



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

State Load Dispatch Center, Airoli

Daily system Report

for

03/Nov/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 03/Nov/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	102.280	307.739	1) Gujrat	5.001	14.431
2) Hydro	10.110	22.867	2) Madhya Pradesh	18.481	50.534
3) Gas	9.524	28.765	3) Chattisgarh	10.160	29.050
Total MSGENCO	121.914	359.371	4) Maharashtra Net	103.041	302.586
B) 1) JSW JAIGAD	22.540	68.427	(Incl. 765kV Solapur-Raichur)	-6.306	-24.914
2) WPCL	2.571	7.491	5) Goa	-6.799	-19.033
3) ADANI	54.390	163.520	6) TAPS 1&2 Injection	3.630	8.796
4) Other CPP / IPP	19.314	54.550	7) RGPPL Injection	0.000	0.000
5) Wind Generation	8.780	26.111	8) Pench (Excess)	-0.946	-2.585
6) PENCH (MS)	0.946	2.585	# Total Cent. Sector	132.568	383.779
7) SOLAR	1.086	2.959	F) Other Exchanges		
C) 1) TPCL Thermal	14.523	54.202	1) With TPCL (Excess)	-25.725	-62.077
2) TPCL Hydro	6.345	9.308	G) Bilateral Power *		
TOTAL TPCL	20.868	63.510	1) MSEDCL Bilateral	33.494	103.162
3) REL Thermal	12.120	36.889	Include PX	10.423	31.296
D) STATE			2) MUMBAI Bilateral	23.123	62.664
1) Thermal (A1+C1+C3)	128.923	398.830	Include PX	4.239	7.510
2) Hydro (A2+B6+C2)	17.401	34.760	3) MUMBAI Schedule	23.185	62.725
3) Gas (A3)	9.524	28.765	H) ENERGY CATERED (MUs)		
4) Wind (B5)	8.780	26.111	1) MSEDCL	338.384	1006.716
5) CPP/IPP (B1+B2+B3+B4)	98.815	293.988	2) TPCL	35.781	98.595
6) SOLAR (B7)	1.086	2.959	3) REL	22.934	63.880
TOTAL STATE	264.529	785.413	TOTAL STATE	397.099	1169.191

