



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Oct/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 29/Oct/2014 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	97.915	3118.017	1) Gujrat	8.023	194.507
2) Hydro	5.074	311.654	2) Madhya Pradesh	17.559	576.859
3) Gas	9.749	278.759	3) Chattisgarh	10.000	284.580
Total MSGENCO	112.738	3708.430	4) Maharashtra Net	99.471	3272.535
B) 1) JSW JAIGAD	26.677	766.943	(Incl. 765kV Solapur-Raichur)	-7.861	-174.291
2) WPCL	5.090	153.611	5) Goa	-7.063	-207.462
3) ADANI	56.390	1263.270	6) TAPS 1&2 Injection	3.633	142.495
4) Other CPP / IPP	14.779	465.685	7) RGPPL Injection	0.000	0.000
5) Wind Generation	5.590	155.626	8) Pench (Excess)	-1.082	-28.306
6) PENCH (MS)	1.082	28.306			
7) SOLAR	1.225	28.672	# Total Cent. Sector	130.541	4235.208
C) 1) TPCL Thermal	18.965	556.728	F) Other Exchanges		
2) TPCL Hydro	3.725	95.735	1) With TPCL (Excess)	-22.169	-720.265
TOTAL TPCL	22.690	652.463	G) Bilateral Power *		
3) REL Thermal	12.268	343.614	1) MSEDCL Bilateral	42.983	1533.812
D) STATE			Include PX	10.623	614.658
1) Thermal (A1+C1+C3)	129.148	4018.359	2) MUMBAI Bilateral	24.304	694.488
2) Hydro (A2+B6+C2)	9.881	435.695	Include PX	2.255	124.591
3) Gas (A3)	9.749	278.759	3) MUMBAI Schedule	24.304	703.736
4) Wind (B5)	5.590	155.626	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	102.936	2649.509	1) MSEDCL	331.943	10085.486
6) SOLAR (B7)	1.225	28.672	2) TPCL	34.893	1065.634
TOTAL STATE	258.529	7566.620	3) REL	22.232	650.721
			TOTAL STATE	389.068	11801.841

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4493	4573	3954
MSGENCO Hydro	127	121	67
MSGENCO Gas	416	386	405
MSGENCO Total Generation	5036	5080	4426
Central Sector Receipt	6406	6441	5042
WIND	282	235	257
CPP / IPP	4718	4767	3667
SOLAR	176	152	0
Exchange with Mumbai	-1228	-1176	-545
MSEDCL DEMAND MET	15433	15546	12891
Load Shedding	462	260	75
MSEDCL DEMAND	15895	15806	12966
TPCL GENERATION	1149	1118	670
R-INFRA GENERATION	521	521	457
TPCL+R-INFRA DEMAND	2898	2815	1672
STATE DEMAND MET	18331	18361	14563
STATE DEMAND	18793	18621	14638
Frequency (Hz)	49.90	49.92	49.91

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 18:01 Hrs	49.6 Hz at 05:51 Hrs	49.93	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/2014

