



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

State Load Dispatch Center, Airoli

Daily system Report

for

27/Oct/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 27/Oct/2012 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	111.884	2830.627	1) Gujrat	9.189	313.761
2) Hydro	14.732	287.834	2) Madhya Pradesh	20.991	510.255
3) Gas	7.365	254.215	3) Chattisgarh	13.020	336.832
Total MSGENCO	133.981	3372.676	4) Maharashtra	62.928	1660.709
B) 1) JSW JAIGAD	28.998	732.585	5) Goa	-6.720	-164.410
2) WPCL	5.701	219.299	6) TAPS 1&2 Injection	3.714	117.882
3) ADANI	9.540	227.640	7) RGPPL Injection	13.435	386.730
4) Other CPP / IPP	7.147	184.229	8) Pench (Excess)	-1.137	-20.669
5) Wind Generation	4.941	109.884	# Total Cent. Sector	115.420	3141.090
6) PENCH (MS)	1.137	20.669	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-8.055	-317.007
1) TPCL Thermal	30.061	772.063	G) Bilateral Power *		
2) TPCL Hydro	3.884	106.179	1) MSEDCL Bilateral	47.908	1219.661
TOTAL TPCL	33.945	878.242	Include PX	9.827	70.523
3) REL Thermal	12.579	338.218	2) MUMBAI Bilateral	11.406	365.448
D) STATE			Include PX	1.890	69.495
1) Thermal (A1+C1+C3)	154.524	3940.908	3) MUMBAI Schedule	11.406	365.448
2) Hydro (A2+B5+C2)	19.753	414.682	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.365	254.215	1) MSEDCL	298.810	7691.065
4) Wind (B4)	4.941	109.884	2) TPCL	35.941	1025.655
5) CPP (B1+B2+B3)	51.386	1145.653	3) REL	18.633	507.793
TOTAL STATE	237.969	5865.342	TOTAL STATE	353.384	9224.513

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4665	4734	4645
MSGENCO Hydro	699	915	91
MSGENCO Gas	293	291	317
MSGENCO Total Generation	5657	5940	5053
Central Sector Receipt	5700	5207	3992
WIND	234	171	222
CPP / IPP	2166	2110	2143
Exchange with Mumbai	-367	-363	-110
MSEDCL DEMAND MET	13420	13117	11352
Load Shedding	636	427	202
MSEDCL DEMAND	14056	13544	11554
TPCL GENERATION	1714	1664	1104
R-INFRA GENERATION	524	523	526
TPCL+R-INFRA DEMAND	2605	2550	1740
STATE DEMAND MET	16025	15667	13092
STATE DEMAND	16661	16094	13294
Frequency (Hz)	49.79	49.79	50.10

