



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Nov/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/Nov/2011 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	111.552	2056.350	1) Gujrat	3.124	67.483
2) Hydro	8.594	260.013	2) Madhya Pradesh	21.268	465.494
3) Gas	12.047	282.385	3) Chattisgarh	15.160	301.700
Total MSGENCO	132.193	2598.748	4) Maharashtra	51.252	1126.346
B) OTHERS			5) Goa	-5.342	-122.687
1) JSW JAIGAD	19.885	490.532	6) TAPS 1&2 Injection	7.784	155.066
2) WPCL	6.257	135.495	7) RGPPL Injection	32.642	612.275
3) Other CPP / IPP	6.101	96.980	8) Pench (Excess)	-0.111	-5.966
4) Wind Generation	6.612	62.184	# Total Cent. Sector	125.777	2599.711
5) PENCH (MS)	0.413	9.165	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.149	-225.380
1) TPCL Thermal	18.024	533.558	G) Bilateral Power *		
2) TPCL Hydro	3.712	74.158	1) MSEDCL Bilateral	32.652	749.662
TOTAL TPCL	21.736	607.716	Include PX	1.696	56.304
3) REL Thermal	12.592	238.627	2) MUMBAI Bilateral	9.028	251.420
D) STATE			Include PX	-2.174	4.390
1) Thermal (A1+C1+C3)	142.168	2828.535	3) MUMBAI Schedule	9.028	261.732
2) Hydro (A2+B5+C2)	12.719	343.336	H) ENERGY CATERED (MUs)		
3) Gas (A3)	12.047	282.385	1) MSEDCL	288.089	5767.435
4) Wind (B4)	6.612	62.184	2) TPCL	28.611	712.694
5) CPP (B1+B2+B3)	32.243	723.007	3) REL	14.864	358.866
TOTAL STATE	205.789	4239.447	TOTAL STATE	331.564	6838.995

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	4625	4678	4567
MSGENCO Hydro	1027	489	128
MSGENCO Gas	453	578	547
MSGENCO Total Generation	6105	5745	5242
Central Sector Receipt	5224	5328	5509
WIND	521	228	280
CPP / IPP	1356	1332	1341
Exchange with Mumbai	-284	-460	-458
MSEDCL DEMAND MET	12949	12198	11947
Load Shedding (LS)	2028	1310	363
MSEDCL DEMAND (INCL. LS)	14977	13508	12310
TPCL GENERATION	1103	1124	570
REL GENERATION	526	524	526
TPCL+REL DEMAND	1913	2108	1554
STATE DEMAND MET	14862	14306	13501
Load Management (LM)	2397	3878	1903
Total Load Relief (LS+LM)	4425	5188	2266
UNRESTRICTED STATE DEMAND	19287	19494	15767
Frequency (Hz)	49.70	49.71	49.84

