



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Oct/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Oct/2014 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	96.647	3214.664	1) Gujrat	4.959	199.466
2) Hydro	6.666	318.320	2) Madhya Pradesh	15.768	592.627
3) Gas	9.857	288.616	3) Chattisgarh	10.260	294.840
Total MSGENCO	113.170	3821.600	4) Maharashtra Net	95.256	3367.791
B) 1) JSW JAIGAD	26.778	793.721	(Incl. 765kV Solapur-Raichur)	-9.768	-184.059
2) WPCL	4.930	158.541	5) Goa	-6.526	-213.988
3) ADANI	54.560	1317.830	6) TAPS 1&2 Injection	3.629	146.124
4) Other CPP / IPP	15.486	481.171	7) RGPPL Injection	0.000	0.000
5) Wind Generation	14.490	170.116	8) Pench (Excess)	-1.026	-29.332
6) PENCH (MS)	1.026	29.332	# Total Cent. Sector	122.320	4357.528
7) SOLAR	1.168	29.840	F) Other Exchanges		
C) 1) TPCL Thermal	18.735	575.463	1) With TPCL (Excess)	-22.208	-742.473
2) TPCL Hydro	4.051	99.786	G) Bilateral Power *		
TOTAL TPCL	22.786	675.249	1) MSEDCL Bilateral	41.363	1575.175
3) REL Thermal	12.001	355.615	Include PX	9.035	623.694
D) STATE			2) MUMBAI Bilateral	24.074	718.561
1) Thermal (A1+C1+C3)	127.383	4145.742	Include PX	1.658	126.248
2) Hydro (A2+B6+C2)	11.743	447.438	3) MUMBAI Schedule	24.074	727.810
3) Gas (A3)	9.857	288.616	H) ENERGY CATERED (MUs)		
4) Wind (B5)	14.490	170.116	1) MSEDCL	331.720	10417.206
5) CPP/IPP (B1+B2+B3+B4)	101.754	2751.263	2) TPCL	34.532	1100.166
6) SOLAR (B7)	1.168	29.840	3) REL	22.464	673.185
TOTAL STATE	266.395	7833.015	TOTAL STATE	388.716	12190.557

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4197	4577	3760
MSGENCO Hydro	779	305	44
MSGENCO Gas	404	409	409
MSGENCO Total Generation	5380	5291	4213
Central Sector Receipt	6160	5993	4468
WIND	864	705	795
CPP / IPP	4597	4500	4052
SOLAR	179	116	0
Exchange with Mumbai	-1182	-1071	-577
MSEDCL DEMAND MET	16025	15581	12998
Load Shedding	125	141	53
MSEDCL DEMAND	16150	15722	13051
TPCL GENERATION	1187	1188	675
R-INFRA GENERATION	521	520	454
TPCL+R-INFRA DEMAND	2890	2779	1706
STATE DEMAND MET	18915	18360	14704
STATE DEMAND	19040	18501	14757
Frequency (Hz)	49.92	49.78	49.89

