



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Nov/2009

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Nov/2009 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	110.004	3248.777	1) Madhya Pradesh	56.800	1811.488
2) Hydro	17.208	427.255	2) Gujrat	7.109	225.283
3) Gas	15.926	437.421	3) Goa	-6.154	-184.965
Total MSGENCO	143.138	4113.453	4) TAPS 1&2 (Inj.)	7.352	216.694
B) OTHERS			5) Pench (Excess)	-0.163	-1.327
1) RGPPL Gas	22.614	666.984	# Total Cent. Sector	64.944	2067.173
2) Wind Generation	2.180	128.337	F) Other Exchanges		
3) PENCH (MS)	0.163	11.835	1) With TPCL	-4.162	-149.395
C) TPCL & REL			G) Bilateral Power *		
1) TPCL Thermal	26.611	885.187	1) MSEDCL Bilateral	2.496	98.022
2) TPCL Hydro	3.832	116.968	Include PX	0.000	7.152
TOTAL TPCL	30.443	1002.155	2) MUMBAI Bilateral	5.242	171.925
3) REL Thermal	12.720	277.662	Include PX	1.128	22.490
D) STATE			3) MUMBAI Schedule	5.242	177.035
1) Thermal (A1+C1+C3)	149.335	4411.626	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B3+C2)	21.203	556.058	1) MSEDCL	228.877	6838.387
3) Gas (A3+B1)	38.540	1104.405	2) TPCL	31.340	944.181
4) Wind (B2)	2.180	128.337	3) REL	15.986	484.974
TOTAL STATE	211.258	6200.426	TOTAL STATE	276.203	8267.542

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	4573	4741	4342
MSGENCO Hydro	1118	1358	75
MSGENCO Gas	651	662	659
MSGENCO Total Generation	6342	6761	5076
Central Sector Receipt	2873	3162	2454
RGPPL	943	941	942
WIND	66	105	97
Exchange with TPCL	-411	-340	20
MSEDCL DEMAND MET	9813	10663	8589
Load Shedding	2484	3294	24
MSEDCL DEMAND (INCL. LS)	12297	13957	8613
TPCL GENERATION	1507	1576	861
REL GENERATION	530	527	531
TPCL+REL DEMAND	2448	2443	1372
STATE DEMAND MET	12261	13106	9961
STATE DEMAND (INCL. LS)	14745	16400	9985
Frequency (Hz)	49.74	49.81	50.22
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			3401 MW AT 19.00 HRs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			49.57 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.5 Hz at 03.56 Hrs	49.13 Hz at 17.25 Hrs	49.9	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 30/Nov/2009

