



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Oct/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 29/Oct/2012 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	113.221	3053.463	1) Gujrat	7.922	332.055
2) Hydro	8.966	307.127	2) Madhya Pradesh	17.900	548.242
3) Gas	8.660	270.208	3) Chattisgarh	12.720	362.462
Total MSGENCO	130.847	3630.798	4) Maharashtra	67.863	1791.764
B) 1) JSW JAIGAD	28.476	789.907	5) Goa	-6.641	-177.238
2) WPCL	8.660	236.378	6) TAPS 1&2 Injection	3.643	125.289
3) ADANI	9.540	246.730	7) RGPPL Injection	13.572	413.759
4) Other CPP / IPP	8.771	200.649	8) Pench (Excess)	-1.179	-22.902
5) Wind Generation	6.578	122.835	# Total Cent. Sector	115.800	3373.431
6) PENCH (MS)	1.179	22.902	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-12.726	-338.915
1) TPCL Thermal	29.070	825.571	G) Bilateral Power *		
2) TPCL Hydro	4.364	113.634	1) MSEDCL Bilateral	30.391	1298.796
TOTAL TPCL	33.434	939.205	Include PX	0.000	80.552
3) REL Thermal	12.589	363.391	2) MUMBAI Bilateral	11.428	388.543
D) STATE			Include PX	0.676	71.036
1) Thermal (A1+C1+C3)	154.880	4242.425	3) MUMBAI Schedule	11.428	388.543
2) Hydro (A2+B5+C2)	14.509	443.663	H) ENERGY CATERED (MUs)		
3) Gas (A3)	8.660	270.208	1) MSEDCL	297.125	8284.715
4) Wind (B4)	6.578	122.835	2) TPCL	39.284	1097.377
5) CPP (B1+B2+B3)	55.447	1236.474	3) REL	19.463	544.109
TOTAL STATE	240.074	6315.605	TOTAL STATE	355.872	9926.201