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.2 Hz at 13.02 Hrs	49.57 Hz at 05.41 Hrs	49.87	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 30/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	3.43	90.41	165	123	110
Unit 7	1.73	85.58	160	0	0
Total	5.16	176.00			110
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	69.33	0	0	0
Unit 4	7.64	168.94	460	280	282
Unit 5	0.00	207.36	0	0	0
Total	7.64	445.63			282
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	37.63	0	0	0
Unit 5	3.70	33.24	166	146	140
Unit 6	4.61	135.33	250	179	180
Unit 7	4.65	135.12	240	171	185
Total	12.97	341.32			505
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.46	81.12	159	126	140
Unit 3	3.79	111.93	167	148	160
Unit 4	3.87	127.02	175	148	165
Unit 5	7.15	236.29	310	280	300
Unit 6	6.97	223.80	308	267	300
Unit 7	6.98	226.93	313	260	275
Total	32.22	1007.09			1340
Paras					
Unit 3	4.44	130.98	222	170	180
Unit 4	4.28	129.27	201	162	180
Total	8.72	260.25			360
Khaparkheda					
Unit 1	3.98	111.39	175	140	170
Unit 2	3.36	88.12	160	110	170
Unit 3	0.06	87.74	34	0	0
Unit 4	3.24	111.74	210	0	0
Unit 5	8.97	267.82	470	343	360
Total	19.61	666.83			700
Nasik					
Unit 3	4.12	124.02	205	160	190
Unit 4	4.03	93.28	188	155	190
Unit 5	2.19	100.26	180	0	190
Total	10.33	317.55			570
Uran					
All Units	9.86	288.62	418	402	420
Total	9.86	288.62			420
PENCH (MS)					
Pench (MS)	1.03	29.33	48	22	
Total	1.03	29.33			
Koyna					
Stage 1-2	3.06	100.98	480	40	530
Stage 4	0.18	107.63	175	0	250
Stage 3	0.96	45.63	80	0	240
Kovna 12&4 Total	3.23	208.60			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	4.19	254.23			1020
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	1.00	19.08	61	0	61
TILLARI	0.38	5.16	64	0	62
BHTGR/VEER	0.09	0.39	4	3	4
BHIRA T.R.	0.10	6.73	57	0	80
RNGR+BHTSA	0.00	5.48	0	0	14
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	2.18	0	0	0
SMLHY PTN	0.09	2.97	11	1	13
GHATGHAR	0.81	22.09	185	0	0
Total	2.48	64.09			234
Wind					
MalharPeth	0.54	4.94			
Vankuswadi	1.09	10.33			
ATIT	0.11	1.14			
Kale	0.36	3.59			
Satara	7.66	93.54			
Shirala	0.53	5.88			
K Mahankal	0.04	0.48			
Supa	0.07	2.28			
Vita	1.67	17.97			
Dondaicha	0.72	11.11			
Sakri	0.17	2.67			
Nandurbar	0.39	5.01			
Khandke	0.50	5.91			
Khaparale	0.63	5.28			
Total	14.49	170.12			
CPP					
JSW JAIGAD	26.78	793.72	1257	906	1155
WARDHA	4.93	158.54	223	185	220
Adani	54.56	1317.83	2310	2220	2213
Other CPPs	15.49	475.61			
Total	101.75	2745.70			3588
SOLAR					
Total	1.17	29.84			
Total	1.17	29.84			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.47	331.78	497	318	500
Trombay 6	3.74	111.84	156	155	500
Trombay 7A	2.90	83.84	127	113	120
Trombay 7B	1.63	48.00	70	66	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.05	99.79	392	0	447
Total	22.79	675.25			1627
REL					
1&2	12.00	355.62	523	454	500
Total	12.00	355.62			500
Cent Sect					
Share					6375
Total					6375
MS PG CL	Thermal	96.65	3214.66		3867
	Thml+Gas	106.50	3503.28		4287
	Hydro	6.67	318.32		1254
	Total	113.17	3821.60		5541
State Total		266.40	7833.02		18376

