



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

State Load Dispatch Center, Airoli

Daily system Report

for

24/Oct/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 24/Oct/2012 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	104.156	2492.379	1) Gujrat	11.716	283.986
2) Hydro	7.007	240.507	2) Madhya Pradesh	20.654	446.908
3) Gas	7.731	228.849	3) Chattisgarh	13.250	296.972
Total MSGENCO	118.894	2961.735	4) Maharashtra	64.906	1474.254
B) 1) JSW JAIGAD	27.074	647.145	5) Goa	-5.884	-143.804
2) WPCL	6.219	199.900	6) TAPS 1&2 Injection	4.091	106.376
3) ADANI	9.560	199.030	7) RGPPL Injection	13.431	345.355
4) Other CPP / IPP	7.668	162.759	8) Pench (Excess)	-0.716	-17.712
5) Wind Generation	1.372	101.915	# Total Cent. Sector	121.448	2792.335
6) PENCH (MS)	0.716	17.712	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-11.175	-283.947
1) TPCL Thermal	25.806	681.855	G) Bilateral Power *		
2) TPCL Hydro	1.539	93.847	1) MSEDCL Bilateral	40.101	1082.560
TOTAL TPCL	27.345	775.702	Include PX	0.000	54.063
3) REL Thermal	12.519	300.551	2) MUMBAI Bilateral	11.641	327.029
D) STATE			Include PX	1.780	62.035
1) Thermal (A1+C1+C3)	142.481	3474.785	3) MUMBAI Schedule	11.641	327.029
2) Hydro (A2+B5+C2)	9.262	352.066	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.731	228.849	1) MSEDCL	281.776	6798.584
4) Wind (B4)	1.372	101.915	2) TPCL	33.890	910.832
5) CPP (B1+B2+B3)	50.521	1019.364	3) REL	17.147	449.345
TOTAL STATE	211.367	5176.979	TOTAL STATE	332.813	8158.761

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	4189	4611	4103
MSGENCO Hydro	759	193	103
MSGENCO Gas	307	307	318
MSGENCO Total Generation	5255	5111	4524
Central Sector Receipt	5054	5022	5037
WIND	71	47	64
CPP / IPP	2182	2060	2176
Exchange with Mumbai	-378	-634	-206
MSEDCL DEMAND MET	12220	11653	11642
Load Shedding	771	5	38
MSEDCL DEMAND	12991	11658	11680
TPCL GENERATION	1322	1244	1101
R-INFRA GENERATION	524	522	525
TPCL+R-INFRA DEMAND	2224	2400	1832
STATE DEMAND MET	14444	14053	13474
STATE DEMAND	15215	14058	13512
Frequency (Hz)	50.11	50.20	50.26

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.53 Hz at 17.05 Hrs	49.77 Hz at 18.08 Hrs	50.16	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 24/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	1.38	70.29	130	0	125
Unit 7	2.97	52.48	145	100	110
Total	4.35	122.78			235
Bhusawal					
Unit 2	0.00	50.78	0	0	0
Unit 3	3.65	79.25	165	135	150
Unit 4	2.11	91.69	233	0	0
Unit 5	0.00	0.00	0	0	0
Total	5.76	221.72			150
Parli					
Unit 3	3.10	75.37	140	120	140
Unit 4	3.27	65.22	160	109	112
Unit 5	0.00	0.00	0	0	0
Unit 6	3.67	101.30	177	115	110
Unit 7	0.00	83.90	0	0	0
Total	10.04	325.78			362
Chandrapur					
Unit 1	3.25	79.70	140	132	140
Unit 2	3.05	78.94	134	114	130
Unit 3	4.65	94.52	201	165	190
Unit 4	4.54	79.19	197	154	190
Unit 5	9.15	152.37	405	340	400
Unit 6	4.28	202.27	425	0	0
Unit 7	9.76	195.36	455	338	425
Total	38.68	882.36			1475
Paras					
Unit 3	5.65	107.54	249	204	230
Unit 4	5.69	92.41	259	207	230
Total	11.34	199.95			460
Khaparkheda					
Unit 1	3.58	78.26	180	100	150
Unit 2	0.64	70.64	125	0	150
Unit 3	4.22	93.29	183	161	170
Unit 4	4.15	91.83	187	159	170
Unit 5	7.90	139.30	381	270	300
Total	20.49	473.32			940
Nasik					
Unit 3	4.67	101.74	210	175	200
Unit 4	4.32	67.08	194	160	180
Unit 5	4.51	97.66	203	170	180
Total	13.50	266.47			560
Uran					
All Units	7.73	228.85	401	298	300
Total	7.73	228.85			300
PENCH (MS)					
Pench (MS)	0.72	17.71	47	0	
Total	0.72	17.71			
Koyna					
Stage 1-2	3.32	77.37	485	40	600
Stage 4	1.00	75.11	258	0	250
Stage 3	0.93	34.59	160	0	320
Kovna 12&4 Total	4.31	152.48			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	5.24	187.07			1170
Hydro					
KDPH	0.00	0.19	0	0	0
VTRNA	0.00	0.24	0	0	0
TILLARI	0.19	4.85	60	0	0
BHTGR/VEER	0.12	3.31	5	5	5
BHIRA T.R.	0.23	5.96	81	0	80
RNGR+BHTSA	0.35	7.63	15	14	17
BHANDARDRA	0.72	6.44	30	30	10
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.16	11.98	12	4	25
GHATGHAR	0.00	12.84	0	0	0
Total	1.77	53.43			137
Wind					
MalharPeth	0.15	6.72			
Vankuswadi	0.24	11.24			
ATIT	0.02	2.70			
Kale	0.06	3.80			
Satara	0.38	16.51			
Shirala	0.07	4.11			
K Mahankal	0.01	9.42			
Supa	0.06	1.58			
Vita	0.17	20.60			
Dondaicha	0.06	14.26			
Sakri	0.00	2.00			
Nandurbar	0.01	1.38			
Khandke	0.11	4.26			
Khaparale	0.03	3.33			
Total	1.37	101.92			
CPP					
JSW JAIGAD	27.07	647.14	1216	1046	1095
WARDHA	6.22	199.90	359	229	425
Adani	9.56	199.03	400	380	
Other CPPs	7.67	162.76			
Total	50.52	1208.83			1520
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.49	270.43	505	323	500
Trombay 6	3.79	171.76	183	156	500
Trombay 7A	2.95	66.49	124	120	120
Trombay 7B	1.65	38.13	69	67	60
Trombay 8	5.93	135.04	253	205	250
TATA Hydro	1.54	93.85	222	0	318
Total	27.34	775.70			1748
REL					
1&2	12.52	300.55	527	476	500
Total	12.52	300.55			500
Cent Sect					
Share					5330
Total					5330

