



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Oct/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/Oct/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	109.484	2168.404	1) Gujrat	9.237	249.356
2) Hydro	4.735	210.867	2) Madhya Pradesh	18.985	390.308
3) Gas	11.047	204.426	3) Chattisgarh	13.300	258.282
Total MSGENCO	125.266	2583.697	4) Maharashtra	70.682	1261.844
B) 1) JSW JAIGAD	27.077	565.014	5) Goa	-5.437	-125.049
2) WPCL	7.714	181.454	6) TAPS 1&2 Injection	4.241	94.402
3) ADANI	9.560	170.350	7) RGPPL Injection	14.530	303.088
4) Other CPP / IPP	7.611	139.617	8) Pench (Excess)	-0.628	-15.220
5) Wind Generation	10.963	82.410	# Total Cent. Sector	124.910	2417.011
6) PENCH (MS)	0.628	15.220	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.834	-245.921
1) TPCL Thermal	24.318	598.494	G) Bilateral Power *		
2) TPCL Hydro	2.004	83.266	1) MSEDCL Bilateral	54.819	945.298
TOTAL TPCL	26.322	681.760	Include PX	8.847	44.727
3) REL Thermal	12.623	263.500	2) MUMBAI Bilateral	11.291	287.985
D) STATE			Include PX	0.670	52.647
1) Thermal (A1+C1+C3)	146.425	3030.398	3) MUMBAI Schedule	11.291	287.985
2) Hydro (A2+B5+C2)	7.367	309.353	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.047	204.426	1) MSEDCL	303.895	5908.852
4) Wind (B4)	10.963	82.410	2) TPCL	32.069	797.547
5) CPP (B1+B2+B3)	51.962	895.645	3) REL	16.717	393.613
TOTAL STATE	227.764	4522.232	TOTAL STATE	352.681	7100.012

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4671	5005	4089
MSGENCO Hydro	194	186	106
MSGENCO Gas	457	460	459
MSGENCO Total Generation	5322	5651	4654
Central Sector Receipt	5792	4952	5066
WIND	579	555	327
CPP / IPP	2257	2091	2099
Exchange with Mumbai	-405	-474	-189
MSEDCL DEMAND MET	13545	12825	12006
Load Shedding	689	5	5
MSEDCL DEMAND	14234	12830	12011
TPCL GENERATION	1194	1294	1020
R-INFRA GENERATION	528	526	527
TPCL+R-INFRA DEMAND	2127	2294	1736
STATE DEMAND MET	15672	15119	13742
STATE DEMAND	16361	15124	13747
Frequency (Hz)	49.94	50.18	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.48 Hz at 16.05 Hrs	49.61 Hz at 00.14 Hrs	50.03	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 21/Oct/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	3.28	62.46	143	126	140
Unit 7	3.36	42.90	180	110	120
Total	6.63	105.36			260
Bhusawal					
Unit 2	0.00	50.78	0	0	0
Unit 3	3.23	68.44	160	110	150
Unit 4	3.64	80.49	305	0	
Unit 5	0.00	0.00	0	0	
Total	6.88	199.71			150
Parli					
Unit 3	3.07	65.79	155	103	150
Unit 4	2.34	55.36	158	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	4.32	89.70	247	147	200
Unit 7	0.00	83.90	0	0	0
Total	9.73	294.75			350
Chandrapur					
Unit 1	3.38	69.48	153	126	150
Unit 2	3.56	68.93	160	130	160
Unit 3	4.33	80.92	200	139	200
Unit 4	4.47	65.94	200	169	200
Unit 5	8.11	125.77	400	130	300
Unit 6	11.00	187.22	480	425	450
Unit 7	8.06	166.33	408	290	350
Total	42.91	764.59			1810
Paras					
Unit 3	4.87	92.29	217	183	215
Unit 4	5.11	76.68	239	186	230
Total	9.98	168.98			445
Khaparkheda					
Unit 1	3.15	67.75	145	120	150
Unit 2	3.77	63.38	174	125	150
Unit 3	4.13	80.87	180	154	170
Unit 4	4.22	79.63	185	165	170
Unit 5	5.38	116.50	328	0	150
Total	20.66	408.12			790
Nasik					
Unit 3	4.50	88.09	200	175	190
Unit 4	3.95	54.44	190	102	180
Unit 5	4.25	84.37	192	170	180
Total	12.71	226.90			550
Uran					
All Units	11.05	204.43	487	369	450
Total	11.05	204.43			450
PENCH (MS)					
Pench (MS)	0.63	15.22	53	0	
Total	0.63	15.22			
Koyna					
Stage 1-2	1.53	67.81	210	40	600
Stage 4	1.31	66.48	282	0	250
Stage 3	0.20	30.41	104	0	320
Kovna 12&4 Total	2.84	134.29			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.04	164.70			1170
Hydro					
KDPH	0.00	0.19	0	0	0
VTRNA	0.00	0.24	0	0	0
TILLARI	0.10	4.39	55	0	60
BHTGR/VEER	0.12	2.95	5	5	5
BHIRA T.R.	0.22	5.28	80	0	80
RNGR+BHTSA	0.33	6.59	14	13	13
BHANDARDRA	0.48	4.26	20	20	20
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.36	11.45	23	12	9
GHATGHAR	0.07	10.83	62	0	
Total	1.70	46.17			187
Wind					
MalharPeth	0.96	5.26			
Vankuswadi	1.82	8.59			
ATIT	0.56	2.45			
Kale	0.40	2.87			
Satara	1.27	14.02			
Shirala	0.48	3.22			
K Mahankal	0.79	6.75			
Supa	0.24	1.31			
Vita	1.44	18.24			
Dondaicha	1.40	11.47			
Sakri	0.25	1.53			
Nandurbar	0.08	1.22			
Khandke	0.54	3.30			
Khaparale	0.72	2.18			
Total	10.96	82.41			
CPP					
JSW JAIGAD	27.08	565.01	1216	1049	1100
WARDHA	7.71	181.45	330	316	320
Adani	9.56	170.35	420	300	
Other CPPs	7.61	139.62			
Total	51.96	1056.44			1420
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.57	236.48	504	292	500
Trombay 6	3.95	151.51	237	155	500
Trombay 7A	2.88	57.70	125	78	120
Trombay 7B	1.63	33.19	69	56	60
Trombay 8	4.29	119.61	182	176	180
TATA Hydro	2.00	83.27	235	0	318
Total	26.32	681.76			1678
REL					
1&2	12.62	263.50	528	525	500
Total	12.62	263.50			500
Cent Sect					
Share					5546
Total					5546