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.68	53.86	85	54	50
Unit 2	1.25	21.85	74	0	50
Unit 3	1.70	35.69	81	59	70
Unit 4	1.76	39.75	87	54	70
Unit 5	3.41	84.04	158	117	150
Unit 6	3.41	96.50	155	129	150
Unit 7	3.68	100.77	175	130	150
	16.88	432.46			690
Bhusawal					
Unit 1	1.24	26.86	55	43	50
Unit 2	4.13	120.40	184	155	180
Unit 3	4.28	117.53	195	160	190
	9.64	264.80			420
Parli					
Unit 1	0.56	16.75	25	22	20
Unit 2	0.17	14.54	24	0	0
Unit 3	3.95	97.67	178	146	175
Unit 4	4.61	131.16	212	166	205
Unit 5	4.07	119.14	175	155	180
Unit 6	1.55	39.82	141	0	115
	14.92	419.08			695
Chandrapur					
Unit 1	3.64	112.08	157	138	160
Unit 2	3.54	95.74	154	137	150
Unit 3	3.61	93.78	154	141	210
Unit 4	3.46	114.11	155	130	180
Unit 5	7.30	216.90	325	285	450
Unit 6	7.31	239.98	310	280	450
Unit 7	7.41	256.96	315	300	450
	36.25	1129.55			2050
Paras					
Unit 2	0.59	0.98	28	21	25
Unit 3	4.78	144.31	214	161	190
	5.36	145.30			215
Khaparkheda					
Unit 1	2.23	105.68	195	0	0
Unit 2	4.52	102.81	203	169	190
Unit 3	4.50	44.95	213	167	210
Unit 4	4.88	140.25	214	165	210
	16.14	393.70			610
Nasik					
Unit 1	2.16	58.53	95	87	90
Unit 2	2.09	56.88	91	82	90
Unit 3	4.60	135.01	201	166	190
Unit 4	1.97	116.05	102	65	80
Unit 5	0.00	97.43	0	0	0
	10.80	463.89			450
Uran					
All Units	15.93	437.42	687	643	630
	15.93	437.42			630
Koyna					
Stage 1-2	2.21	62.18	265	35	600
Stage 4	10.49	231.95	1108	0	250
Kovna 12&4 Total	12.70	294.13			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Stage 3	2.56	62.07	240	0	320
	15.26	356.20			1170
Hydro					
KDPH	0.00	3.62	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.37	12.87	60	0	60
BHTGR/VEER	0.56	22.78	24	23	26
BHIRA T.R.	0.12	7.02	62	0	80
RNGR+BHTSA	0.31	9.47	15	12	15
BHANDARDRA	0.00	5.68	0	0	0
ELDARY	0.00	0.00	0	0	0
PAITHAN	0.06	1.59	10	0	10
GHATGHAR	0.54	8.01	125	0	0
	1.95	71.05			191
PENCH (MS)					
Pench (MS)	0.16	11.84	50	0	
	0.16	11.84			
Wind					
MalharPeth	0.10	8.74			
Vankuswadi	0.33	20.18			
ATIT	0.04	4.80			
Kale	0.08	7.81			
Satara	0.08	7.86			
Shirala	0.10	6.81			
K Mahankal	0.13	5.45			
Supa	0.01	2.22			
Vita	0.48	23.58			
Dondaicha	0.51	19.67			
Sakri	0.09	2.84			
Nandurbar	0.05	1.95			
Khadakale	0.09	9.05			
Khaparale	0.09	7.37			
	2.18	128.34			
Dabhol					
RGPP L II	22.61	666.98	945	938	900
RGPP L III	0.00	0.00	0	0	
	22.61	666.98			900
Tata					
Trombay 4	2.51	30.12	118	98	100
Trombay 5	10.62	298.90	455	350	500
Trombay 6	8.88	284.66	495	150	500
Trombay 7A	2.96	84.07	127	121	120
Trombay 7B	1.63	47.64	69	67	60
Trombay 8	0.00	139.79	0	0	0
TATA Hydro	3.83	116.97	339	0	447
	30.44	1002.16			1727
REL					
1&2	12.72	277.66	533	527	500
	12.72	277.66			500
Cent Sect					
Share					2978
					2978

MS PG CL	Thermal	110.00	3248.78		5130
	Thml+Gas	125.93	3686.20		5760
	Hydro	17.21	427.26		1361
	Total	143.14	4113.45		7121
State Total		211.26	6200.43		13226