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.33 Hz at 06.00 Hrs	49.49 Hz at 17.38 Hrs	49.96	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 27/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	0.00	70.29	0	0	0
Unit 7	3.58	63.66	173	125	132
Total	3.58	133.95			132
Bhusawal					
Unit 2	0.00	50.78	0	0	0
Unit 3	3.48	89.92	150	135	134
Unit 4	9.94	115.17	430	400	
Unit 5	0.00	0.00	0	0	
Total	13.42	255.87			134
Parli					
Unit 3	3.11	85.31	149	117	125
Unit 4	3.44	75.52	155	132	153
Unit 5	0.00	0.00	0	0	0
Unit 6	3.88	112.30	191	94	157
Unit 7	3.87	93.10	185	125	130
Total	14.30	366.24			565
Chandrapur					
Unit 1	3.20	89.81	144	119	150
Unit 2	2.82	88.50	132	108	120
Unit 3	3.90	106.11	177	148	160
Unit 4	3.75	90.95	172	131	160
Unit 5	9.65	181.56	425	355	400
Unit 6	10.56	233.20	475	385	450
Unit 7	9.18	223.18	438	279	400
Total	43.06	1013.31			1840
Paras					
Unit 3	4.99	123.81	240	175	190
Unit 4	5.36	108.61	253	163	220
Total	10.36	232.42			410
Khaparkheda					
Unit 1	3.64	88.90	170	125	168
Unit 2	0.00	70.64	0	0	0
Unit 3	4.04	104.80	184	151	177
Unit 4	3.54	102.73	156	140	140
Unit 5	7.30	161.07	341	264	314
Total	18.53	528.15			799
Nasik					
Unit 3	0.35	110.75	176	0	0
Unit 4	4.08	79.53	181	154	180
Unit 5	4.21	110.41	189	160	190
Total	8.64	300.68			370
Uran					
All Units	7.36	254.22	321	291	300
Total	7.36	254.22			300
PENCH (MS)					
Pench (MS)	1.14	20.67	54	27	
Total	1.14	20.67			
Koyna					
Stage 1-2	5.03	91.55	495	40	600
Stage 4	4.46	93.18	776	0	250
Stage 3	2.13	41.43	320	0	320
Kovna 12&4 Total	9.49	184.73			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	11.62	226.17			1170
Hydro					
KDPH	0.00	0.19	0	0	0
VTRNA	0.00	0.24	0	0	0
TILLARI	0.36	5.68	60	0	60
BHTGR/VEER	0.09	3.64	5	3	5
BHIRA T.R.	0.24	6.62	56	0	80
RNGR+BHTSA	0.35	8.67	15	14	15
BHANDARDRA	0.60	8.25	25	25	24
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.23	12.49	17	7	8
GHATGHAR	1.24	15.89	120	0	0
Total	3.11	61.67			192
Wind					
MalharPeth	0.48	7.51			
Vankuswadi	0.78	12.62			
ATIT	0.18	2.93			
Kale	0.24	4.16			
Satara	0.41	17.26			
Shirala	0.23	4.47			
K Mahankal	0.29	9.99			
Supa	0.06	1.70			
Vita	0.69	22.15			
Dondaicha	0.91	15.26			
Sakri	0.07	2.08			
Nandurbar	0.09	1.47			
Khandke	0.26	4.67			
Khaparale	0.24	3.62			
Total	4.94	109.88			
CPP					
JSW JAIGAD	29.00	732.58	1214	1202	1100
WARDHA	5.70	219.30	241	229	238
Adani	9.54	227.64	400	390	
Other CPPs	7.15	184.23			
Total	51.39	1363.75			1338
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.95	305.93	503	483	500
Trombay 6	7.47	194.64	493	154	500
Trombay 7A	2.91	75.23	126	116	120
Trombay 7B	1.64	43.05	69	66	60
Trombay 8	6.09	153.21	255	251	250
TATA Hydro	3.88	106.18	294	0	318
Total	33.94	878.24			1748
REL					
1&2	12.58	338.22	526	522	500
Total	12.58	338.22			500
Cent Sect					
Share					4905
Total					4905

MS PG CL	Thermal	111.88	2830.63			4250
	Thml+Gas	119.25	3084.84			4550
	Hydro	14.73	287.83			1362
	Total	133.98	3372.68			5912
State Total		237.97	5865.34			14403