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	3.22	86.98	150	108	145
Unit 7	0.00	83.85	0	0	0
Total	3.22	170.83			145
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	69.33	0	0	0
Unit 4	7.70	161.31	465	290	282
Unit 5	0.00	207.36	0	0	0
Total	7.70	438.00			282
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	37.63	0	0	0
Unit 5	3.70	29.54	166	149	160
Unit 6	4.61	130.72	250	170	180
Unit 7	4.51	130.47	235	175	175
Total	12.82	328.35			515
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.32	77.66	148	117	150
Unit 3	3.72	108.14	163	148	160
Unit 4	3.84	123.15	166	145	185
Unit 5	7.21	229.14	325	290	300
Unit 6	7.10	216.83	310	275	300
Unit 7	7.00	219.95	314	255	300
Total	32.19	974.86			1395
Paras					
Unit 3	4.08	126.54	185	145	180
Unit 4	4.36	124.99	210	156	180
Total	8.44	251.54			360
Khaparkheda					
Unit 1	4.28	107.42	195	160	170
Unit 2	3.62	84.76	170	125	170
Unit 3	0.00	87.68	0	0	0
Unit 4	4.56	108.50	200	180	170
Unit 5	9.07	258.86	495	341	360
Total	21.54	647.22			870
Nasik					
Unit 3	4.08	119.90	205	155	190
Unit 4	3.98	89.24	189	150	190
Unit 5	3.95	98.07	181	157	190
Total	12.01	307.21			570
Uran					
All Units	9.75	278.76	420	386	420
Total	9.75	278.76			420
PENCH (MS)					
Pench (MS)	1.08	28.31	48	43	
Total	1.08	28.31			
Koyna					
Stage 1-2	1.68	97.92	290	40	530
Stage 4	0.55	107.45	261	0	250
Stage 3	0.06	44.67	40	0	240
Kovna 12&4 Total	2.23	205.37			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.29	250.04			1020
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.99	18.08	61	0	61
TILLARI	0.43	4.77	62	0	64
BHTGR/VEER	0.10	0.30	5	4	4
BHIRA T.R.	0.25	6.63	80	0	81
RNGR+BHTSA	0.38	5.48	16	15	14
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	2.18	0	0	
SMLHY PTN	0.09	2.88	12	1	10
GHATGHAR	0.54	21.28	120	0	
Total	2.78	61.61			234
Wind					
MalharPeth	0.20	4.40			
Vankuswadi	0.35	9.24			
ATIT	0.04	1.02			
Kale	0.17	3.23			
Satara	2.88	85.88			
Shirala	0.26	5.35			
K Mahankal	0.02	0.44			
Supa	0.02	2.21			
Vita	0.69	16.30			
Dondaicha	0.31	10.39			
Sakri	0.08	2.50			
Nandurbar	0.28	4.62			
Khandke	0.12	5.41			
Khaparale	0.18	4.65			
Total	5.59	155.63			
CPP					
JSW JAIGAD	26.68	766.94	1220	1003	1110
WARDHA	5.09	153.61	220	184	225
Adani	56.39	1263.27	2640	1770	2130
Other CPPs	14.78	460.12			500
Total	102.94	2643.95			3965
SOLAR					
Total	1.22	28.67			
Total	1.22	28.67			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.65	321.31	497	316	500
Trombay 6	3.74	108.11	156	155	500
Trombay 7A	2.93	80.94	128	108	120
Trombay 7B	1.65	46.37	70	64	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.72	95.74	397	0	447
Total	22.69	652.46			1627
REL					
1&2	12.27	343.61	523	456	500
Total	12.27	343.61			500
Cent Sect					
Share					6584
Total					6584
MS PG CL	Thermal	97.92	3118.02		4137
	Thml+Gas	107.66	3396.78		4557
	Hydro	5.07	311.65		1254
	Total	112.74	3708.43		5811
State Total		258.53	7566.62		18487

