



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Oct/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 19/Oct/2011 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	107.157	1627.391	1) Gujrat	10.735	275.933
2) Hydro	12.482	440.213	2) Madhya Pradesh	23.154	377.594
3) Gas	11.155	278.744	3) Chattisgarh	11.960	215.080
Total MSGENCO	130.794	2346.348	4) Maharashtra	43.958	776.535
B) OTHERS			5) Goa	-6.670	-113.634
1) JSW JAIGAD	24.575	374.783	6) TAPS 1&2 Injection	7.830	130.774
2) WPCL	10.339	176.636	7) RGPPL Injection	33.867	67.062
3) Other CPP / IPP	5.528	87.140	8) Pench (Excess)	-0.437	-10.543
4) Wind Generation	0.915	46.228	# Total Cent. Sector	124.397	1718.801
5) PENCH (MS)	0.437	11.336	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-13.305	-185.412
1) TPCL Thermal	29.772	565.839	G) Bilateral Power *		
2) TPCL Hydro	3.771	70.712	1) MSEDCL Bilateral	31.712	577.292
TOTAL TPCL	33.543	636.551	Include PX	0.000	175.412
3) REL Thermal	12.560	237.600	2) MUMBAI Bilateral	13.474	225.109
D) STATE			Include PX	0.405	18.626
1) Thermal (A1+C1+C3)	149.489	2430.830	3) MUMBAI Schedule	13.474	226.134
2) Hydro (A2+B5+C2)	16.690	522.261	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.155	278.744	1) MSEDCL	283.680	5158.797
4) Wind (B4)	0.915	46.228	2) TPCL	39.891	705.677
5) CPP (B1+B2+B3)	40.442	638.559	3) REL	19.516	354.338
TOTAL STATE	218.691	3916.622	TOTAL STATE	343.087	6218.812

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	4399	4641	4360
MSGENCO Hydro	895	1011	98
MSGENCO Gas	457	456	471
MSGENCO Total Generation	5751	6108	4929
Central Sector Receipt	5778	5678	4821
WIND	11	32	38
CPP / IPP	1481	1697	1696
Exchange with Mumbai	-740	-812	-133
MSEDCL DEMAND MET	12281	12750	11416
Load Shedding (LS)	1885	926	446
MSEDCL DEMAND (INCL. LS)	14166	13676	11862
TPCL GENERATION	1764	1609	1068
REL GENERATION	523	523	523
TPCL+REL DEMAND	3027	2944	1724
STATE DEMAND MET	15308	15694	13140
Load Management (LM)	1779	2798	1469
Total Load Relief (LS+LM)	3664	3724	1915
UNRESTRICTED STATE DEMAND	18972	19418	15055
Frequency (Hz)	49.59	49.65	49.72