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 27/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	4743	336	314	5393	134	2168	4322	4342	-619	-492	11596	129	11725	2136	13861	50.01
2	4737	106	317	5160	165	2170	4121	4245	-496	-326	11465	171	11636	1935	13571	50.03
3	4584	106	317	5007	172	2146	4009	4123	-412	-185	11314	188	11502	1816	13318	50.00
4	4645	91	317	5053	222	2143	4008	3992	-385	-110	11352	202	11554	1740	13294	50.10
5	4667	106	318	5091	251	2151	4056	4149	-386	-95	11598	227	11825	1723	13548	50.01
6	4663	141	321	5125	267	2160	4355	4510	-387	-133	11980	346	12326	1762	14088	49.89
7	4711	456	319	5486	283	2172	4366	4611	-389	-194	12409	594	13003	1824	14827	50.00
8	4699	932	316	5947	243	2170	4492	4570	-389	-231	12753	598	13351	1870	15221	49.86
9	4663	893	308	5864	231	2172	4475	4652	-394	-283	12673	597	13270	2071	15341	49.96
10	4707	670	304	5681	204	2180	4837	4932	-398	-297	12727	497	13224	2359	15583	50.03
11	4658	533	292	5483	218	2177	5334	5618	-498	-351	13175	510	13685	2558	16243	49.87
12	4665	699	293	5657	234	2166	5393	5700	-558	-367	13420	636	14056	2605	16661	49.79
13	4689	707	295	5691	216	2172	5420	5657	-546	-394	13375	744	14119	2612	16731	49.86
14	4686	951	295	5932	181	2102	5332	5541	-452	-359	13448	639	14087	2564	16651	49.93
15	4714	1057	295	6066	119	2115	5314	5595	-444	-388	13558	562	14120	2607	16727	49.91
16	4653	1421	291	6365	139	2107	5291	5277	-446	-408	13531	513	14044	2600	16644	49.83
17	4734	915	291	5940	171	2110	5325	5207	-426	-363	13117	427	13544	2550	16094	49.79
18	4725	1083	301	6109	102	2112	4456	4451	-362	-321	12505	373	12878	2507	15385	49.84
19	4630	1322	303	6255	139	2114	4598	4777	-483	-374	12965	240	13205	2577	15782	49.95
20	4597	848	308	5753	195	2105	4902	4803	-628	-366	12543	245	12788	2580	15368	50.02
21	4622	321	311	5254	264	2108	4857	5020	-566	-409	12288	226	12514	2482	14996	50.06
22	4628	190	314	5132	268	2115	4600	4627	-558	-492	11701	212	11913	2413	14326	50.08
23	4604	330	311	5245	250	2125	4422	4556	-582	-547	11680	145	11825	2362	14187	50.08
24	4460	518	314	5292	273	2126	4323	4465	-600	-570	11637	110	11747	2326	14073	50.06
MUs	111.88	14.73	7.36	133.98	4.94	51.39	112.61	115.42	-11.41	-8.06	298.81	9.13	307.94	54.58	362.52	49.96

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 27/Oct/2012

Position as on 6.30 Hrs of 28/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.	
Uran Unit 8	108	07/10/2012	10.43		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.	
Bhusawal Unit 2	210	19/10/2012	22.22		Continued.	ID Fan Problem	
Khaparkheda Unit 2	210	24/10/2012	07.45		Continued.	BLR T/L.	
Cent_Sect TARAPUR-4	540	24/10/2012	20:53		Continued.	Steam Generator Flow Down Line Leakage	
CPP WPCL U-1	135	25/10/2012	1901	28/10/2012	00.42	Main steam leakage.	
Uran Unit B0	120	26/10/2012	13.22		Continued.	Gas Shortage	
Uran Unit 7	108	26/10/2012	13.26		Continued.	Gas Shortage	
Koyna Unit 1	75	27/10/2012	08.05	27/10/2012	16.50	P.M.Work	
Tata Trombay 7B	60	28/10/2012	00.26	28/10/2012	12.00	GT Bushing Testing	
Tata Trombay 7B	60	28/10/2012	12.36	28/10/2012	18.54	G T Bushing Testing.	
Tata Trombay 7A	120	28/10/2012	12.36	28/10/2012	17.35	Divoter Damper Low Oil Pressure.	
Paras Unit 4	250	28/10/2012	21.25		Continued.	Preheater Problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Oct/2012