MS PG CL	Thermal	104.16	2492.38			4182
	Thml+Gas	111.89	2721.23			4482
	Hydro	7.01	240.51			1307
	Total	118.89	2961.74			5789
State Total		211.37	5176.98			14887

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 24/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	4055	695	318	5068	73	2172	4807	5309	-595	-560	12109	9	12118	2204	14322	50.16
2	4103	239	318	4660	57	2169	4853	5263	-508	-412	11783	37	11820	2038	13858	50.16
3	4142	98	318	4558	65	2168	4830	5170	-423	-276	11732	38	11770	1904	13674	50.19
4	4103	103	318	4524	64	2176	4750	5037	-376	-206	11642	38	11680	1832	13512	50.26
5	4129	93	318	4540	77	2177	4750	5071	-376	-165	11720	38	11758	1791	13549	50.16
6	4210	213	318	4741	72	2178	4748	5451	-377	-235	12254	67	12321	1860	14181	50.11
7	4257	233	318	4808	94	2172	4629	5273	-377	-217	12156	703	12859	1845	14704	50.13
8	4239	293	318	4850	93	2172	4633	5033	-380	-201	11973	796	12769	1837	14606	50.04
9	4162	458	318	4938	82	2159	4661	4847	-385	-283	11753	840	12593	1928	14521	50.07
10	4216	495	313	5024	72	2005	4671	5071	-388	-431	11741	680	12421	2064	14485	50.28
11	4126	937	308	5371	73	2093	4768	5011	-464	-490	12058	663	12721	2197	14918	50.08
12	4189	759	307	5255	71	2182	4851	5054	-504	-378	12220	771	12991	2224	15215	50.11
13	4219	563	301	5083	43	2180	4800	4999	-505	-391	11961	858	12819	2236	15055	50.16
14	4395	364	302	5061	48	2025	4776	5012	-475	-391	11798	724	12522	2184	14706	50.18
15	4461	274	298	5033	30	2009	4780	5177	-454	-411	11848	649	12497	2185	14682	50.26
16	4475	176	299	4950	34	1997	4762	5083	-450	-449	11615	571	12186	2195	14381	50.19
17	4550	94	302	4946	28	2000	4887	4838	-446	-475	11337	372	11709	2136	13845	50.15
18	4515	113	305	4933	42	2008	4948	4813	-400	-646	11157	41	11198	2136	13334	50.19
19	4578	194	312	5084	32	2032	4973	5228	-555	-767	11656	11	11667	2364	14031	50.10
20	4611	193	307	5111	47	2060	5171	5022	-631	-634	11653	5	11658	2400	14058	50.20
21	4563	108	313	4984	37	2083	5092	4914	-627	-590	11475	0	11475	2390	13865	50.14
22	4622	114	401	5137	46	2088	5002	4923	-615	-701	11540	0	11540	2389	13929	50.31
23	4638	104	400	5142	48	2096	4895	4934	-656	-940	11326	0	11326	2369	13695	50.13
24	4598	94	401	5093	44	2120	4653	4915	-676	-926	11269	0	11269	2331	13600	50.17
MUs	104.16	7.01	7.73	118.89	1.37	50.52	115.69	121.45	-11.64	-11.18	281.78	7.91	289.69	51.04	340.73	50.16