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.1 Hz at 21.03 Hrs	48.8 Hz at 18.11 Hrs	49.63	1.29 % 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 19/Oct/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.26	62.15	157	115	155
Unit 6	3.56	50.94	165	134	162
Unit 7	0.00	22.85	0	0	0
Total	6.82	135.93			317
Bhusawal					
Unit 2	0.14	0.74	60	0	50
Unit 3	3.01	67.36	165	100	140
Unit 4	0.00	3.62	0	0	
Total	3.14	71.73			190
Parli					
Unit 3	3.16	59.43	155	112	155
Unit 4	2.75	7.98	138	95	115
Unit 5	0.79	54.98	123	0	0
Unit 6	3.68	73.72	191	100	165
Unit 7	0.34	0.34	73	0	0
Total	10.72	196.44			435
Chandrapur					
Unit 1	3.86	72.46	169	149	160
Unit 2	3.33	60.17	149	123	130
Unit 3	4.46	78.32	191	176	190
Unit 4	4.56	17.23	200	153	190
Unit 5	10.06	147.39	450	370	370
Unit 6	9.68	145.10	450	319	370
Unit 7	9.05	154.03	410	330	370
Total	44.99	674.70			1780
Paras					
Unit 3	4.37	55.80	215	133	200
Unit 4	4.25	34.34	232	129	200
Total	8.62	90.15			400
Khaparkheda					
Unit 1	4.80	68.14	210	185	210
Unit 2	4.49	53.77	195	175	200
Unit 3	4.76	73.18	210	177	200
Unit 4	5.04	75.17	221	158	210
Unit 5	4.13	28.93	265	103	
Total	23.23	299.19			820
Nasik					
Unit 3	3.60	56.88	175	120	145
Unit 4	3.06	48.23	146	104	135
Unit 5	2.97	54.14	155	97	126
Total	9.63	159.25			406
Uran					
All Units	11.16	278.74	501	449	460
Total	11.16	278.74			460
PENCH (MS)					
Pench (MS)	0.44	11.34	47	0	
Total	0.44	11.34			
Koyna					
Stage 1-2	4.36	126.38	495	40	600
Stage 4	5.03	204.91	546	0	250
Stage 3	1.86	71.68	238	0	320
Total	11.26	402.97			1170
Kovna 12&4 Total	9.39	331.29			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	1.40	0	0	0
VTRNA	0.00	0.89	0	0	0
TILLARI	0.42	7.69	60	0	60
BHTGR/VEER	0.03	1.98	2	1	0
BHIRA T.R.	0.29	5.74	41	0	40
RNGR+BHTSA	0.36	6.04	15	15	15
BHANDARDRA	0.00	2.20	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.13	8.58	14	2	12
GHATGHAR	0.00	2.74	0	0	0
Total	1.23	37.25			127
Wind					
MalharPeth	0.02	2.66			
Vankuswadi	0.09	5.24			
ATIT	0.01	0.76			
Kale	0.04	1.64			
Satara	0.03	5.91			
Shirala	0.03	1.84			
K Mahankal	0.17	2.52			
Supa	0.01	1.42			
Vita	0.31	6.30			
Dondaicha	0.00	9.82			
Sakri	0.04	1.54			
Nandurbar	0.05	1.30			
Khandke	0.06	3.51			
Khaparale	0.05	1.80			
Total	0.92	46.23			
CPP					
JSW JAIGAD	24.58	374.78	1085	815	985
WARDHA	10.34	176.64	434	423	433
Other CPPs	5.53	87.14			
Total	40.44	638.56			1418
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.76	219.90	490	490	490
Trombay 6	8.16	157.74	490	155	500
Trombay 7A	2.64	49.03	121	91	120
Trombay 7B	1.50	28.18	66	56	60
Trombay 8	5.71	111.00	245	220	250
TATA Hydro	3.77	70.71	383	0	447
Total	33.54	636.55			1867
REL					
1&2	12.56	237.60	526	522	500
Total	12.56	237.60			500
Cent Sect					
Share					5113
Total					5113

MS PG CL	Thermal	107.16	1627.39			4348
	Thml+Gas	118.31	1906.14			4808
	Hydro	12.48	440.21			1297
	Total	130.79	2346.35			6105
State Total		218.69	3916.62			15003