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.31 Hz at 08:03 Hrs	49.23 Hz at 14:19 Hrs	49.71	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 20/Nov/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.98	56.87	162	89	115
Unit 6	3.88	71.98	179	142	170
Unit 7	3.65	30.88	170	105	170
Total	10.51	159.73			455
Bhusawal					
Unit 2	2.68	68.70	140	70	140
Unit 3	2.59	62.94	125	95	140
Unit 4	0.00	0.00	0	0	0
Total	5.28	131.64			280
Parli					
Unit 3	0.00	25.34	0	0	0
Unit 4	0.34	66.31	135	0	0
Unit 5	2.79	58.38	129	92	126
Unit 6	5.23	87.75	253	166	180
Unit 7	4.92	80.17	250	151	160
Total	13.28	317.94			466
Chandrapur					
Unit 1	3.60	75.34	157	138	160
Unit 2	0.00	9.78	0	0	0
Unit 3	4.04	78.64	192	143	180
Unit 4	4.41	95.65	210	142	210
Unit 5	10.65	149.15	465	400	450
Unit 6	9.93	155.01	460	380	400
Unit 7	10.89	150.19	466	430	450
Total	43.52	713.75			1850
Paras					
Unit 3	3.63	72.16	170	135	150
Unit 4	3.79	71.31	174	140	150
Total	7.42	143.47			300
Khaparkheda					
Unit 1	4.37	77.72	190	170	190
Unit 2	4.28	76.60	186	155	180
Unit 3	4.48	80.79	210	166	190
Unit 4	4.62	81.96	200	184	190
Unit 5	0.00	35.49	0	0	0
Total	17.75	352.56			750
Nasik					
Unit 3	4.70	89.08	215	150	210
Unit 4	4.83	78.73	208	195	210
Unit 5	4.27	69.42	185	165	180
Total	13.80	237.24			600
Uran					
All Units	12.05	282.38	581	434	630
Total	12.05	282.38			630
PENCH (MS)					
Pench (MS)	0.41	9.16	53	0	0
Total	0.41	9.16			0
Koyna					
Stage 1-2	2.28	81.20	245	35	600
Stage 4	2.23	84.23	548	0	250
Stage 3	0.55	35.55	80	0	320
Total	5.06	200.98			1170
Kovna 12&4 Total	4.50	165.43			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.44	5.22	19	18	19
VTRNA	0.00	0.39	0	0	0
TILLARI	0.00	6.79	0	0	0
BHTGR/VEER	0.14	2.85	6	5	8
BHIRA T.R.	0.24	4.23	82	0	80
RNGR+BHTSA	0.34	7.71	15	14	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.35	5.57	15	14	0
SMLHY PTN	0.89	13.11	45	33	25
GHATGHAR	1.14	13.16	174	0	0
Total	3.54	59.03			147
Wind					
MalharPeth	0.44	5.36			
Vankuswadi	0.88	8.92			
ATIT	0.12	1.57			
Kale	0.35	3.32			
Satara	2.09	10.96			
Shirala	0.34	3.87			
K Mahankal	0.04	5.44			
Supa	0.08	1.24			
Vita	1.33	12.04			
Dondaicha	0.37	2.82			
Sakri	0.06	0.64			
Nandurbar	0.03	0.70			
Khandke	0.22	2.88			
Khaparale	0.26	2.44			
Total	6.61	62.18			
CPP					
JSW JAIGAD	19.88	490.53	833	815	825
WARDHA	6.26	135.50	265	258	260
Other CPPs	6.10	96.98			
Total	32.24	723.01			1085
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.11	192.88	87	0	0
Trombay 6	8.28	143.46	439	152	500
Trombay 7A	2.87	55.41	127	104	120
Trombay 7B	1.60	31.15	68	62	60
Trombay 8	5.17	110.66	252	172	250
TATA Hydro	3.71	74.16	317	0	447
Total	21.74	607.72			1377
REL					
1&2	12.59	238.63	527	513	500
Total	12.59	238.63			500
Cent Sect					
Share					5526
Total					5526

MS PG CL	Thermal	111.55	2056.35			4701
	Thml+Gas	123.60	2338.74			5331
	Hydro	8.59	260.01			1317
	Total	132.19	2598.75			6648
State Total		205.79	4239.45			15136