MS PG CL	Thermal	109.48	2168.40			4355
	Thml+Gas	120.53	2372.83			4805
	Hydro	4.74	210.87			1357
	Total	125.27	2583.70			6162
State Total		227.76	4522.23			15306

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/Oct/2012

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	3792	146	458	4396	422	2264	5349	5428	-537	-443	12114	0	12114	2121	14235	49.79
2	3857	91	459	4407	413	2246	5388	5232	-442	-337	12008	5	12013	1942	13955	49.86
3	3924	91	459	4474	374	2226	5187	5181	-387	-276	12028	5	12033	1812	13845	49.97
4	4089	106	459	4654	327	2099	5063	5066	-414	-189	12006	5	12011	1736	13747	50.00
5	4164	340	460	4964	252	2148	5030	5094	-415	-161	12346	5	12351	1702	14053	49.93
6	4300	406	487	5193	232	2257	5294	5402	-308	-203	12934	3	12937	1747	14684	49.95
7	4175	423	484	5082	239	2229	5281	5361	-290	-199	12759	650	13409	1749	15158	50.02
8	4284	382	480	5146	252	2152	5447	5699	-413	-176	13097	714	13811	1731	15542	49.93
9	4216	471	477	5164	272	2263	5464	5754	-429	-286	13167	735	13902	1838	15740	50.02
10	4370	380	475	5225	375	2250	5692	5716	-401	-301	13265	597	13862	1963	15825	50.14
11	4605	240	462	5307	456	2227	5741	5772	-465	-375	13387	586	13973	2075	16048	49.97
12	4671	194	457	5322	579	2257	5774	5792	-494	-405	13545	689	14234	2127	16361	49.94
13	4709	123	456	5288	625	2257	5794	5703	-495	-481	13392	779	14171	2181	16352	50.12
14	4781	92	456	5329	526	2153	5796	5584	-494	-436	13156	616	13772	2132	15904	50.04
15	4887	97	458	5442	491	2103	5792	5661	-494	-502	13195	556	13751	2131	15882	50.10
16	4845	92	458	5395	417	2065	5600	5469	-494	-404	12942	386	13328	2076	15404	50.01
17	4912	92	462	5466	528	2094	5396	5094	-494	-420	12762	197	12959	2048	15007	50.11
18	5003	100	460	5563	353	2077	4774	4315	-394	-370	11956	10	11966	2084	14050	50.14
19	5058	303	460	5821	445	2095	5223	4834	-488	-461	12784	7	12791	2271	15062	50.13
20	5005	186	460	5651	555	2091	5468	4952	-577	-474	12825	5	12830	2294	15124	50.18
21	5001	102	465	5568	608	2108	5326	4734	-566	-587	12481	5	12486	2291	14777	50.18
22	4971	96	464	5531	662	2110	5109	4531	-579	-688	12168	2	12170	2270	14440	50.13
23	4962	91	462	5515	750	2095	4840	4333	-618	-796	11919	0	11919	2244	14163	50.08
24	4903	91	369	5363	810	2096	4582	4203	-605	-864	11659	0	11659	2214	13873	50.06
MUs	109.48	4.74	11.05	125.27	10.96	51.96	128.41	124.91	-11.29	-9.83	303.90	6.56	310.45	48.78	359.23	50.03