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/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	4430	80	657	5167	941	108	2485	2266	-37	16	8498	248	8746	1534	10280	50.11
2	4349	80	657	5086	942	101	2485	2552	-37	18	8699	129	8828	1426	10254	50.31
3	4342	75	659	5076	942	97	2485	2454	-37	20	8589	24	8613	1372	9985	50.22
4	4362	80	659	5101	942	106	2485	2540	-37	22	8711	389	9100	1318	10418	50.29
5	4426	75	672	5173	941	99	2474	2498	-37	20	8731	813	9544	1307	10851	50.04
6	4500	70	685	5255	942	107	2474	2732	-37	19	9055	1505	10560	1377	11937	49.98
7	4579	181	685	5445	943	116	2447	2796	-37	16	9316	2291	11607	1559	13166	49.67
8	4572	612	687	5871	944	102	2643	2605	-37	14	9536	2544	12080	1661	13741	49.83
9	4515	302	683	5500	945	92	2627	2868	-39	11	9416	2763	12179	1865	14044	49.70
10	4487	543	675	5705	944	95	2863	2611	-275	-223	9132	3188	12320	2188	14508	49.80
11	4561	1217	659	6437	945	102	3110	2604	-393	-345	9743	2562	12305	2402	14707	49.80
12	4573	1118	651	6342	943	66	3177	2873	-463	-411	9813	2484	12297	2448	14745	49.74
13	4590	1077	645	6312	941	46	3219	2863	-407	-373	9789	2390	12179	2422	14601	49.80
14	4591	1415	648	6654	943	31	3085	2595	-281	-278	9945	2485	12430	2317	14747	49.97
15	4696	1495	645	6836	939	28	3023	2456	-328	-326	9933	2594	12527	2388	14915	49.87
16	4658	1126	643	6427	938	34	3019	2638	-328	-327	9710	2654	12364	2353	14717	49.80
17	4727	1184	644	6555	939	79	2969	2855	-281	-274	10161	2692	12853	2333	15186	49.76
18	4755	1145	650	6550	939	123	3048	3115	-299	-275	10475	2552	13027	2317	15344	49.67
19	4741	1358	662	6761	941	105	3120	3162	-402	-340	10663	3294	13957	2443	16400	49.81
20	4743	1265	661	6669	942	123	2938	3058	-346	-277	10564	3056	13620	2343	15963	49.73
21	4754	1115	670	6539	944	101	2915	2879	-275	-217	10296	2747	13043	2211	15254	49.85
22	4740	746	675	6161	945	100	2891	2757	-275	-216	9747	2698	12445	2063	14508	50.05
23	4719	412	677	5808	945	120	2812	2592	-275	-219	9246	2275	11521	1905	13426	49.80
24	4594	437	677	5708	944	99	2699	2575	-275	-217	9109	1742	10851	1774	12625	50.07
MUs	110.00	17.21	15.93	143.14	22.61	2.18	67.49	64.94	-5.24	-4.16	228.88	50.12	279.00	47.33	326.32	49.90

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 30/Nov/2009

Position as on 6.30 Hrs of 01/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		Continued.	Performance Guarantee Test	10/12/2009
Nasik Unit 5	210	25/11/2009	01:50		Continued.	AOH	17/12/2009
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	27/11/2009	00.23	30/11/2009	03.21	ID Fan problem.	
Khaparkheda Unit 1	210	28/11/2009	21:29	30/11/2009	10:12	Water valve tube leakage.	
Parli Unit 2	30	29/11/2009	00:34	30/11/2009	16:35	Boiler tube leakage.	
Parli Unit 6	250	30/11/2009	12:27	01/12/2009	02:16	Conveyer Belt Broken.	
Khaparkheda Unit 2	210	01/12/2009	02:15		Continued.	Turbine side drain pipe leakage.	02/12/2009
Parli Unit 6	250	01/12/2009	03:00	01/12/2009	04:21	Drum level low.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Nov/2009