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/Nov/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS													
1	4522	128	460	5110	263	1347	5248	5438	-432	-563	11608	2624	11793	1746	15978	49.70
2	4531	138	552	5221	261	1360	5172	5680	-357	-514	12031	2499	12331	1607	16137	49.73
3	4567	128	547	5242	280	1349	5106	5509	-294	-458	11947	2266	12310	1554	15767	49.84
4	4574	127	501	5202	278	1329	5070	5538	-257	-413	11959	2492	12384	1495	15946	49.88
5	4564	131	503	5198	265	1314	5060	5440	-246	-409	11834	2581	12303	1466	15881	49.83
6	4652	292	500	5444	224	1320	5050	5706	-229	-417	12302	2785	12952	1508	16595	49.76
7	4689	316	502	5507	179	1337	5033	5424	-203	-360	12094	3568	13492	1542	17204	49.77
8	4749	247	498	5494	142	1355	5027	4847	-251	-288	11550	3877	12809	1555	16982	49.86
9	4748	283	500	5531	141	1361	5056	4984	-284	-276	11741	3972	12839	1643	17356	49.81
10	4653	384	481	5518	245	1360	5099	5533	-325	-281	12381	4366	14124	1766	18513	49.73
11	4568	730	460	5758	388	1351	5376	5568	-372	-247	12841	4274	14787	1855	18970	49.69
12	4625	1027	453	6105	521	1356	5339	5224	-394	-284	12949	4425	14977	1913	19287	49.70
13	4558	467	452	5477	509	1359	5354	5400	-409	-319	12451	4634	14684	1921	19006	49.74
14	4598	380	447	5425	483	1352	5340	5685	-409	-247	12708	4232	14645	1859	18799	49.66
15	4507	732	434	5673	421	1359	5174	5513	-388	-280	12686	3885	14465	1843	18414	49.59
16	4580	972	475	6027	336	1353	5155	5173	-378	-254	12635	4001	14566	1827	18463	49.59
17	4676	391	480	5547	286	1341	4791	4437	-357	-252	11359	4567	13416	1822	17748	49.57
18	4715	208	510	5433	201	1332	4788	4932	-378	-295	11620	4466	13017	1864	17950	49.56
19	4678	489	578	5745	228	1332	5038	5328	-515	-460	12198	5188	13508	2108	19494	49.71
20	4745	332	576	5653	250	1343	5182	5273	-515	-488	12084	5002	13123	2150	19236	49.74
21	4726	224	581	5531	260	1352	5192	5114	-515	-466	11842	4772	12683	2148	18762	49.70
22	4798	215	503	5516	171	1352	4848	4835	-515	-523	11376	4497	12007	2147	18020	49.65
23	4781	129	514	5424	141	1312	4736	4554	-515	-538	10900	4432	11466	2120	17452	49.57
24	4748	124	540	5412	139	1317	4601	4642	-489	-517	10993	3918	11404	2018	16929	49.67
MUs	111.5 5	8.59	12.05	132.19	6.61	32.24	121.84	125.78	-9.03	-9.15	288.09	93.32	316.08	43.48	424.89	49.71

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 # Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 20/Nov/2011

Position as on 6.30 Hrs of 21/Nov/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Chandrapur Unit 2	210	05/11/2011	11.02		Continued.	Boiler Tube Leakage,converted to AOH.	30/11/2011
Cent_Sect TARAPUR-4	540	06/11/2011	01.00		Continued.	Annual Overhaul	25/12/2011
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	
CPP WPCL U-4	135	02/11/2011	04.40		Continued.	ID Fan Problem, Preparation for P.G. Test.	05/12/2011
Parli Unit 3	210	12/11/2011	21.25		Continued.	No coal.	
CPP JSW (J) U4	300	14/11/2011	01.17		Continued.	Turbine governing oil line leakage.	21/11/2011
Dabhol 1A	230	14/11/2011	12:00		Continued.	Gas Shortage.	25/11/2011
Khaparkheda Unit 5	500	17/11/2011	17.57		Continued.	UAT Trip. Baring jam.	21/11/2011
Parli Unit 4	210	18/11/2011	08.04	20/11/2011	20.50	Boiler Tube Leakage.	
Uran Unit A0	120	19/11/2011	12.49	20/11/2011	01.17	Due to governing system problem.	
Koyna Unit 9	80	19/11/2011	23.00	20/11/2011	04.00	Repl.of generator air coolers.	
Tata Trombay 5	500	20/11/2011	01.27	21/11/2011	00.04	BLR T/L.	
Uran Unit 5	108	20/11/2011	02.51	20/11/2011	15.58	Turbine bearing vibration high.	
Koyna Unit 6	75	20/11/2011	05.55	20/11/2011	20.15	Due to MB section-II outage.	
Koyna Unit 5	80	20/11/2011	06.00	20/11/2011	19.45	Due to MB section-II outage.	
Koyna Unit 8	80	20/11/2011	06.25	20/11/2011	20.20	Due to MB section-II outage.	
Koyna Unit 7	80	20/11/2011	08.30	20/11/2011	19.10	Due to MB section-II outage.	
Cent_Sect NTPC(K-4)	500	20/11/2011	14.15		Continued.	Boiler tube leakage.	23/11/2011
Uran Unit 5	108	21/11/2011	00.27		Continued.	Turbine bearing vibration.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Nov/2011