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 30/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	3979	54	418	4451	477	4042	0	4374	4511	-799	-819	12709	86	12795	2057	14852	49.90
2	3922	189	409	4520	663	4006	0	4554	4580	-755	-735	13081	53	13134	1874	15008	49.85
3	3852	69	411	4332	736	4083	0	4813	4666	-735	-643	13221	53	13274	1772	15046	49.85
4	3760	44	409	4213	795	4052	0	4760	4468	-721	-577	12998	53	13051	1706	14757	49.89
5	3747	49	417	4213	791	4093	0	4760	4857	-721	-560	13441	53	13494	1685	15179	49.95
6	3773	49	406	4228	794	4091	0	5213	5083	-755	-621	13622	70	13692	1736	15428	49.72
7	3763	129	415	4307	836	4089	2	5643	5709	-757	-676	14314	111	14425	1810	16235	49.78
8	3852	280	414	4546	708	4134	37	5021	5000	-716	-741	13707	116	13823	1955	15778	49.85
9	3914	211	410	4535	589	4376	85	4901	4627	-968	-907	13352	103	13455	2239	15694	49.95
10	3941	260	411	4612	656	4419	133	5416	5592	-954	-907	14552	81	14633	2613	17246	49.94
11	4024	392	402	4818	801	4532	164	5765	5509	-1220	-1133	14738	96	14834	2827	17661	49.91
12	4197	779	404	5380	864	4597	179	6109	6160	-1299	-1182	16025	125	16150	2890	19040	49.92
13	4716	344	408	5468	985	4465	163	6086	5699	-1288	-1151	15676	221	15897	2854	18751	49.87
14	4544	111	404	5059	863	4477	153	6034	5908	-1216	-1134	15374	169	15543	2739	18282	49.93
15	4577	305	409	5291	705	4500	116	6033	5993	-1223	-1071	15581	141	15722	2779	18501	49.78
16	4058	577	412	5047	437	4490	84	6035	5852	-1227	-1044	14913	193	15106	2784	17890	49.76
17	3997	476	413	4886	303	4216	41	5624	5436	-1138	-1044	13885	222	14107	2780	16887	49.78
18	4016	806	412	5234	212	4131	11	5048	4874	-1098	-987	13505	615	14120	2736	16856	49.86
19	4054	519	410	4983	212	4285	0	5161	5225	-1226	-1104	13648	649	14297	2790	17087	49.93
20	3981	364	410	4755	259	4306	0	5178	5005	-1124	-1149	13223	802	14025	2761	16786	50.00
21	4023	260	412	4695	333	4306	0	4917	5090	-1140	-1035	13411	567	13978	2598	16576	49.94
22	4005	196	412	4613	401	4246	0	4593	3905	-1104	-1018	12193	349	12542	2449	14991	49.94
23	4011	153	414	4578	504	4053	0	4627	4178	-972	-958	12401	191	12592	2329	14921	49.81
24	3941	50	415	4406	566	3765	0	4714	4393	-917	-1012	12150	158	12308	2232	14540	49.88
MUs	96.65	6.67	9.86	113.17	14.49	101.7 5	1.17	125.38	122.32	-24.07	-22.21	331.72	5.28	337.00	57.00	393.99	49.87

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 30/Oct/2014

Position as on 6.30 Hrs of 31/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	
Parli Unit 4	210	13/10/2014	10.49		Continued.	Coal Shortage.	
Uran Unit 6	108	24/10/2014	15.58		Continued.	gas shortage	
Bhusawal Unit 3	210	27/10/2014	04.58		Continued.	poor coal receipt	
Khaparkheda Unit 3	210	27/10/2014	12.43	30/10/2014	22.43	BLR T/L.	
Bhusawal Unit 5	500	27/10/2014	15.02		Continued.	Coal Shortage.	
Koradi Unit 7	210	27/10/2014	17.10	30/10/2014	10.13	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	30/10/2014	07.28	Furnace Pressure High	
Nasik Unit 5	210	30/10/2014	13.20		Continued.	Economiser Tube Leakage	
CPP IPL U-2	270	30/10/2014	16.16		Continued.	Gen.Diff.Protection operated	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Oct/2014