Position as on 6.30 Hrs of 01/Dec/2009

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
WARDHA-AKOLA-II	24/10/2009	16.46		Continued.	H/T due to over voltage
Dhule-Sar'Sarovar II	09/11/2009	10:48		Continued.	H/T for O/V.
Akola - Aurangabad - I	29/11/2009	17.30		Continued.	Hand Tripped
Voltage Level : 220KV			Outage Type TRIPPED		
Tillary-Amona-Phonda	26/11/2009	13.00		Continued.	Charged from Tillary end up to Amona
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Chandrapur-parli - III	26/11/2009	06.44		Continued.	Dieversion work of 400 KV C'pur-Parli D/C line for WCL.
Karad-New Koyna II	30/11/2009	12:04	30/11/2009	12:30	Taken on TBC, to fil SF6.
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 150 MVA ICT @ Amravati	22/11/2009	09:26		Continued.	Augmentation of 150 MVA ICT by 200 MVA ICT and other Works.
220/132 KV 150 MVA ICT-I at Dhule	23/11/2009	11:30		Continued.	Main C.B. Replacement work, ICT H V side on TBC.
KDPH-Wankuswadi	23/11/2009	15:00		Continued.	Taken on TBC for Breaker replacement.
220/66KV T/F at SICOM	27/11/2009	09:45		Continued.	L V Bkr Replacement work.
220/100KV,125MVA ICT-III at Borivali	27/11/2009	10.02	30/11/2009	22:00	Pannel Shifting, Kept on Humming.
220 KV Virur Rly TSS Ckt I.	30/11/2009	10:57	30/11/2009	17:33	Routine Maintainance work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Solapur - Ujani	20/11/2009	09.40		Continued.	Breaker replacement
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/132KV 100MVA IBT at Parli.	22/11/2009	22:17		Continued.	Compressor Problem.
Mumewadi - Halkarni	30/11/2009	12:55	30/11/2009	14:58	To attend CT leakage.
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 - II	26/11/2009	10.39		Continued.	Charged from Parli end.
Karad-Kolhapur CKT I	29/11/2009	12.02		Continued.	H/T for Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha--Dhamangaon	30/11/2009	03.23		Continued.	To load Akola ICT
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Chikhali - Khamgaon	06/11/2009	11:35		Continued.	To Control Chikhali line loading.
Voltage Level : 400KV			Outage Type TRIPPED		
Chandrapur - Bhadravati-IV	23/11/2009	15:49		Continued.	Bus bar Protection Operated.
Voltage Level : 220KV			Outage Type TRIPPED		
Bus Coupler at Parly-I	29/11/2009	11.18	30/11/2009	20:36	Bus Bar protection operated, B phase CT Burst
220KV Main Bus - II at Parly-I	29/11/2009	11.18	30/11/2009	19:09	Bus Bar protection operated
Girawli-Parli-III	29/11/2009	11.18	30/11/2009	19:09	Bus Bar protection operated

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Nov/2009

Position as on 6.30 Hrs of 01/Dec/2009

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Parli-Osmanabad	29/11/2009	11.18	30/11/2009	06:34	Bus Bar protection operated
Parly - New Parly TPS - II	29/11/2009	11.18	30/11/2009	21:45	Bus Bar protection operated
Parly - Harangul - II.	29/11/2009	11.18	30/11/2009	21:31	Bus Bar protection operated
Bhugaon - LLOYD - I	30/11/2009	12:50	30/11/2009	13:28	Tripped on Pilot wire protection and backiup protection, LBT-35 MW.
Bhugaon - LLOYD - I	30/11/2009	14:15	30/11/2009	15:25	Tripped on Pilot wire protection and backup protection, LBT-35 MW.
Voltage Level : 132KV			Outage Type TRIPPED		
Parbhani-Parthur	30/11/2009	16:30	30/11/2009	16:55	Distance Protection Operated.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 01/Dec/2009

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	70
Unit 3	105	70
Unit 4	105	70
Unit 5	200	150
Unit 6	210	150
Unit 7	210	150
	1040	730
Bhusawal		
Unit 1	58	52
Unit 2	210	180
Unit 3	210	190
	478	422
Parli		
Unit 1	30	20
Unit 2	30	20
Unit 3	210	170
Unit 4	210	170
Unit 5	210	155
Unit 6	250	110
	940	645
Chandrapur		
Unit 1	210	160
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	2090
Paras		
Unit 2	55	30
Unit 3	250	200
	305	230
Khaparkheda		
Unit 1	210	173
Unit 2	210	0
Unit 3	210	191
Unit 4	210	193
	840	557
Nasik		
Unit 1	120	81
Unit 2	120	81
Unit 3	210	172
Unit 4	210	72
Unit 5	210	0
	870	406
Uran		
All Units	852	630
	852	630
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	24
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
PAITHAN	12	9
GHATGHAR	250	0
	611	188
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	0
TATA Hydro	444	447
	2024	1777
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3027
	3143	3027

	17616	7 of 7	13272
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