



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

State Load Dispatch Center, Airoli

Daily system Report

for

28/Oct/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 28/Oct/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	109.615	2940.242	1) Gujrat	10.372	324.133
2) Hydro	10.327	298.161	2) Madhya Pradesh	20.087	530.342
3) Gas	7.333	261.548	3) Chattisgarh	12.910	349.742
Total MSGENCO	127.275	3499.951	4) Maharashtra	63.192	1723.901
B) 1) JSW JAIGAD	28.846	761.431	5) Goa	-6.187	-170.597
2) WPCL	8.419	227.718	6) TAPS 1&2 Injection	3.764	121.646
3) ADANI	9.550	237.190	7) RGPPL Injection	13.457	400.187
4) Other CPP / IPP	7.649	191.878	8) Pench (Excess)	-1.054	-21.723
5) Wind Generation	6.373	116.257	# Total Cent. Sector	116.541	3257.631
6) PENCH (MS)	1.054	21.723	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-9.182	-326.189
1) TPCL Thermal	24.438	796.501	G) Bilateral Power *		
2) TPCL Hydro	3.091	109.270	1) MSEDCL Bilateral	48.744	1268.405
TOTAL TPCL	27.529	905.771	Include PX	10.029	80.552
3) REL Thermal	12.584	350.802	2) MUMBAI Bilateral	11.666	377.115
D) STATE			Include PX	0.864	70.360
1) Thermal (A1+C1+C3)	146.637	4087.545	3) MUMBAI Schedule	11.666	377.115
2) Hydro (A2+B5+C2)	14.472	429.154	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.333	261.548	1) MSEDCL	296.525	7987.590
4) Wind (B4)	6.373	116.257	2) TPCL	32.438	1058.093
5) CPP (B1+B2+B3)	54.464	1190.577	3) REL	16.853	524.646
TOTAL STATE	229.279	6085.081	TOTAL STATE	345.816	9570.329