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 24/Oct/2012

Position as on 6.30 Hrs of 25/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.	
Bhusawal Unit 2	210	19/10/2012	22.22		Continued.	ID Fan Problem	
Parli Unit 7	250	20/10/2012	12.28	25/10/2012	00.16	Boiler Tube Leakage.	
CPP WPCL U-3	135	22/10/2012	08.53	24/10/2012	16.22	Withdrawn.	
Uran Unit 7	108	22/10/2012	15.21	24/10/2012	21.07	Gas Shortage	
Uran Unit B0	120	22/10/2012	15.24		Continued.	Gas Shortage	
Chandrapur Unit 6	500	23/10/2012	00.38	24/10/2012	10.48	Boiler Tube Leakage.	
Bhusawal Unit 4	500	23/10/2012	16.54	24/10/2012	12.23	BLR Feed Pump Oil Leakage.	
Khaparkheda Unit 2	210	24/10/2012	07.45		Continued.	BLR T/L.	
Koradi Unit 6	210	24/10/2012	11.38		Continued.	Furnace draft high.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 24/Oct/2012

Position as on 6.30 Hrs of 25/Oct/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur (PG) II	25/09/2012	20.43		Continued.	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.
Parly(PG)- Solapur(PG) - I	24/10/2012	17.03	24/10/2012	20.54	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur - Mapusa - II	24/10/2012	17.05	24/10/2012	17.56	Over Voltage.
Kolhapur-Solapur(PGCIL)- I	24/10/2012	17.12	24/10/2012	18.32	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Tillary-Amona	24/10/2012	17.09	24/10/2012	17.38	Tripped on backup over current.
Halkarni-Mahalaxmi	24/10/2012	17.09	24/10/2012	17.48	Distance protection,B ph.to earth.
Mahalakshimi-Amona-I	24/10/2012	17.09	24/10/2012	17.48	Distance Protection.
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
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.
Kalwa - Khargar	19/10/2012	08.55		Continued.	Mumbai Strengthing work
Mahape - Siemens	19/10/2012	10.09		Continued.	Mumbai Strengthing work
Wardha Power - Warora - II	23/10/2012	06.00	24/10/2012	03.49	Metering and Protection CT Repl.work.
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.
Karad - Kolhapur - II	21/10/2012	21.09		Continued.	Over Voltage.
Khadka - Deepnagar - II	22/10/2012	21.51		Continued.	Over Voltage.
Bhusawal- Aurangabad	23/10/2012	20.02		Continued.	Over Voltage.
Karad-Jaigad I	24/10/2012	17.36		Continued.	Over Voltage.
Karad - Kolhapur - I	25/10/2012	00.21		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.
Karad - Kolhapur - I	24/10/2012	16.32	24/10/2012	18.08	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Padghe - Nashik - II	24/10/2012	12.02	24/10/2012	12.09	Distance protection.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 24/Oct/2012

Position as on 6.30 Hrs of 25/Oct/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad-Oglewadi-I	24/10/2012	17.08	24/10/2012	17.38	Over Voltage.
Karad - Ogalewadi - II	24/10/2012	17.08	24/10/2012	17.28	Over Voltage.
Halkarni -Tillary	24/10/2012	17.09	24/10/2012	17.38	Tripped on backup over current, master trip relay operated.
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.
Hingoli-Kurunda	24/10/2012	22.24	24/10/2012	22.40	R-Ph E/F.
Kurunda-Akhada Balapur Ckt.	24/10/2012	22.24	24/10/2012	22.40	R-Ph E/F.
Harangul-Chakur	25/10/2012	03.10	25/10/2012	03.20	R-Ph E/F.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 25/Oct/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	140
	620	140
Bhusawal		
Unit 2	210	0
Unit 3	210	150
Unit 4	500	
Unit 5	500	
	1420	150
Parli		
Unit 3	210	135
Unit 4	210	140
Unit 5	210	0
Unit 6	250	165
Unit 7	250	160
	1130	600
Chandrapur		
Unit 1	210	150
Unit 2	210	140
Unit 3	210	200
Unit 4	210	200
Unit 5	500	400
Unit 6	500	400
Unit 7	500	400
	2340	1890
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
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	200
Unit 4	210	180
Unit 5	210	190
	630	570
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	0
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	10
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	120
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	365
Adani	660	
Other CPPs	0	
	1665	1465
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	4969
	3455	4969

	19060	7 of 7	15062
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