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 21/Oct/2012

Position as on 6.30 Hrs of 22/Oct/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refueling work.	
Parli Unit 5	210	06/09/2012	04.20		Continued.	Flame failure,converted to C.O.H from 15.09.2012(intimated on	29/10/2012
Koradi Unit 5	200	16/09/2012	04.23		Continued.	Low Bunkering, Converted to C O H from 20/09/2012.	
FORCED OUTAGE							
Tata TATA Hydro	444	05/09/2012	03:30		Continued.	BHIRA (BPSU-150MW)Unit tripped due to stator winding fault.	31/12/2012
Dabhol 2B	230	18/09/2012	18.42		Continued.	Gas shortage.	
Bhusawal Unit 5	500	29/09/2012	23.17		Continued.	B.T.G. & D.O.P. Work.	
Dabhol 2X	290	02/10/2012	07.15		Continued.	Gas Shortage.	
Dabhol 2A	230	02/10/2012	07.16		Continued.	Gas Shortage.	
Dabhol 1A	230	05/10/2012	15.00		Continued.	Gas Shortage.	
Uran Unit 8	108	07/10/2012	10.43		Continued.	Gas Shortage.	
Dabhol 1X	290	09/10/2012	13.56		Continued.	Gas Shortage.	
Dabhol 1B	230	09/10/2012	13.56		Continued.	Gas Shortage.	
CPP WPCL U-2	135	17/10/2012	00.23		Continued.	Bottom ash problem.	
Khaparkheda Unit 5	500	17/10/2012	21.24	21/10/2012	04.56	Boiler feed pump tripped.	
Bhusawal Unit 2	210	19/10/2012	22.22		Continued.	ID Fan Problem	
Parli Unit 7	250	20/10/2012	12.28		Continued.	Boiler Tube Leakage.	23/10/2012
Bhusawal Unit 4	500	20/10/2012	22.04	21/10/2012	09.27	Boiler Feed Water Pump.	
Parli Unit 4	210	20/10/2012	23.50	21/10/2012	03.10	Flame Failure	
Parli Unit 4	210	21/10/2012	06.10	21/10/2012	09.40	Furnace Pressure High	
Uran Unit A0	120	21/10/2012	23.48	22/10/2012	04.47	Bypass Fault.	
CPP WPCL U-3	135	22/10/2012	08.53		Continued.	Withdrawn.	
Uran Unit 7	108	22/10/2012	15.21		Continued.	Gas Shortage	
Uran Unit B0	120	22/10/2012	15.24		Continued.	Gas Shortage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Oct/2012