Position as on 6.30 Hrs of 31/Oct/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised 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	30/10/2014	09.34	To Attend Hot Spot
Solapur - Solapur (PG)	30/10/2014	18.43	30/10/2014	21.26	For Reactor Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - II	29/10/2014	21.12	30/10/2014	06.38	Over Voltage.
Kolhapur - Mapusa - I	29/10/2014	23.16	30/10/2014	21.00	Over Voltage
Kolhapur - Mapusa - I	30/10/2014	17.20		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	30/10/2014	21.02	31/10/2014	05.53	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik - Navsari - II	31/10/2014	01.42	31/10/2014	02.28	Distance Protection
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.
Lonikand - Jejuri	30/10/2014	10.59	30/10/2014	19.27	Annual Testing of Line CT and CVT.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Pedambe - Oni	30/10/2014	08.15	30/10/2014	17.48	Relay Testing work
Mudshingi-Wathar	30/10/2014	10.23	30/10/2014	13.06	Q.M.Work
Babaleshwar - Alephata	30/10/2014	11.15	30/10/2014	17.46	Damage Cond Repares.
Urse-II - Talegaon	30/10/2014	11.58	30/10/2014	18.59	Replacement of Ph C.T.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
New Koyna - Dabhol - I	24/10/2014	16.10		Continued.	Over Voltage.
Bhusawal- Aurangabad	29/10/2014	16.20	30/10/2014	06.18	Over Voltage.
Karad-Jaigad I	29/10/2014	16.20	30/10/2014	08.57	Over Voltage.
Karad - Kolhapur - I	29/10/2014	16.47		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	29/10/2014	23.02	30/10/2014	06.55	Over Voltage
Bhusawal- Aurangabad	30/10/2014	17.00	31/10/2014	05.45	Over Voltage
Lonikand- Koyna Stage IV	30/10/2014	21.51		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Padgha - Kalwa- I	30/10/2014	20.13	31/10/2014	00.01	Distance Prot.
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.
Baramati - Lonand	30/10/2014	15.25	30/10/2014	15.37	Over Current.
Kandalgaon - Sonalloy	30/10/2014	15.25	30/10/2014	15.40	Distance Protection.
Baramati - Lonand	30/10/2014	19.35	30/10/2014	20.00	Over Current.
Mudshingi - Talandage - I	30/10/2014	20.45	30/10/2014	21.43	Bus Fault at Musungi Due to R - Ph CT Burst of Wathar Ckt.
Mudshini - Talangade - II	30/10/2014	20.45	30/10/2014	21.45	Bus Fault at Musungi Due to R - Ph CT Burst of Wathar Ckt.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Oct/2014

Position as on 6.30 Hrs of 31/Oct/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Mudshingi - Peth	30/10/2014	20.45	30/10/2014	21.18	Bus Fault at Musungi Due to R - Ph CT Burst of Wathar Ckt.
Mudshingi - Karad - II	30/10/2014	20.45	30/10/2014	21.12	Bus Fault at Musungi Due to R - Ph CT Burst of Wathar Ckt.
Mudshingi-Karad - IV	30/10/2014	20.45	30/10/2014	21.17	Bus Fault at Musungi Due to R - Ph CT Burst of Wathar Ckt.
Mumewadi-Mudshingi	30/10/2014	20.45	30/10/2014	21.25	Bus Fault at Musungi Due to R - Ph CT Burst of Wathar Ckt.
Mudshingi - Chikodi	30/10/2014	20.45	30/10/2014	22.28	Bus Fault at Musungi Due to R - Ph CT Burst of Wathar Ckt.
Mudshingi-Wathar	30/10/2014	20.45		Continued.	Bus Fault at Musungi Due to R - Ph CT Burst of Wathar Ckt.
220/110KV 200MVA ICT-II at Mudshingi	30/10/2014	21.19		Continued.	Bus Fault.
220/110 KV 200MVA ICT - III @ Mudshigi	30/10/2014	21.20		Continued.	Bus Fault.
220/110KV,200 MVA ICT-I at Mudshingi	30/10/2014	21.21		Continued.	Bus Fault.
Voltage Level : 132KV			Outage Type TRIPPED		
Kalmeshwar-Saoner Ckt.II	30/10/2014	01.40	30/10/2014	02.45	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 31/Oct/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	145
	620	285
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	300
Unit 5	500	0
	1420	300
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	160
Unit 6	250	183
Unit 7	250	200
	1130	543
Chandrapur		
Unit 1	210	0
Unit 2	210	150
Unit 3	210	160
Unit 4	210	165
Unit 5	500	300
Unit 6	500	300
Unit 7	500	300
	2340	1375
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
Unit 5	500	360
	1340	1040
Nasik		
Unit 3	210	172
Unit 4	210	172
Unit 5	210	0
	630	344
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	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	28
GHATGHAR	250	0
	611	235
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	215
Adani	2640	2315
Other CPPs	300	500
	4545	4185
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	5828
	3455	5828