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	4845	5048	4377
MSGENCO Hydro	963	180	61
MSGENCO Gas	327	412	314
MSGENCO Total Generation	6135	5640	4752
Central Sector Receipt	5502	5374	4119
WIND	301	292	325
CPP / IPP	2326	2327	2174
Exchange with Mumbai	-796	-746	-218
MSEDCL DEMAND MET	13518	12939	11202
Load Shedding	674	466	189
MSEDCL DEMAND	14192	13405	11391
TPCL GENERATION	1646	1644	1015
R-INFRA GENERATION	524	523	526
TPCL+R-INFRA DEMAND	2966	2913	1759
STATE DEMAND MET	16484	15852	12961
STATE DEMAND	17158	16318	13150
Frequency (Hz)	49.92	49.97	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 20.51 Hrs	49.51 Hz at 08.15 Hrs	49.94	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 29/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	2.44	72.73	140	0	35
Unit 7	3.35	71.02	160	120	125
Total	5.79	143.75			160
Bhusawal					
Unit 2	0.00	50.78	0	0	0
Unit 3	3.54	97.01	160	135	150
Unit 4	7.02	131.87	412	0	
Unit 5	0.00	0.00	0	0	
Total	10.56	279.66			150
Parli					
Unit 3	3.05	91.27	137	115	150
Unit 4	3.76	82.87	180	143	150
Unit 5	0.00	0.00	0	0	0
Unit 6	3.92	120.02	191	133	160
Unit 7	3.93	100.94	184	130	160
Total	14.67	395.10			620
Chandrapur					
Unit 1	3.54	96.58	154	127	150
Unit 2	3.53	95.12	157	130	140
Unit 3	4.39	113.98	199	140	190
Unit 4	4.29	98.97	195	158	150
Unit 5	7.49	196.49	330	280	350
Unit 6	10.08	253.74	455	390	460
Unit 7	9.54	240.53	436	354	425
Total	42.86	1095.42			1865
Paras					
Unit 3	5.69	135.13	250	220	250
Unit 4	2.54	116.26	253	0	0
Total	8.23	251.39			250
Khaparkheda					
Unit 1	3.86	96.65	180	140	150
Unit 2	0.00	70.64	0	0	0
Unit 3	3.72	112.49	209	0	100
Unit 4	4.15	111.02	197	150	170
Unit 5	6.90	175.57	341	70	300
Total	18.64	566.37			720
Nasik					
Unit 3	3.70	114.45	195	39	200
Unit 4	4.24	87.93	183	169	190
Unit 5	4.53	119.40	201	174	190
Total	12.48	321.78			580
Uran					
All Units	8.66	270.21	450	304	300
Total	8.66	270.21			300
PENCH (MS)					
Pench (MS)	1.18	22.90	54	20	
Total	1.18	22.90			
Koyna					
Stage 1-2	2.42	98.30	335	40	600
Stage 4	3.43	99.23	682	0	250
Stage 3	1.21	44.15	160	0	320
Kovna 12&4 Total	5.85	197.53			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	7.06	241.68			1170
Hydro					
KDPH	0.00	0.19	0	0	0
VTRNA	0.00	0.24	0	0	0
TILLARI	0.29	6.21	60	0	60
BHTGR/VEER	0.02	3.68	1	0	1
BHIRA T.R.	0.27	7.13	82	0	80
RNGR+BHTSA	0.34	9.38	15	14	16
BHANDARDRA	0.00	8.83	0	0	24
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.21	12.91	15	6	9
GHATGHAR	0.76	16.88	125	0	
Total	1.90	65.45			190
Wind					
MalharPeth	0.36	8.50			
Vankuswadi	0.66	14.37			
ATIT	0.07	3.30			
Kale	0.25	4.66			
Satara	0.21	18.14			
Shirala	0.23	5.01			
K Mahankal	1.68	12.08			
Supa	0.12	1.96			
Vita	1.22	24.38			
Dondaicha	0.89	17.20			
Sakri	0.08	2.26			
Nandurbar	0.06	1.59			
Khandke	0.47	5.35			
Khaparale	0.28	4.04			
Total	6.58	122.84			
CPP					
JSW JAIGAD	28.48	789.91	1208	1046	1100
WARDHA	8.66	236.38	369	348	360
Adani	9.54	246.73	400	380	
Other CPPs	8.77	200.65			
Total	55.45	1473.66			1460
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.87	329.81	502	427	500
Trombay 6	8.37	206.78	502	156	500
Trombay 7A	2.92	80.39	125	117	120
Trombay 7B	1.64	45.02	69	67	60
Trombay 8	4.27	163.58	254	149	250
TATA Hydro	4.36	113.63	306	0	318
Total	33.43	939.20			1748
REL					
1&2	12.59	363.39	526	523	500
Total	12.59	363.39			500
Cent Sect					
Share					4892
Total					4892

MS PG CL	Thermal	113.22	3053.46			4345
	Thml+Gas	121.88	3323.67			4645
	Hydro	8.97	307.13			1360
	Total	130.85	3630.80			6005
State Total		240.07	6315.60			14605