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	4938	4887	4271
MSGENCO Hydro	647	770	86
MSGENCO Gas	388	395	408
MSGENCO Total Generation	5973	6052	4765
Central Sector Receipt	6275	6510	4568
WIND	667	349	528
CPP / IPP	4195	4171	3958
SOLAR	162	119	0
Exchange with Mumbai	-1385	-1326	-611
MSEDCL DEMAND MET	15934	15922	13233
Load Shedding	1101	690	88
MSEDCL DEMAND	17035	16612	13321
TPCL GENERATION	1063	1092	654
R-INFRA GENERATION	515	520	454
TPCL+R-INFRA DEMAND	2963	2938	1719
STATE DEMAND MET	18897	18860	14952
STATE DEMAND	19998	19550	15040
Frequency (Hz)	49.98	49.91	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.2 Hz at 13:02 Hrs	49.65 Hz at 06:12 Hrs	49.97	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 03/Nov/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	3.54	10.02	160	130	153
Unit 7	3.07	9.92	150	115	133
Total	6.61	19.94			286
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	0.00	0	0	0
Unit 4	7.95	23.75	490	290	300
Unit 5	0.00	0.00	0	0	0
Total	7.95	23.75			300
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.61	10.81	163	126	150
Unit 6	4.60	13.75	250	177	180
Unit 7	4.49	13.46	250	168	180
Total	12.70	38.02			510
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.98	9.97	156	0	150
Unit 3	3.74	10.74	165	147	160
Unit 4	4.01	11.87	194	159	165
Unit 5	7.70	23.03	450	285	300
Unit 6	7.40	22.10	395	275	300
Unit 7	7.41	22.55	422	261	300
Total	33.25	100.27			1375
Paras					
Unit 3	4.43	13.43	215	171	180
Unit 4	4.51	13.27	218	174	180
Total	8.94	26.70			360
Khaparkheda					
Unit 1	4.08	11.49	185	165	170
Unit 2	4.11	11.36	185	150	170
Unit 3	4.31	11.99	214	171	170
Unit 4	4.25	11.94	210	166	170
Unit 5	3.95	22.28	365	0	360
Total	20.70	69.07			1040
Nasik					
Unit 3	4.06	12.20	200	160	190
Unit 4	4.04	12.06	191	160	190
Unit 5	4.02	5.74	190	156	190
Total	12.13	30.00			570
Uran					
All Units	9.52	28.76	419	304	420
Total	9.52	28.76			420
PENCH (MS)					
Pench (MS)	0.95	2.58	49	12	
Total	0.95	2.58			
Koyna					
Stage 1-2	4.32	8.78	485	40	530
Stage 4	0.37	0.79	203	0	250
Stage 3	1.36	2.63	160	0	240
Kovna 12&4 Total	4.69	9.57			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	6.05	12.20			1020
Hydro					
KDPH	0.00	0.00	0	0	
VTRNA	1.02	3.05	61	0	61
TILLARI	0.38	1.05	64	0	62
BHTGR/VEER	0.10	0.31	5	4	3
BHIRA T.R.	0.11	0.45	40	0	80
RNGR+BHTSA	0.00	0.33	0	0	
BHANDARDRA	0.00	0.00	0	0	
ELDARY	0.30	0.34	15	7	
SMLHY PTN	0.58	1.12	31	21	26
GHATGHAR	1.57	4.02	245	0	
Total	4.06	10.67			232
Wind					
MalharPeth	0.38	1.02			
Vankuswadi	0.76	1.96			
ATIT	0.10	0.22			
Kale	0.25	1.06			
Satara	5.22	15.00			
Shirala	0.35	0.98			
K Mahankal	0.02	0.08			
Supa	0.07	0.25			
Vita	1.17	3.49			
Dondaicha	0.06	0.37			
Sakri	0.00	0.03			
Nandurbar	0.13	0.63			
Khandke	0.10	0.46			
Khaparale	0.15	0.54			
Total	8.78	26.11			
CPP					
JSW JAIGAD	22.54	68.43	944	935	855
WARDHA	2.57	7.49	113	97	110
Adani	54.39	163.52	2300	2100	2315
Other CPPs	19.31	54.55			745
Total	98.82	293.99			4025
SOLAR					
Total	1.09	2.96			
Total	1.09	2.96			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	6.28	29.41	318	0	500
Trombay 6	3.74	11.21	156	155	500
Trombay 7A	2.88	8.69	127	114	120
Trombay 7B	1.63	4.90	70	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	6.34	9.31	482	0	447
Total	20.87	63.51			1627
REL					
1&2	12.12	36.89	520	453	500
Total	12.12	36.89			500
Cent Sect					
Share					6578
Total					6578
MS PG CL	Thermal	102.28	307.74		4441
	Thml+Gas	111.80	336.50		4861
	Hydro	10.11	22.87		1252
	Total	121.91	359.37		6113
State Total		264.53	785.41		18843