Position as on 6.30 Hrs of 21/Nov/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Boiser - Tarapur	30/10/2011	08.31		Continued.	60 Days outage for Dismantling of existing tower and re-stringing work for Mumbai Strengthening Scheme(Converted as Borivali-Tarapur)
Boiser(PGCIL)-Padgha	20/11/2011	06.42	20/11/2011	18.44	Stringing of Boiser(PGCIL)-Padgha through new draft tower.
Bhoisor - Bhoisor PGCIL-II	20/11/2011	07.26	20/11/2011	15.32	Stringing of Boiser(PGCIL)-Padgha through new draft tower.
Borivali-Tarapur-I	20/11/2011	22.38	21/11/2011	05.23	For change in jumper arrangement of bus section,required for cable termination work of Rel.infra GIS work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli-Parli (PGCIL) I	19/10/2011	21.40		Continued.	Over Voltage.
Parly(PG) - Wardha (PG) - I	02/11/2011	11.33		Continued.	To control Koradi-Bhilai Load
Parli (PGCIL)-Bhadravati-II	07/11/2011	17.00		Continued.	Over Voltage.
Kolhapur - Mapusa - II	19/11/2011	22.03	20/11/2011	14.41	Over Voltage.
Dhule-Sar'Sarovar - II	19/11/2011	22.09	20/11/2011	11.22	Over Voltage.
Kolhapur - Mapusa - I	20/11/2011	16.32		Continued.	Over Voltage.
Dhule-S'Sarovar I	20/11/2011	17.04		Continued.	Over Voltage.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Pench - Kanhan	15/11/2011	22.15	20/11/2011	17.30	Hand Tripped
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/132KV 200 MVA ICT-I @ Bhusawal	16/11/2011	11.40		Continued.	Filteration of Oil upto 21.11.11.
Lonikand - Chakan	20/11/2011	08.43	20/11/2011	17.25	Replacement of insulator string.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C
220/132 KV 250 MVA ICT at Ambazari	05/08/2011	10.41		Continued.	ICT is to be replaced by 200 MVA ICT
Bhoisor - Borivali	30/10/2011	08.06		Continued.	60 Days outage for Dismantling of existing tower and re-stringing work for Mumbai Strengthening Scheme(Converted as Borivali-Tarapur)
220/100KV,125 MVA T/F-II at Jambhul	08/11/2011	13.50		Continued.	Inspection and Rectification of Gas Formation upto 29/11/2011
Kalwa-Mulund II	12/11/2011	09.43		Continued.	Replacement of breaker isolator .Line taken on TBC.(up to 28/11/2011)
Main Bus-II at Koradi	16/11/2011	10.36		Continued.	Replacement of 29B Isolator of ICT 220KV Side.
220/100KV 200MVA ICT-IV at Kalwa	16/11/2011	12.25		Continued.	Rectification of Fault/Internal Inspection due to Increased Key Fault.Outage upto 22.11.11.
220/15.75KV 250 MVA GT III @ Parly-I	16/11/2011	12.25		Continued.	Replacement of main bus isolator.
Khaperkheda - Koradi	19/11/2011	15.25		Continued.	Replacement of isolator.
Trombay - Tifil	20/11/2011	06.08	20/11/2011	11.59	To replace damaged jumper.
Pophali - Pedambe - II	20/11/2011	06.15	20/11/2011	19.30	Due to M.B.section-II outage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Nov/2011