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/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	4555	165	308	5028	306	2321	4247	4123	-411	-431	11397	134	11531	2105	13636	49.91
2	4431	75	314	4820	275	2268	4225	4085	-411	-299	11199	165	11364	1920	13284	49.93
3	4386	80	314	4780	280	2185	4233	4144	-411	-217	11222	175	11397	1814	13211	49.92
4	4377	61	314	4752	325	2174	4215	4119	-411	-218	11202	189	11391	1759	13150	49.95
5	4430	61	314	4805	281	2302	4197	4195	-411	-174	11459	146	11605	1712	13317	49.98
6	4538	71	316	4925	336	2328	4474	4420	-411	-248	11811	314	12125	1772	13897	49.98
7	4738	337	316	5391	276	2341	4479	4434	-411	-343	12149	771	12920	1871	14791	49.96
8	4851	276	316	5443	201	2316	4780	4783	-430	-379	12400	785	13185	1980	15165	49.86
9	4825	196	392	5413	206	2321	5441	5166	-430	-383	12774	759	13533	2263	15796	49.75
10	4830	537	317	5684	231	2338	5502	5529	-430	-508	13294	537	13831	2638	16469	49.89
11	4851	1197	304	6352	263	2326	5353	5279	-455	-710	13560	496	14056	2869	16925	49.87
12	4845	963	327	6135	301	2326	5621	5502	-455	-796	13518	674	14192	2966	17158	49.92
13	4928	744	320	5992	303	2323	5652	5689	-455	-777	13583	801	14384	2957	17341	49.92
14	4998	531	322	5851	263	2306	5584	5542	-455	-690	13324	715	14039	2871	16910	49.90
15	5026	539	409	5974	309	2314	5631	5757	-455	-760	13647	624	14271	2937	17208	49.92
16	5097	480	415	5992	314	2318	5641	5531	-455	-759	13449	565	14014	2919	16933	49.83
17	5048	180	412	5640	292	2327	5531	5374	-464	-746	12939	466	13405	2913	16318	49.97
18	5081	333	416	5830	210	2328	4685	4500	-485	-701	12220	402	12622	2857	15479	49.92
19	4707	1157	399	6263	213	2332	4817	4680	-485	-736	12804	346	13150	2886	16036	50.00
20	4676	548	385	5609	281	2335	4936	4636	-485	-653	12262	564	12826	2822	15648	49.99
21	4683	128	400	5211	321	2323	4879	4513	-621	-598	11820	515	12335	2673	15008	50.04
22	4642	68	431	5141	313	2331	4901	4350	-642	-530	11655	497	12152	2502	14654	50.14
23	4513	67	449	5029	268	2333	4768	4652	-680	-555	11777	163	11940	2398	14338	49.94
24	4165	172	450	4787	210	2331	4610	4796	-672	-515	11659	104	11763	2345	14108	50.04
MUs	113.22	8.97	8.66	130.85	6.58	55.45	118.40	115.80	-11.43	-12.73	297.12	10.91	308.03	58.75	366.78	49.94

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 29/Oct/2012

Position as on 6.30 Hrs of 30/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.	
Koyna Unit 2	75	29/10/2012	07.05	29/10/2012	17.25	Preventive Maint.Work.	
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	29/10/2012	08.51	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	30/10/2012	00.17	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	
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	
Paras Unit 4	250	28/10/2012	21.25	29/10/2012	13.04	Preheater Problem.	
Khaparkheda Unit 3	210	29/10/2012	01.14	29/10/2012	05.19	Furnace Pressure High.	
Bhusawal Unit 4	500	29/10/2012	17.59		Continued.	Class A Protection Operated.	
Khaparkheda Unit 5	500	29/10/2012	23.22		Continued.	CHP Problem.	
Nasik Unit 5	210	30/10/2012	05.25		Continued.	Boiler Trip.	02/11/2012
Uran Unit 8	108	30/10/2012	05.59		Continued.	B Ph.Breaker Pole Burst, Bus Bar Protection Operated in Bus-1.	
Uran Unit 5	108	30/10/2012	05.59		Continued.	B Ph.Breaker Pole Burst of Unit-8, Bus Bar Protection Operated in Bus-1.	
Uran Unit A0	120	30/10/2012	05.59		Continued.	B Ph.Breaker Pole Burst of Unit-8, Bus Bar Protection Operated in Bus-1.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Oct/2012