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 19 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4745	4666	4349
MSGENCO Hydro	908	966	106
MSGENCO Gas	297	303	315
MSGENCO Total Generation	5950	5935	4770
Central Sector Receipt	5328	4768	4282
WIND	318	182	299
CPP / IPP	2253	2293	2253
Exchange with Mumbai	-428	-504	-203
MSEDCL DEMAND MET	13468	12721	11452
Load Shedding	498	298	196
MSEDCL DEMAND	13966	13019	11648
TPCL GENERATION	1187	1234	1038
R-INFRA GENERATION	523	526	527
TPCL+R-INFRA DEMAND	2138	2264	1768
STATE DEMAND MET	15606	14985	13220
STATE DEMAND	16104	15283	13416
Frequency (Hz)	49.89	50.00	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.4 Hz at 09.01 Hrs	49.56 Hz at 07.02 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 28/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	4.01	67.67	195	120	160
Total	4.01	137.96			160
Bhusawal					
Unit 2	0.00	50.78	0	0	0
Unit 3	3.55	93.47	165	125	150
Unit 4	9.68	124.85	435	294	0
Unit 5	0.00	0.00	0	0	0
Total	13.23	269.10			150
Parli					
Unit 3	2.91	88.22	152	77	120
Unit 4	3.58	79.11	172	137	145
Unit 5	0.00	0.00	0	0	0
Unit 6	3.80	116.10	177	119	180
Unit 7	3.91	97.01	189	143	160
Total	14.20	380.44			605
Chandrapur					
Unit 1	3.24	93.05	150	117	150
Unit 2	3.09	91.59	150	105	120
Unit 3	3.48	109.59	189	114	130
Unit 4	3.73	94.68	189	116	150
Unit 5	7.44	189.00	330	295	300
Unit 6	10.46	243.66	480	375	400
Unit 7	7.81	230.99	407	236	250
Total	39.25	1052.56			1500
Paras					
Unit 3	5.63	129.44	254	209	230
Unit 4	5.10	113.72	250	0	230
Total	10.73	243.16			460
Khaparkheda					
Unit 1	3.88	92.79	175	135	150
Unit 2	0.00	70.64	0	0	0
Unit 3	3.96	108.76	185	151	170
Unit 4	4.14	106.87	187	154	170
Unit 5	7.60	168.67	370	280	300
Total	19.58	547.73			790
Nasik					
Unit 3	0.00	110.75	0	0	0
Unit 4	4.15	83.68	187	159	180
Unit 5	4.46	114.87	192	174	190
Total	8.61	309.29			370
Uran					
All Units	7.33	261.55	319	286	300
Total	7.33	261.55			300
PENCH (MS)					
Pench (MS)	1.05	21.72	51	20	
Total	1.05	21.72			
Koyna					
Stage 1-2	4.34	95.88	480	40	600
Stage 4	2.61	95.79	595	0	250
Stage 3	1.51	42.94	160	0	320
Kovna 12&4 Total	6.94	191.68			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	8.45	234.62			1170
Hydro					
KDPH	0.00	0.19	0	0	0
VTRNA	0.00	0.24	0	0	0
TILLARI	0.24	5.92	60	0	60
BHTGR/VEER	0.02	3.66	1	1	5
BHIRA T.R.	0.24	6.86	81	0	80
RNGR+BHTSA	0.37	9.04	16	15	15
BHANDARDRA	0.58	8.83	24	24	25
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.20	12.70	16	6	8
GHATGHAR	0.22	16.11	125	0	0
Total	1.88	63.54			193
Wind					
MalharPeth	0.63	8.14			
Vankuswadi	1.08	13.70			
ATIT	0.30	3.23			
Kale	0.25	4.41			
Satara	0.68	17.94			
Shirala	0.30	4.78			
K Mahankal	0.41	10.40			
Supa	0.14	1.84			
Vita	1.02	23.16			
Dondaicha	1.05	16.31			
Sakri	0.11	2.18			
Nandurbar	0.06	1.54			
Khandke	0.21	4.88			
Khaparale	0.13	3.76			
Total	6.37	116.26			
CPP					
JSW JAIGAD	28.85	761.43	1213	1170	1100
WARDHA	8.42	227.72	368	239	362
Adani	9.55	237.19	410	390	
Other CPPs	7.65	191.88			
Total	54.46	1418.22			1462
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	12.01	317.94	505	493	500
Trombay 6	3.76	198.40	157	156	500
Trombay 7A	2.24	77.48	129	0	120
Trombay 7B	0.33	43.38	67	0	0
Trombay 8	6.10	159.30	256	252	250
TATA Hydro	3.09	109.27	275	0	318
Total	27.53	905.77			1688
REL					
1&2	12.58	350.80	527	523	500
Total	12.58	350.80			500
Cent Sect					
Share					5181
Total					5181

MS PG CL	Thermal	109.62	2940.24			4035
	Thml+Gas	116.95	3201.79			4335
	Hydro	10.33	298.16			1363
	Total	127.28	3499.95			5698
State Total		229.28	6085.08			14529