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/Oct/2014

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	4020	137	406	4563	105	3492	0	4958	5103	-800	-642	12667	94	12761	2002	14763	49.92
2	3980	162	407	4549	128	3485	0	5001	5414	-769	-581	13038	73	13111	1837	14948	50.00
3	3976	62	408	4446	177	3620	0	5068	5281	-743	-581	12986	73	13059	1740	14799	49.95
4	3954	67	405	4426	257	3667	0	5036	5042	-724	-545	12891	75	12966	1672	14638	49.91
5	3990	66	405	4461	244	3737	0	5056	5286	-721	-518	13255	130	13385	1645	15030	49.92
6	4043	71	405	4519	281	3747	0	5682	5742	-730	-580	13754	202	13956	1713	15669	49.77
7	4088	61	407	4556	254	3792	3	6204	6207	-790	-621	14236	266	14502	1789	16291	49.93
8	4096	108	416	4620	230	3828	40	5626	5748	-837	-710	13801	266	14067	1947	16014	49.95
9	4080	219	420	4719	306	3981	84	5118	5144	-927	-908	13369	252	13621	2249	15870	49.90
10	4065	648	418	5131	283	4113	124	5683	5863	-1080	-1129	14428	417	14845	2597	17442	49.83
11	4083	326	415	4824	345	4493	168	6135	5906	-1223	-1176	14603	310	14913	2851	17764	50.00
12	4150	215	410	4775	343	4627	167	6466	6461	-1302	-1168	15248	319	15567	2923	18490	49.93
13	4493	127	416	5036	282	4718	176	6444	6406	-1302	-1228	15433	462	15895	2898	18793	49.90
14	4541	121	402	5064	206	4817	154	6466	6325	-1233	-1175	15436	373	15809	2791	18600	49.99
15	4573	121	386	5080	235	4767	152	6538	6441	-1231	-1176	15546	260	15806	2815	18621	49.92
16	4103	121	400	4624	259	4764	93	6271	6153	-1236	-1125	14813	200	15013	2839	17852	49.90
17	3948	121	400	4469	245	4683	53	5866	5758	-1203	-1149	14106	155	14261	2815	17076	49.94
18	3960	529	404	4893	218	4737	11	4924	4749	-1155	-1100	13555	120	13675	2753	16428	49.92
19	3954	645	404	5003	177	4768	0	5309	5252	-1212	-1141	14107	104	14211	2788	16999	49.95
20	3958	439	403	4800	157	4753	0	5402	5115	-1113	-1065	13808	304	14112	2764	16876	50.02
21	3955	362	403	4720	133	4708	0	4763	4520	-1129	-997	13131	280	13411	2628	16039	49.96
22	3989	124	402	4515	216	4605	0	4592	4363	-1048	-927	12819	178	12997	2443	15440	49.99
23	3945	126	402	4473	222	4531	0	4506	4231	-924	-1005	12495	86	12581	2344	14925	49.89
24	3971	96	405	4472	287	4503	0	4374	4031	-874	-922	12418	86	12504	2284	14788	49.91
MUs	97.92	5.07	9.75	112.74	5.59	102.94	1.22	131.49	130.54	-24.30	-22.17	331.94	5.08	337.03	57.13	394.16	49.93

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/2014

Position as on 6.30 Hrs of 30/Oct/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Koyna Unit 11	80	23/09/2014	02.30		Continued.	Stator Earth Fault	
Cent_Sect Tarapur 1	160	12/10/2014	22.39		Continued.	Refuelling work.(60Days)	
FORCED OUTAGE							
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
CPP Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem. (U-1).	
Koradi Unit 5	200	17/06/2014	11.53		Continued.	economic shutdown	
Chandrapur Unit 1	210	28/08/2014	07.15		Continued.	economic shutdown	
Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	Economic shutdown	
CPP IPL U-2	270	01/10/2014	08.10	29/10/2014	08.48	Coal Shortage	
Parli Unit 4	210	13/10/2014	10.49		Continued.	Coal Shortage.	
CPP WPCL U-3	135	15/10/2014	00.01	29/10/2014	21.58	ID Fan Vibration Problem.	
Uran Unit 6	108	24/10/2014	15.58		Continued.	gas shortage	
CPP Adani U-4	660	25/10/2014	10.32	29/10/2014	08.17	Heavy Leakage in Drain Pipe.	
Bhusawal Unit 3	210	27/10/2014	04.58		Continued.	poor coal receipt	
Khaparkheda Unit 3	210	27/10/2014	12.43		Continued.	BLR T/L.	
Bhusawal Unit 5	500	27/10/2014	15.02		Continued.	Coal Shortage.	
Koradi Unit 7	210	27/10/2014	17.10		Continued.	BLR T/L.	
CPP IPL U-1	270	28/10/2014	17.53		Continued.	Turbine Shaft vibration high.	
CPP WPCL U-1	135	30/10/2014	00.43		Continued.	ESP Bag Filter Damaged	
CPP Adani U-4	660	30/10/2014	01.50		Continued.	Main Stream Drum Leakage	
Khaparkheda Unit 4	210	30/10/2014	02.27		Continued.	Furnace Pressure High	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Oct/2014