Position as on 6.30 Hrs of 22/Oct/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur (PG) II	25/09/2012	20.43		Continued.	Over Voltage.
Dhule-S'Sarovar I	19/10/2012	23.50	22/10/2012	19.13	Over Voltage
Kolhapur - Mapusa - I	20/10/2012	16.16		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	22/10/2012	22.43		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Maintenance work.
400/220KV,200MVA Spare ICT at Kalwa.	22/08/2012	09.57		Continued.	Replacement of Isolator
HVDC AC Bay - I at Chandrapur	19/10/2012	15.51	21/10/2012	20.49	Hot Spot,taken on TBC due to PDR problem in Main Breaker
Khadka-Deepnagar-I	21/10/2012	10.45	21/10/2012	18.13	For Taking Cold Yrial of 89A,89B.89D.
Koradi - Indiabull (Nandgaonpeth)	22/10/2012	07.49	22/10/2012	11.53	To Attend Chatering Noise on B Ph. Wave Trap.
Main Bus-II @ APML Tiroda	22/10/2012	10.00	22/10/2012	18.17	To Attend Bus Isolator Problem.
Khadka - Deepnagar - I	22/10/2012	12.11	22/10/2012	12.14	First Time Charged.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
Kalwa - Salshet - III	15/10/2012	09.11		Continued.	Replace Main Breaker,Taken on TBC,For 15 Days.
220/100KV 200MVA ICT-III at Kalwa	19/10/2012	08.49	22/10/2012	11.18	Air Cell of Conservator Tank
Kalwa - Khargar	19/10/2012	08.55		Continued.	Mumbai Strengthing work
Mahape - Siemens	19/10/2012	10.09		Continued.	Mumbai Strengthing work
TBC @ Khaparkheda	21/10/2012	07.20	21/10/2012	17.00	Replacement of C T.
Pophali - Pedambe - II	21/10/2012	08.45	21/10/2012	16.20	Preventetive Maintenance.
Aarey - Borivali	21/10/2012	09.33	21/10/2012	11.20	Hot Spot.
Ambazari-Amravati	22/10/2012	08.15	22/10/2012	16.44	Replacement of Disc Insulator @ Cut Point Locations.
Pedambe-Tambati	22/10/2012	08.40	22/10/2012	13.20	Conductor Replacement.
220/100KV 200MVA ICT-II at Kalwa	22/10/2012	09.30		Continued.	To Attend Heavy Oil Leakage.
Main Bus-I at Pawas	22/10/2012	09.35	22/10/2012	17.20	C T Replacement of 220/33KV 25 MVA T/F.
220/132 KV 200 MVA ICT-II @ Boiser	22/10/2012	10.19	22/10/2012	14.11	To Attend CTR Oil Leakage.
Nagothane-MSL	22/10/2012	10.49	22/10/2012	17.47	R Ph. P T Replacement.
220/100 KV,200MVA ICT - I at Padgha	22/10/2012	12.09	22/10/2012	18.20	Transformer Oil Topup.
Pophali-New Koyna	22/10/2012	12.45	22/10/2012	15.40	Blackstart Mockoril @ Pophali.
Pophali - Pedambe	22/10/2012	13.34	22/10/2012	16.30	Blackstart Mockoril @ Pophali.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Lonikand - Chakan	22/10/2012	12.59	22/10/2012	14.20	C T Secondary Sparking.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Wardha Power - Warora-I	22/10/2012	13.35	22/10/2012	14.54	For Attending Hot Spot in Bus Side

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Oct/2012

Position as on 6.30 Hrs of 22/Oct/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
					Jumper.
Jejuri I-Jejuri II	22/10/2012	19.32	22/10/2012	23.49	Red Hot R Ph. Wave Trap.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz protection operated.
Bhusawal- Aurangabad	19/10/2012	15.20	21/10/2012	10.49	Over Voltage
Aurangabad-Deepnagar-II	19/10/2012	15.26	21/10/2012	02.38	Over Voltage
Karad - Kolhapur - II	20/10/2012	16.09	21/10/2012	09.28	Over Voltage.
Deepnagar-Aurangabad-I	21/10/2012	02.45		Continued.	Due to Carrier Failed.
Karad - Kolhapur - I	21/10/2012	16.08	22/10/2012	08.50	Over Voltage.
Bhusawal- Aurangabad	21/10/2012	18.07	22/10/2012	06.22	Over Voltage.
Karad - Kolhapur - II	21/10/2012	21.09		Continued.	Over Voltage.
Khadka - Deepnagar - II	22/10/2012	21.51		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 315 MVA ICT-II @ Dhule	04/08/2012	17.21		Continued.	B Ph. H V Side ICT-II Bushing Burst.
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated.
Voltage Level : 220KV			Outage Type TRIPPED		
Lonand - Jejuri	22/10/2012	06.25	22/10/2012	07.00	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
132/11 KV 16 MVA T/F - I @ Nanded	07/10/2012	04.25		Continued.	Caught Fired.
Ambazari - Amravati	20/10/2012	10.21	21/10/2012	00.31	Dist.Prot. Operated Z-I @ Loc. 132.133 Y Ph.Conductor Snapped.
132/11 KV 25 MVA T/F @ Indapur	20/10/2012	21.55	21/10/2012	02.50	OLTC Bucholz's Alarm.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/Oct/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	150
	620	300
Bhusawal		
Unit 2	210	0
Unit 3	210	150
Unit 4	500	
Unit 5	500	
	1420	150
Parli		
Unit 3	210	160
Unit 4	210	150
Unit 5	210	0
Unit 6	250	180
Unit 7	250	0
	1130	490
Chandrapur		
Unit 1	210	160
Unit 2	210	160
Unit 3	210	190
Unit 4	210	190
Unit 5	500	350
Unit 6	500	450
Unit 7	500	350
	2340	1850
Paras		
Unit 3	250	210
Unit 4	250	210
	500	420
Khaparkheda		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	170
Unit 4	210	170
Unit 5	500	250
	1340	890
Nasik		
Unit 3	210	190
Unit 4	210	180
Unit 5	210	180
	630	550
Uran		
All Units	852	450
	852	450
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

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	55
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	20
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	
	611	182
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	1094
WARDHA	405	360
Adani	660	
Other CPPs	0	
	1665	1454
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	180
TATA Hydro	444	318
	2024	1678
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5546
	3455	5546