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/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	4367	593	310	5270	268	2156	4395	4559	-587	-463	11841	126	11967	2123	14090	49.90
2	4335	460	312	5107	291	2188	4274	4286	-488	-367	11556	166	11722	1945	13667	49.96
3	4327	131	313	4771	316	2216	4260	4374	-419	-277	11451	180	11631	1835	13466	49.95
4	4349	106	315	4770	299	2253	4261	4282	-428	-203	11452	196	11648	1768	13416	50.01
5	4341	156	318	4815	301	2269	4275	4462	-441	-167	11731	232	11963	1730	13693	49.92
6	4421	226	318	4965	335	2273	4599	4689	-441	-204	12109	304	12413	1768	14181	49.96
7	4560	194	318	5072	355	2267	4540	4616	-441	-185	12176	388	12564	1749	14313	49.95
8	4600	466	319	5385	301	2288	4529	4698	-426	-178	12540	590	13130	1746	14876	49.87
9	4715	248	318	5281	251	2273	5076	5168	-329	-267	12752	578	13330	1841	15171	49.86
10	4790	496	318	5604	332	2274	5109	5175	-368	-314	13091	584	13675	1972	15647	50.05
11	4750	607	304	5661	358	2261	5208	5335	-487	-381	13281	490	13771	2073	15844	49.84
12	4745	908	297	5950	318	2253	5211	5328	-494	-428	13468	498	13966	2138	16104	49.89
13	4723	711	294	5728	314	2264	5249	5246	-496	-481	13118	646	13764	2160	15924	49.90
14	4654	676	286	5616	269	2252	5278	5433	-496	-435	13182	577	13759	2110	15869	49.85
15	4599	1002	288	5889	217	2280	5283	5354	-494	-447	13340	530	13870	2118	15988	50.00
16	4628	818	289	5735	187	2282	5302	5462	-494	-440	13273	467	13740	2110	15850	49.96
17	4684	336	290	5310	141	2286	5288	5397	-443	-411	12743	414	13157	2078	15235	49.96
18	4665	391	303	5359	97	2281	4615	4685	-396	-390	12072	348	12420	2072	14492	50.01
19	4666	966	303	5935	182	2293	4653	4768	-489	-504	12721	298	13019	2264	15283	50.00
20	4609	371	303	5283	230	2295	4852	4800	-552	-470	12185	258	12443	2322	14765	50.01
21	4717	179	304	5200	201	2293	4893	4703	-560	-528	11916	421	12337	2375	14712	50.03
22	4479	87	302	4868	236	2305	4669	4618	-594	-544	11523	403	11926	2378	14304	50.10
23	4431	92	305	4828	266	2317	4575	4599	-658	-546	11506	369	11875	2334	14209	50.00
24	4460	107	306	4873	308	2345	4449	4504	-646	-552	11498	132	11630	2286	13916	50.01
MUs	109.62	10.33	7.33	127.28	6.37	54.46	114.84	116.54	-11.67	-9.18	296.52	9.20	305.72	49.30	355.02	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 28/Oct/2012

Position as on 6.30 Hrs of 29/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.	
Koradi Unit 6	210	24/10/2012	11.38	29/10/2012	03.55	Furnace draft high.	
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	
Nasik Unit 3	210	27/10/2012	02.00	29/10/2012	00.10	UAT Oil Filtration 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.	
Khaparkheda Unit 3	210	29/10/2012	01.14	29/10/2012	05.19	Furnace Pressure High.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Oct/2012

Position as on 6.30 Hrs of 29/Oct/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
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 - Mapusa - I	26/10/2012	16.36		Continued.	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
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.	Restrtring wok .
Lonand - Bothe (Surwadi)	27/10/2012	10.02		Continued.	220KV Peripheral unit Configuration
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.)
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.
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.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 28/Oct/2012

Position as on 6.30 Hrs of 29/Oct/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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		
Parli-Usmanabad	29/10/2012	05.45	29/10/2012	06.20	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 29/Oct/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	35
Unit 7	210	125
	620	160
Bhusawal		
Unit 2	210	0
Unit 3	210	150
Unit 4	500	
Unit 5	500	
	1420	150
Parli		
Unit 3	210	150
Unit 4	210	150
Unit 5	210	0
Unit 6	250	160
Unit 7	250	160
	1130	620
Chandrapur		
Unit 1	210	150
Unit 2	210	140
Unit 3	210	190
Unit 4	210	150
Unit 5	500	350
Unit 6	500	460
Unit 7	500	425
	2340	1865
Paras		
Unit 3	250	250
Unit 4	250	0
	500	250
Khaparkheda		
Unit 1	210	150
Unit 2	210	0
Unit 3	210	100
Unit 4	210	170
Unit 5	500	300
	1340	720
Nasik		
Unit 3	210	200
Unit 4	210	190
Unit 5	210	190
	630	580
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	1
BHIRA T.R.	80	80
RNGR+BHTSA	20	16
BHANDARDRA	45	24
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	
	611	190
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	360
Adani	660	
Other CPPs	0	
	1665	1460
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	318
	2024	1748
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4892
	3455	4892