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/Oct/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	4384	228	501	5113	49	1738	4633	4934	-480	-425	11455	2030	11649	2018	15503	49.68
2	4398	178	471	5047	50	1736	4506	4976	-357	-232	11600	2074	11968	1823	15497	49.67
3	4360	98	471	4929	38	1740	4480	4821	-312	-133	11416	1915	11862	1724	15055	49.72
4	4329	123	471	4923	38	1740	4460	4777	-290	-73	11430	2019	11895	1665	15114	49.70
5	4384	128	471	4983	36	1738	4460	4931	-290	-61	11652	2071	12126	1654	15377	49.70
6	4370	691	472	5533	33	1711	4484	4924	-290	-135	12091	2327	12728	1730	16148	49.63
7	4429	794	472	5695	27	1717	4564	4617	-325	-244	11821	3429	13320	1837	17087	49.67
8	4461	350	473	5284	15	1712	4575	4200	-372	-295	10916	4156	12808	1969	17041	49.68
9	4477	82	469	5028	13	1714	4617	4571	-402	-414	10912	3874	12542	2249	17035	49.66
10	4390	144	465	4999	14	1749	4970	5382	-599	-634	11510	3944	13457	2620	18074	49.56
11	4436	374	458	5268	14	1478	5135	5879	-674	-731	11908	3905	14024	2895	18708	49.67
12	4399	895	457	5751	11	1481	5143	5778	-701	-740	12281	3664	14166	3027	18972	49.59
13	4455	1282	461	6198	20	1598	5114	5194	-701	-762	12248	3732	14203	3035	19015	49.50
14	4558	1053	464	6075	30	1705	5023	5372	-701	-835	12347	3417	14084	2994	18758	49.59
15	4508	849	449	5806	58	1684	4946	5352	-726	-831	12069	3502	14012	3020	18591	49.64
16	4501	670	454	5625	103	1687	4836	5003	-726	-824	11594	3833	13917	3022	18449	49.53
17	4564	355	461	5380	49	1698	4823	5151	-701	-804	11474	3662	13433	2995	18131	49.61
18	4680	263	460	5403	34	1690	4831	5260	-701	-811	11576	3442	13007	2940	17958	49.62
19	4624	1019	461	6104	34	1681	4912	5305	-747	-844	12327	3942	13559	2976	19245	49.50
20	4641	1011	456	6108	32	1697	5114	5678	-782	-812	12750	3724	13676	2944	19418	49.65
21	4551	810	461	5822	20	1669	5084	6071	-737	-705	12920	3492	13634	2764	19176	49.61
22	4497	472	456	5425	43	1679	5046	5747	-679	-692	12242	3271	12758	2613	18126	49.73
23	4448	289	458	5195	85	1694	4793	5295	-590	-643	11669	3027	12134	2514	17210	49.70
24	4307	324	463	5094	69	1706	4711	5182	-590	-625	11469	2628	11805	2380	16477	49.60
MUs	107.15	12.48	11.16	130.79	0.92	40.44	115.26	124.40	-13.47	-13.30	283.68	77.08	312.77	59.41	420.16	49.63

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 19/Oct/2011

Position as on 6.30 Hrs of 20/Oct/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Dabhol 1B	230	05/09/2011	23.57		Continued.	Generator Inspection	22/10/2011
Cent_Sect NTPC(K-4)	500	08/09/2011	14.26		Continued.	Annual Overhaul	23/10/2011
Parli Unit 7	250	24/09/2011	18.53	19/10/2011	12.09	Main steam temp.low.	
Koradi Unit 7	210	08/10/2011	23.43		Continued.	Annual overhaul.	03/11/2011
FORCED OUTAGE							
Cent_Sect NTPC(V-4)	210	15/10/2011	13.10	20/10/2011	00.50	G.T.Fire	
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	
Bhusawal Unit 2	210	17/10/2011	13.24	19/10/2011	03.38	Low Drum Level	
Parli Unit 5	210	18/10/2011	22.10	19/10/2011	16.55	Air Heater Motor Replacement Work.	
Uran Unit 6	108	19/10/2011	00.16		Continued.	Suspected BTL.	24/10/2011
Bhusawal Unit 2	210	19/10/2011	07.05		Continued.	Tripped.	
CPP JSW (J) U4	300	19/10/2011	10.53	19/10/2011	12.32	Electrical Fault.	
Parli Unit 7	250	19/10/2011	18.00		Continued.	Flame Failure.	
Koyna ST-IV 1	250	20/10/2011	00.01		Continued.	Servo Motor D C Leakage.	24/10/2011