Position as on 6.30 Hrs of 30/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 - Mapusa - I	26/10/2012	16.36	29/10/2012	10.05	Over Voltage
Kolhapur-Solapur(PGCIL)-I	27/10/2012	13.18		Continued.	Bus Isolator heavy sparking observed
Kolhapur - Mapusa - II	29/10/2012	16.29		Continued.	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
Main Bus-II @ Kolhapur	29/10/2012	11.12	29/10/2012	16.45	Repl.of Fixed Contsct of Y Ph.89 LB PG 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 - 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 .
Lonand - Bothe (Surwadi)	27/10/2012	10.02		Continued.	220KV Peripheral unit Configuration
Chandrapur-Gadchandur	28/10/2012	09.17		Continued.	For Erection of 4 Inline Towers upto 31.10.2012.
Bus Section Bay @ Pedambe	29/10/2012	08.10	29/10/2012	10.45	Preventive Maint.Work.
220/132KV 200 MVA ICT-II @ Jalna	29/10/2012	08.45	29/10/2012	17.45	Replacement of H V Side R Ph. C T.
Pawas-Kharepatan	29/10/2012	09.20	29/10/2012	16.45	R.M.Work.
220/110KV, 200MVA T/F-III at Mudshingi	29/10/2012	09.23	29/10/2012	17.23	Testing Work.
Padgha-Temghar I	29/10/2012	09.50		Continued.	C B Overhauling Work.
Lote- Dasturi	29/10/2012	10.00	29/10/2012	15.50	Repl. of Jumper From C C To Line Y Ph.
Bus Coupler @ Koradi	29/10/2012	10.00	29/10/2012	15.05	Air Leakage in Main Breaker of 220KV Bus Coupler.
Abhijeet - Wardha ckt - II	29/10/2012	10.16		Continued.	R & Y Ph. CT Repl.Work.(Under LES)
Kalmeshwar-Nippon	29/10/2012	11.07	29/10/2012	14.30	Repl.of R Ph.CVT of Check Meter Due to Leakage.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Padgha - Nagothane - I	28/10/2012	12.55	29/10/2012	18.05	Taken on TBC (Air Compressor Prob.)
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

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Oct/2012

Position as on 6.30 Hrs of 30/Oct/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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.
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.
Theur - Magarpatta	30/10/2012	01.20		Continued.	Y Ph. L A Brust @ Theur.
Uran-Apta-II	30/10/2012	05.59		Continued.	B Ph.Breaker Pole Burst of Unit-8, Bus Bar Protection Operated in Bus-1.
Apta-Uran-IV	30/10/2012	05.59		Continued.	B Ph.Breaker Pole Burst of Unit-8, Bus Bar Protection Operated in Bus-1.
Uran - Kharghar	30/10/2012	05.59		Continued.	B Ph.Breaker Pole Burst of Unit-8, Bus Bar Protection Operated in Bus-1.
Uran - JNPT	30/10/2012	05.59		Continued.	B Ph.Breaker Pole Burst of Unit-8, Bus Bar Protection Operated in Bus-1.
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.
null					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Half Bus Section - I @ Kharepatan	29/10/2012	10.07	29/10/2012	18.08	Support Ins.Repl.Work.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Oct/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	135
Unit 7	210	126
	620	261
Bhusawal		
Unit 2	210	0
Unit 3	210	150
Unit 4	500	
Unit 5	500	
	1420	150
Parli		
Unit 3	210	122
Unit 4	210	145
Unit 5	210	0
Unit 6	250	165
Unit 7	250	158
	1130	590
Chandrapur		
Unit 1	210	160
Unit 2	210	120
Unit 3	210	200
Unit 4	210	160
Unit 5	500	325
Unit 6	500	400
Unit 7	500	375
	2340	1740
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	170
Unit 4	210	170
Unit 5	500	0
	1340	640
Nasik		
Unit 3	210	200
Unit 4	210	180
Unit 5	210	0
	630	380
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	60
BHTGR/VEER	21	1
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	9
GHATGHAR	250	
	611	165
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	5149
	3455	5149