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 03/Nov/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	4340	147	404	4891	335	3798	0	4898	4922	-733	-934	13037	106	13143	2040	15183	50.02
2	4304	81	406	4791	418	3999	0	4827	4734	-692	-764	13203	88	13291	1874	15165	49.99
3	4279	81	406	4766	513	3986	0	4826	4851	-668	-682	13459	88	13547	1787	15334	50.02
4	4271	86	408	4765	528	3958	0	4824	4568	-656	-611	13233	88	13321	1719	15040	50.01
5	4320	86	408	4814	518	4015	0	4886	4887	-662	-587	13659	92	13751	1690	15441	49.98
6	4297	81	406	4784	515	4023	0	5232	5172	-696	-586	13957	261	14218	1749	15967	49.91
7	4340	84	407	4831	502	4088	0	5421	5409	-740	-631	14246	664	14910	1816	16726	49.78
8	4401	94	410	4905	435	4129	27	4906	5109	-902	-749	13903	677	14580	1943	16523	49.99
9	4373	229	412	5014	375	4175	78	4823	4905	-954	-932	13658	551	14209	2234	16443	49.98
10	4392	631	416	5439	451	4177	107	5418	5855	-1004	-1092	14980	595	15575	2629	18204	49.96
11	4321	664	408	5393	725	4162	149	5746	6052	-1131	-1285	15217	763	15980	2889	18869	49.92
12	4228	1013	406	5647	770	4182	161	6221	6539	-1197	-1369	15976	936	16912	2986	19898	49.97
13	4938	647	388	5973	667	4195	162	6206	6275	-1189	-1385	15934	1101	17035	2963	19998	49.98
14	4991	460	382	5833	472	4173	150	5989	6300	-1104	-1324	15651	971	16622	2902	19524	50.01
15	4887	770	395	6052	349	4171	119	6376	6510	-1102	-1326	15922	690	16612	2938	19550	49.91
16	4248	864	399	5511	224	4182	91	6470	6804	-1100	-1331	15528	577	16105	2944	19049	49.91
17	3991	853	403	5247	138	4171	39	5921	6219	-1071	-1329	14532	589	15121	2944	18065	49.87
18	3985	846	419	5250	87	4193	3	5327	5085	-1027	-1268	13395	789	14184	2881	17065	49.97
19	4001	632	304	4937	56	4183	0	5687	6073	-1088	-1317	13979	613	14592	2910	17502	50.02
20	3975	395	304	4674	74	4175	0	5746	5889	-1134	-1303	13556	755	14311	2848	17159	50.02
21	3863	447	408	4718	119	4165	0	5129	5417	-1101	-1238	13202	597	13799	2702	16501	50.02
22	3864	319	408	4591	157	4171	0	5030	5323	-1131	-1202	13087	394	13481	2561	16042	50.04
23	3838	390	409	4637	172	4184	0	4723	4792	-1085	-1256	12577	230	12807	2427	15234	49.95
24	3833	210	408	4451	180	4160	0	4822	4878	-1019	-1224	12493	197	12690	2337	15027	50.01
MUs	102.28	10.11	9.52	121.91	8.78	98.82	1.09	129.45	132.57	-23.18	-25.72	338.38	12.41	350.80	58.71	409.51	49.97

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 03/Nov/2014

Position as on 6.30 Hrs of 04/Nov/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	
Bhusawal Unit 5	500	27/10/2014	15.02		Continued.	Coal Shortage.	
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	
CPP IPL U-2	270	30/10/2014	16.16		Continued.	Gen.Diff.Protection operated	
CPP WPCL U-4	135	01/11/2014	00.19		Continued.	Withdrawn	
CPP JSW (J) U4	300	01/11/2014	05.42		Continued.	Feed Water Line Leakage.	
Khaparkheda Unit 5	500	03/11/2014	10.57		Continued.	Electrical Fault.	
Chandrapur Unit 2	210	03/11/2014	19.36	04/11/2014	05.11	UAT Diff Prot Optd.	
Tata Trombay 5	500	03/11/2014	21.05		Continued.	Drain leakage problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Nov/2014