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Oct/2011

Position as on 6.30 Hrs of 20/Oct/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kalmeshwar - Pandurna	19/10/2011	09.26		Continued.	Erection of Tower for LILO.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli (PG)-Bhadravati I	08/10/2011	19.50		Continued.	Over Voltage
Parli-Solapur (PGCIL) Ckt.II	09/10/2011	20.49	19/10/2011	10.26	Over Voltage.
Akola - Wardha - I	16/10/2011	22.10	19/10/2011	10.59	Over Voltage
Parli (PGCIL)-Bhadravati-II	17/10/2011	20.10	19/10/2011	13.26	Over Voltage
Karad - Solapur (PGCIL)	17/10/2011	20.14	19/10/2011	09.15	Over Voltage
Kolhapur - Mapusa - II	18/10/2011	23.11	19/10/2011	11.12	Over Voltage.
Dabhol - NewKoyna - II	19/10/2011	10.06	19/10/2011	15.22	Sparking @ Isolator.
Parli-Parli (PGCIL) I	19/10/2011	21.40		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	20/10/2011	02.31		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Main Bus-II at Chakan	19/10/2011	08.38	19/10/2011	18.30	Red Hot.
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	19/10/2011	09.12		Continued.	Replacement of R,Y & B Ph.CTs.
Newkoyna - Jaigad - I	19/10/2011	09.21	19/10/2011	15.39	For Hooking up Existing Lene Metering to Four Feeder Summation Meter.
Parli - Solapur	19/10/2011	10.45	19/10/2011	18.26	Replacement of B Ph.Line CVT.
400/220 KV 315 MVA ICT-II @ Nagothane.	19/10/2011	10.45		Continued.	H V Side Taken on TBC.
Dabhol - New Koyna - I	19/10/2011	16.24	19/10/2011	21.15	Taken on TBC,Sparking in Isolator.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(8 MonthOutage)
220/132 KV 250 MVA ICT at Ambazari	05/08/2011	10.41		Continued.	ICT is to be replaced by 200 MVA ICT Upto 15.10.2011
220/100KV 200MVA ICT-I at Kalwa	19/10/2011	07.20	19/10/2011	09.50	Hot Spot.
Boiser PGCIL-Boiser II	19/10/2011	07.26		Continued.	Taken on TBC Hot Spot.
Karad-Pophali	19/10/2011	08.32	19/10/2011	09.10	Replacement of MICOM Display Card.
220/132 KV 100 MVA ICT @ Gadchiroli	19/10/2011	09.12	19/10/2011	12.15	Quarterly Maintainance Work of ICT.
Bale-Osmanbad	19/10/2011	09.17	19/10/2011	14.38	Jumper Replacement Work.
Main Bus @ Usmanabad	19/10/2011	09.18	19/10/2011	14.38	To Open Jumper of Solapur Bay.
Pophali - Kandalgaon	19/10/2011	09.20	19/10/2011	10.35	Replacement of MICOM Display Card.
220/100KV 200 MVA ICT-II @ Padgha	19/10/2011	09.26	19/10/2011	17.47	SFRA Test.
220/66 KV 50 MVA ICT-I @ Warora	19/10/2011	10.08	19/10/2011	10.21	Attending Hot Spot.
Butibori-Abhijeet ckt.	19/10/2011	10.28	19/10/2011	17.33	Quarterly Maintainance Work.
Padgha-Jambhul-I	19/10/2011	11.38	19/10/2011	16.39	Hot Spot.
Vita - Pandharpur	19/10/2011	12.23	19/10/2011	17.03	Replacement of R Ph. Insulator.
New Koyna-Pophali	19/10/2011	13.31	19/10/2011	14.32	Conductor Replacement.
Pawas-Kharepatan	19/10/2011	16.00	19/10/2011	18.52	Replacement of Insulator.
Voltage Level : 400KV			Outage Type HAND TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Oct/2011