Position as on 6.30 Hrs of 21/Nov/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Pophali- Karad II	20/11/2011	06.34	20/11/2011	19.07	Pophali M.B.section-II outage.
Main Bus Section-II at Pophali	20/11/2011	07.15	20/11/2011	20.25	To attend P.M. work on Karad-II line M.B.isolator.
Pophali-New Koyna	20/11/2011	08.20	20/11/2011	19.39	Due to M.B.section-II outage.
Main Bus - I @ Versova	20/11/2011	09.40	20/11/2011	18.30	Annual maint. work.
Borivali-Tata Borivali 4	20/11/2011	22.23	21/11/2011	05.51	For change in jumper arrangement of bus section,required for cable termination work of Rel.infra GIS work.
Borivali-Mulund	20/11/2011	22.33	21/11/2011	05.37	For change in jumper arrangement of bus section,required for cable termination work of Rel.infra GIS work.
220/100KV,200MVA ICT-I at Borivali.	20/11/2011	22.34	21/11/2011	05.38	For change in jumper arrangement of bus section,required for cable termination work of Rel.infra GIS work.
Main Bus Section-I at Borivali	20/11/2011	23.30	21/11/2011	04.50	For change in jumper arrangement of bus section,required for cable termination work of Rel.infra GIS work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Ambazari-Pardi	20/11/2011	08.31		Continued.	Tower height raising 132KV Ambz-Pardi and Khapri-Besa ckt.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	17/11/2011	20.32		Continued.	Buccolz alarm problem.
Karad - Kolhapur - II	18/11/2011	22.59		Continued.	Over Voltage.
400/220KV,500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low nitrogen pressure fire alarm received.
Bhusawal- Aurangabad	20/11/2011	22.49	21/11/2011	06.07	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur-Warora	18/11/2011	17.27		Continued.	H/T to control line loading of 220KV Warora-Hinganghat.
Lote - N.Koyna	19/11/2011	21.25	20/11/2011	02.34	Due to wave trap to line isolator jumper open.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV 105 MVA Spare ICT at Parly II	22/08/2011	13.50		Continued.	To Remove Trip Coil Assembly for Bus Coupler.
Voltage Level : 132KV			Outage Type TRIPPED		
Chitegaon-Satara-II	20/11/2011	04.09	20/11/2011	05.09	Distance protection.
Amravati - Akola	20/11/2011	09.03	20/11/2011	09.12	Distance protection.
Voltage Level : 100KV			Outage Type TRIPPED		
Kandalgaon - Mhasale	20/11/2011	16.42	20/11/2011	17.38	Bus bar protection operated.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Nov/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	135
Unit 6	210	165
Unit 7	210	180
	620	480
Bhusawal		
Unit 2	210	120
Unit 3	210	120
Unit 4	500	
	920	240
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	135
Unit 6	250	160
Unit 7	250	180
	1130	625
Chandrapur		
Unit 1	210	160
Unit 2	210	0
Unit 3	210	180
Unit 4	210	190
Unit 5	500	425
Unit 6	500	400
Unit 7	500	450
	2340	1805
Paras		
Unit 3	250	160
Unit 4	250	160
	500	320
Khaparkheda		
Unit 1	210	190
Unit 2	210	180
Unit 3	210	190
Unit 4	210	190
Unit 5	500	
	1340	750
Nasik		
Unit 3	210	192
Unit 4	210	192
Unit 5	210	162
	630	546
Uran		
All Units	852	630
	852	630
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	19
VTRNA	60	0
TILLARI	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	8
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	11
GHATGHAR	250	0
	611	148
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		
JSW JAIGAD	600	825
WARDHA	405	360
Other CPPs	0	
	1005	1185
Tata		
Trombay 4	150	0
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	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4950
	3455	4950