Position as on 6.30 Hrs of 04/Nov/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.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	02/11/2014	18.37		Continued.	Over Voltage.
Kolhapur-Mapusa-II	02/11/2014	20.58	03/11/2014	08.50	Over Voltage.
Kolhapur - Mapusa - II	03/11/2014	16.57		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.
Main Bus - I @ Chandrapur Switching	03/11/2014	10.44	03/11/2014	18.27	CRM Testing and isolator allignment work.
TIE-BAY(A'bad Ckt GT-4,409)@ 400KV AT DEEPNAGAR	03/11/2014	11.51	03/11/2014	13.22	Measurement of tan delta of CT and collecting oil samaples.
400KV A'bad Ckt Main Bay 408 at Deepnagar	03/11/2014	13.41	03/11/2014	17.16	Measurement of tan delta of CT and collecting oil samaples.
Koyna IV - Jejuri	04/11/2014	05.20		Continued.	Insulator Repl.Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Badnera-Amravati	03/11/2014	08.56	03/11/2014	16.04	Repl of Y-Ph CT.
Bus Coupler @ Jamde	03/11/2014	09.36	03/11/2014	17.00	Tan delta testing and jumper Repl and isolator alignment work.
TBC @ Jamde	03/11/2014	09.36	03/11/2014	18.00	Tan delta testing and jumper Repl and isolator alignment work.
Apta-Uran-II	03/11/2014	10.05	03/11/2014	17.46	R.M.Work
Karad Mudsingi-II	03/11/2014	10.11	03/11/2014	14.29	Q.M.Work
Pawas-Kharepatan	03/11/2014	10.30	03/11/2014	14.40	Removal of bird nest on line isolator & R.M.Work.
Khaperkheda - Ambazari - II	03/11/2014	10.33	03/11/2014	13.39	For removal of damaged vibration damper and providing repair sleeve.
Kalmeshwar-Ambazari	03/11/2014	12.10	03/11/2014	14.14	Hot Spot,on B-Ph CT.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Lonikand 2-Parli-I	03/11/2014	12.25	03/11/2014	12.38	outage availed on line reactor.(Line taken I/S without reactor.)
Voltage Level : 400KV			Outage Type HAND TRIPPED		
New Koyna - Dabhol - I	24/10/2014	16.10		Continued.	Over Voltage.
Karad-Jaigad I	01/11/2014	16.35	03/11/2014	10.37	over voltage
Nagothane-Dabhol-I	01/11/2014	21.53		Continued.	over voltage
Karad - Kolhapur - I	02/11/2014	16.04	03/11/2014	09.02	Over Voltage.
Bhusawal- Aurangabad	02/11/2014	16.10	03/11/2014	06.33	Over Voltage.
Lonikand- Koyna Stage IV	02/11/2014	21.29	03/11/2014	06.27	Over Voltage.
Karad - Kolhapur - II	03/11/2014	16.04		Continued.	Over Voltage.
Karad-Jaigad I	03/11/2014	16.36		Continued.	Over Voltage.
Lonikand 2-Parli-I	03/11/2014	16.55	03/11/2014	17.06	To take line reactor in service.
Bhusawal- Aurangabad	03/11/2014	17.39		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Nov/2014

Position as on 6.30 Hrs of 04/Nov/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Chinchwad - Hinjewadi	03/11/2014	09.33	03/11/2014	16.32	O/L of Chinchwad-Urse line.
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
220/22KV 50 MVA T/F II at Uran	23/10/2014	08.30		Continued.	Caught Fire.
Tillary - Halkarni	02/11/2014	18.10	03/11/2014	15.10	Distance Protection.
Parli-I - Harangul - II	03/11/2014	12.15	03/11/2014	13.30	At ICL End only
Voltage Level : 132KV			Outage Type TRIPPED		
Mazalgaon-Mahesh Sugar Ind.	03/11/2014	13.15	03/11/2014	13.40	Dist Prot.
Ambazari - Amravati	03/11/2014	20.00	03/11/2014	20.08	Dist Prot.
Voltage Level : 110KV			Outage Type TRIPPED		
Borivali(T)-Borivali(M)-I	04/11/2014	02.26	04/11/2014	03.48	Dist Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 04/Nov/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	145
Unit 7	210	140
	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	180
Unit 7	250	180
	1130	520
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	180
Unit 4	250	180
	500	360
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
Unit 5	500	0
	1340	680
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	62

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	3
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	26
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	855
WARDHA	405	110
Adani	2640	2315
Other CPPs	300	745
	4545	4025
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1127
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	6595
	3455	6595

	21940	7 of 7	18012
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