Position as on 6.30 Hrs of 20/Oct/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - I	08/10/2011	17.22	19/10/2011	09.00	To control Over Voltage.
Bhusawal- Aurangabad	18/10/2011	20.15	19/10/2011	05.19	Over Voltage.
New Koyna-Karad-II	19/10/2011	11.08	19/10/2011	12.11	Taken on Own Bkr @ New Koyna End.
Bhusawal- Aurangabad	20/10/2011	00.30	20/10/2011	06.13	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	12/10/2011	19.56		Continued.	For System Stability.
Bale-Murud	16/10/2011	05.08		Continued.	To control Parli ICT loading.
Bale-Osmanbad	16/10/2011	05.08		Continued.	To control Parli ICT loading
Pedambe - Pophali - II	18/10/2011	18.25	19/10/2011	02.40	Conductor Snapped @ Pophali End.
Padgha-Temghar I	18/10/2011	18.46		Continued.	To Control Padgha ICT Loading.
Padgha - Temghar - II	18/10/2011	18.48		Continued.	To Control Padgha ICT Loading.
Badnera-Akola-II	19/10/2011	11.07	19/10/2011	15.30	To Control Wardha-Deoli Flow.
Badnera - Akola - I	19/10/2011	11.10	19/10/2011	11.28	To Control Wardha-Deoli Flow.
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.
400/220KV,500 MVA ICT-III at Nagothane.	29/09/2011	15.20		Continued.	NDR Trip.
400/220KV,100 MVA Spare Unit at Korady	04/10/2011	10.50		Continued.	Buchholz Alarm Recieved.
Voltage Level : 220KV			Outage Type TRIPPED		
Pedambe - Oni	18/10/2011	12.53	19/10/2011	13.20	B Ph Insulator Bus & Jumper Opened.
Dondaicha - Jamde - I	18/10/2011	17.12		Continued.	Towers Damaged.
Dondaicha - Jamde - II.	18/10/2011	17.12		Continued.	Towers Damaged.
Dondaicha - Walve	18/10/2011	17.18		Continued.	Towers Damaged.
Lamboti - Pandharpur	18/10/2011	19.19	19/10/2011	00.43	Distance Protection R Ph. C C Burst.
Lonikand-Ranjangaon	19/10/2011	05.04	19/10/2011	05.38	Distance Protection.
Mudshingi - Chikodi	19/10/2011	12.40	19/10/2011	13.10	Distance Protection.
Mudshingi - Chikodi	19/10/2011	17.33	19/10/2011	18.09	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Parbhani-Jintur	19/10/2011	15.12	19/10/2011	15.37	Distance Protection Operated Z-II Y-B Ph
Eldari - Jintur	19/10/2011	15.20		Continued.	B Phase Pole of C B Flashover.
null					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
50 MVAR Reactor of 400 KV Padgha-Bhoisor line	17/10/2011	19.47		Continued.	Oil Leakage at Padgha Reactor

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 20/Oct/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	140
Unit 6	210	155
Unit 7	210	0
	620	295
Bhusawal		
Unit 2	210	0
Unit 3	210	130
Unit 4	500	
	920	130
Parli		
Unit 3	210	130
Unit 4	210	120
Unit 5	210	130
Unit 6	250	150
Unit 7	250	0
	1130	530
Chandrapur		
Unit 1	210	160
Unit 2	210	140
Unit 3	210	190
Unit 4	210	190
Unit 5	500	400
Unit 6	500	350
Unit 7	500	350
	2340	1780
Paras		
Unit 3	250	120
Unit 4	250	120
	500	240
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	180
Unit 4	210	180
Unit 5	500	
	1340	720
Nasik		
Unit 3	210	135
Unit 4	210	126
Unit 5	210	126
	630	387
Uran		
All Units	852	460
	852	460
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	0
VTRNA	60	0
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	12
GHATGHAR	250	0
	611	127
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	985
WARDHA	405	433
Other CPPs	0	
	1005	1418
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	490
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1867
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5290
	3455	5290

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