Position as on 6.30 Hrs of 30/Oct/2014

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)	24/10/2014	10.47		Continued.	Gantry Erection Work.
Kolhapur-Solapur (PG) II	29/10/2014	16.15		Continued.	To Attend Hot Spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - II	29/10/2014	21.12		Continued.	Over Voltage.
Kolhapur - Mapusa - I	29/10/2014	23.16		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 500MVA ,GT-5 at Deepnagar	22/09/2014	10.50		Continued.	Repl.damaged poles of main CB pole.
400/15.75KV 240MVA GT VII at Koradi	28/10/2014	11.30		Continued.	Erection of new bus post insulator,DCRM.bay maint.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Boiser-Versova	28/10/2014	23.02	29/10/2014	05.50	Testing work.
Jambhul - Anandnagar	29/10/2014	10.03	29/10/2014	15.50	Attending Hot Spot on R & B Ph Bus Side Jumper on Line.
Suryalaxmi - Kanhan	29/10/2014	11.22	29/10/2014	19.25	Replacement of CT and Disc Insulator
Jeur-Kurkumbh	29/10/2014	11.52	29/10/2014	16.15	Scada Testing.
Butibori-Abhijeet ckt.	29/10/2014	12.43	29/10/2014	16.09	Connecting of Detached Conductor
220/132KV,200MVA ICT - III @ Mudshingi	29/10/2014	14.46	29/10/2014	16.45	Breaker Commisioning.
Vita - Lamboti	29/10/2014	16.27	29/10/2014	18.30	Replacement of Fauty B-Ph Insulator String.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
New Koyna - Dabhol - I	24/10/2014	16.10		Continued.	Over Voltage.
Karad - Kolhapur - II	28/10/2014	16.00	29/10/2014	09.10	Over Voltage.
Bhusawal- Aurangabad	28/10/2014	17.06	29/10/2014	05.57	Over Voltage.
Lonikand- Koyna Stage IV	28/10/2014	22.07	29/10/2014	08.40	Over Voltage.
Bhusawal- Aurangabad	29/10/2014	16.20	30/10/2014	06.18	Over Voltage.
Karad-Jaigad I	29/10/2014	16.20		Continued.	Over Voltage.
Karad - Kolhapur - I	29/10/2014	16.47		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	29/10/2014	23.02		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT- III at Borivali	21/09/2014	09.16		Continued.	monkey fault
Aarey - Saki - I	11/10/2014	12.39		Continued.	Distance protection
220/22KV 50 MVA T/F II at Uran	23/10/2014	08.30		Continued.	Caught Fire.
Apta - Taloja	29/10/2014	11.40	29/10/2014	18.34	Y -Ph LA Burst At Taloja end.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Oct/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	110
Unit 7	210	0
	620	110
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	282
Unit 5	500	0
	1420	282
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	140
Unit 6	250	180
Unit 7	250	185
	1130	505
Chandrapur		
Unit 1	210	0
Unit 2	210	140
Unit 3	210	160
Unit 4	210	165
Unit 5	500	300
Unit 6	500	300
Unit 7	500	275
	2340	1340
Paras		
Unit 3	250	180
Unit 4	250	180
	500	360
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	0
Unit 4	210	0
Unit 5	500	360
	1340	700
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	420
	852	420
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	240
	1920	1020
Hydro		
KDPH	40	0
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	62
BHTGR/VEER	21	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	14
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	13
GHATGHAR	250	0
	611	234
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	1200	1155
WARDHA	405	220
Adani	2640	2213
Other CPPs	300	
	4545	3588
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	6375
	3455	6375

	21940	17631
--	--------------	--------------