continued.	H/T for O/V.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha--Dhamangaon	10/11/2009	23.21	16/11/2009	16:57	To Control H/V at 400 KV Akola S/S.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Chikhali - Khamgaon	06/11/2009	11:35		Continued.	To Control Chikhali line loading.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Nov/2009

Position as on 6.30 Hrs of 16/Nov/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Mankapur - Uppalwadi	14/11/2009	16:42		Continued.	H/T to control Ambazari-Mankapur loading
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur-Parli -I	16/11/2009	13:10		Continued.	Dist. Protn. Y Ph to earth.
Voltage Level : 220KV			Outage Type TRIPPED		
N.Koyna-Phinolex	15/11/2009	10:00	15/11/2009	10:40	Tripped, Directional E/F relay operated.
Kolhapur-Sawantwadi	15/11/2009	16:22	15/11/2009	16:43	Tripped, Dist. Protn.
K'gaon-ONGC	15/11/2009	16:43	15/11/2009	17:28	Tripped, Dist. Protn.
Kalmeshwar-Ambazari	15/11/2009	21:23	15/11/2009	21:38	Tripped on Distance Protection Zone - 1.
220/132 KV, 100 MVA ICT-I At Kalmeshwar	15/11/2009	21:40	15/11/2009	21:45	Oil Temperature Alarm, O/C. Relay Inverse Type "R" Ph.
BHENDA-BBLSWR	16/11/2009	01:16	16/11/2009	02:17	Tripped on Distance Protn.
Padgha - Nalasopara	16/11/2009	13:36	16/11/2009	15:04	Bus Bar Protn. at Nalasopara.
Nasik-Bablswr Ckt I	16/11/2009	16:43	16/11/2009	16:50	Tripped on P.D.R.
Voltage Level : 132KV			Outage Type TRIPPED		
132/33KV 25MVA T/F at Hinganghat.	09/11/2009	10:38		Continued.	T/F Caught fire and burnt.
Kalmeshwar-Saoner Ckt.	15/11/2009	21:40	15/11/2009	21:55	Tripped on Back up O/C., E/F Prot. L.B. T.16 MWv of Saoner S/Stn.
Pachora - Chalisgaon CKT -I.	16/11/2009	06:10	16/11/2009	06:36	Tripped on Distn Protn.
null					
Voltage Level : 220KV			Outage Type TRIPPED		
Sahara-B'dying	15/11/2009	16:23	15/11/2009	18:10	Tripped, Dist. Protn.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Nov/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	85
Unit 2	105	0
Unit 3	105	75
Unit 4	105	75
Unit 5	200	150
Unit 6	210	150
Unit 7	210	160
	1040	695
Bhusawal		
Unit 1	58	50
Unit 2	210	180
Unit 3	210	0
	478	230
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	130
Unit 4	210	185
Unit 5	210	145
Unit 6	250	0
	940	500
Chandrapur		
Unit 1	210	160
Unit 2	210	170
Unit 3	210	210
Unit 4	210	210
Unit 5	500	450
Unit 6	500	425
Unit 7	500	425
	2340	2050
Paras		
Unit 2	55	0
Unit 3	250	202
	305	202
Khaparkheda		
Unit 1	210	170
Unit 2	210	180
Unit 3	210	0
Unit 4	210	205
	840	555
Nasik		
Unit 1	120	80
Unit 2	120	90
Unit 3	210	180
Unit 4	210	180
Unit 5	210	180
	870	710
Uran		
All Units	852	490
	852	490
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		

Generating unit	Derated Capacity (MW)	OLC (MW)
KDPH	40	0
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	40
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	40
ELDARY	23	0
PAITHAN	12	10
GHATGHAR	250	0
	611	245
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	900
RGPL III	740	
	1700	900
Tata		
Trombay 4	150	150
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	2027
REL		
1&2	500	250
	500	250
Cent Sect		
Share	3143	3138
	3143	3138