Position as on 6.30 Hrs of 28/Oct/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Karad - Solapur (PGCIL)	27/10/2012	11.33	27/10/2012	13.21	To attend E/W fallen on Cross Arm
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Boiser-Boiser(PGCIL)-I	28/10/2012	10.50	28/10/2012	14.02	Spot & C T Tan Delta.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur (PG) II	25/09/2012	20.43	27/10/2012	14.02	Over Voltage.
Kolhapur - Mapusa - I	26/10/2012	16.36		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	26/10/2012	22.23	27/10/2012	20.20	Over Voltage
Kolhapur-Solapur(PGCIL)-I	27/10/2012	13.18		Continued.	Bus Isolator heavy sparking observed
Dhule-Sar'Sarovar - II	27/10/2012	22.35	28/10/2012	07.38	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	26/10/2012	14.05		Continued.	Hand Tripped
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
400/220 KV 500 MVA ICT - II at Khaparkheda	26/10/2012	10.20		Continued.	Erection of New C.B. and Testing
400/220 KV,500MVA ICT-II at Deenagar.	27/10/2012	12.16	27/10/2012	17.46	Attending CTR Fire Detector trip alarm
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	28/10/2012	08.54	Replacement of Main Breaker(Taken on TBC For 15 Days)
Kalwa - Khargar	19/10/2012	08.55		Continued.	Mumbai Strengthing work
Mahape - Siemens	19/10/2012	10.09		Continued.	Mumbai Strengthing work
Chandrapur - Chandrapur MIDC	25/10/2012	07.20		Continued.	Restranging wok .
220/132 KV, 200 MVA ICT - 6 at Nasik	27/10/2012	09.46	27/10/2012	15.21	Tan Delta and LV side CT replacement
220/132KV 200MVA ICT-III at BBLSR	27/10/2012	09.55	27/10/2012	14.55	Q.M.Work
Lonand - Bothe (Surwadi)	27/10/2012	10.02		Continued.	220KV Peripheral unit Configuration
Chinchwad - Hinjewadi	27/10/2012	10.18	27/10/2012	18.25	Line Maint.work
Miraj - Mhaisal	27/10/2012	10.26	27/10/2012	16.40	Replacement of Insulator
Mumewadi-Halkarni-II	27/10/2012	10.32	27/10/2012	12.23	Red Hot
Kalwa - Salshet - III	28/10/2012	08.55	28/10/2012	13.55	Trip Trials on Newly Repl.Breaker.
Chandrapur-Gadchandur	28/10/2012	09.17		Continued.	For Erection of 4 Inline Towers upto 31.10.2012.
Khargar-Topworth	28/10/2012	09.25	28/10/2012	17.05	Repl. of Insulator @ Loc.No.671 Over Railway Crossing.
Dahanu - Ghodbandar - I	28/10/2012	09.29	28/10/2012	11.06	Positioning of Vibration Damper @ Loc. No. LS 181.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Padgha - Nagothane - I	28/10/2012	12.55		Continued.	Taken on TBC (Air Compressor Prob.)

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 27/Oct/2012

Position as on 6.30 Hrs of 28/Oct/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Lonand - Jejuri	28/10/2012	12.21	28/10/2012	15.58	Taken on TBC (Air Compressor Prob.)
Vita - Lamboti	28/10/2012	17.23	28/10/2012	20.03	Hot Spot.
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.
Deepnagar-Aurangabad-I	21/10/2012	02.45		Continued.	Due to Carrier Failed.
Khadka - Deepnagar - II	22/10/2012	21.51		Continued.	Over Voltage.
Bhusawal- Aurangabad	23/10/2012	20.02	27/10/2012	09.20	Over Voltage.
Karad - Kolhapur - II	26/10/2012	16.07	27/10/2012	09.53	Over Voltage
Karad - Kolhapur - I	27/10/2012	17.34		Continued.	Over Voltage
Bhusawal- Aurangabad	27/10/2012	19.04		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
Apta-Uran-IV	26/10/2012	22.26	27/10/2012	16.47	R Phase CC Burnt at Apta
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.
Nagothane-Dabhol-I	26/10/2012	07.45	27/10/2012	06.36	Distance Protection
Voltage Level : 220KV			Outage Type TRIPPED		
Kandalgaon - Pirangut	27/10/2012	18.18	27/10/2012	18.50	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.
Tiwsa-Talegaon Ckt.	24/10/2012	10.52		Continued.	B-Ph CT Burst.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 28/Oct/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	160
	620	160
Bhusawal		
Unit 2	210	0
Unit 3	210	150
Unit 4	500	0
Unit 5	500	0
	1420	150
Parli		
Unit 3	210	120
Unit 4	210	145
Unit 5	210	0
Unit 6	250	180
Unit 7	250	160
	1130	605
Chandrapur		
Unit 1	210	150
Unit 2	210	120
Unit 3	210	130
Unit 4	210	150
Unit 5	500	300
Unit 6	500	400
Unit 7	500	250
	2340	1500
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
Khaparkheda		
Unit 1	210	150
Unit 2	210	0
Unit 3	210	170
Unit 4	210	170
Unit 5	500	300
	1340	790
Nasik		
Unit 3	210	0
Unit 4	210	180
Unit 5	210	190
	630	370
Uran		
All Units	852	300
	852	300
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	60
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	25
ELDARY	23	0
SMLHY PTN	12	8
GHATGHAR	250	0
	611	193
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	1100
WARDHA	405	362
Adani	660	
Other CPPs	0	
	1665	1462
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	0
Trombay 8	250	250
TATA Hydro	444	318
	2024	1688
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5181
	3455	5181