



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

State Load Dispatch Center, Airoli

Daily system Report

for

11/Nov/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 11/Nov/2013 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	99.663	1111.459	1) Gujrat	13.269	154.492
2) Hydro	19.953	127.990	2) Madhya Pradesh	20.169	192.649
3) Gas	7.033	103.221	3) Chattisgarh	11.380	124.340
Total MSGENCO	126.649	1342.670	4) Maharashtra	77.332	843.979
B) 1) JSW JAIGAD	18.369	199.246	5) Goa	-5.160	-59.836
2) WPCL	5.324	57.569	6) TAPS 1&2 Injection	7.761	82.753
3) ADANI	42.330	380.470	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	9.938	93.234	8) Pench (Excess)	-0.437	-4.400
5) Wind Generation	3.777	38.750	# Total Cent. Sector	124.314	1333.977
6) PENCH (MS)	0.437	4.400	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-23.482	-224.741
1) TPCL Thermal	19.868	209.861	G) Bilateral Power *		
2) TPCL Hydro	5.161	38.628	1) MSEDCL Bilateral	31.935	337.198
TOTAL TPCL	25.029	248.489	Include PX	3.332	37.580
3) REL Thermal	6.282	111.238	2) MUMBAI Bilateral	19.472	203.345
D) STATE			Include PX	8.597	85.249
1) Thermal (A1+C1+C3)	125.813	1432.558	3) MUMBAI Schedule	22.358	206.683
2) Hydro (A2+B5+C2)	25.551	171.018	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.033	103.221	1) MSEDCL	307.656	3225.575
4) Wind (B4)	3.777	38.750	2) TPCL	36.372	379.500
5) CPP (B1+B2+B3)	75.961	392.379	3) REL	18.423	204.697
TOTAL STATE	238.135	2137.926	TOTAL STATE	362.451	3809.772

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4053	4348	3791
MSGENCO Hydro	1857	1752	146
MSGENCO Gas	290	286	295
MSGENCO Total Generation	6200	6386	4232
Central Sector Receipt	5666	5644	4976
WIND	439	58	126
CPP / IPP	3270	3075	3145
Exchange with Mumbai	-1205	-1089	-736
MSEDCL DEMAND MET	14395	14114	11743
Load Shedding	602	532	115
MSEDCL DEMAND	14997	14646	11858
TPCL GENERATION	1285	1344	621
R-INFRA GENERATION	263	261	256
TPCL+R-INFRA DEMAND	2753	2694	1613
STATE DEMAND MET	17148	16808	13356
STATE DEMAND	17750	17340	13471
Frequency (Hz)	49.99	49.94	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.3 Hz at 21.52 Hrs	49.52 Hz at 06.46 Hrs	49.99	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 11/Nov/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	20.30	0	0	0
Unit 6	3.18	30.23	158	94	135
Unit 7	3.63	39.35	170	130	165
Total	6.81	89.88			300
Bhusawal					
Unit 2	3.65	40.09	170	130	150
Unit 3	3.70	39.64	170	140	150
Unit 4	5.85	63.58	270	225	269
Unit 5	0.00	0.00	0	0	
Total	13.20	143.31			569
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.69	38.57	172	120	128
Unit 5	3.53	39.10	163	126	138
Unit 6	0.01	17.44	11	0	0
Unit 7	0.00	20.35	0	0	0
Total	7.23	115.46			266
Chandrapur					
Unit 1	3.52	20.65	153	133	150
Unit 2	3.44	32.28	150	134	150
Unit 3	3.80	34.14	178	126	150
Unit 4	1.54	29.36	183	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	10.06	99.77	430	390	425
Unit 7	7.82	88.58	367	259	300
Total	30.19	304.77			1175
Paras					
Unit 3	4.36	44.26	212	116	160
Unit 4	5.59	53.97	255	201	230
Total	9.94	98.23			390
Khaparkheda					
Unit 1	2.64	22.84	165	0	0
Unit 2	2.70	34.07	140	65	90
Unit 3	2.13	32.34	159	0	50
Unit 4	3.73	44.92	169	145	156
Unit 5	8.24	97.62	389	300	346
Total	19.43	231.80			642
Nasik					
Unit 3	4.37	46.08	190	170	190
Unit 4	4.25	35.02	190	164	190
Unit 5	4.24	46.90	191	164	190
Total	12.86	128.02			570
Uran					
All Units	7.03	103.22	303	285	280
Total	7.03	103.22			280
PENCH (MS)					
Pench (MS)	0.44	4.40	47	0	
Total	0.44	4.40			
Koyna					
Stage 1-2	5.72	37.18	570	40	600
Stage 4	8.75	49.39	1100	0	250
Stage 3	2.95	19.42	316	0	320
Kovna 12&4 Total	14.47	86.57			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	17.42	105.99			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.17	0	0	0
TILLARI	0.17	1.96	59	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.15	2.27	40	0	40
RNGR+BHTSA	0.40	4.35	17	16	16
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.36	5.63	15	14	0
GHATGHAR	1.46	7.62	250	0	0
Total	2.53	22.00			116
Wind					
MalharPeth	0.25	2.52			
Vankuswadi	0.52	3.82			
ATIT	0.06	1.37			
Kale	0.19	1.34			
Satara	1.58	12.96			
Shirala	0.18	1.30			
K Mahankal	0.02	1.33			
Supa	0.03	0.66			
Vita	0.54	5.41			
Dondaicha	0.27	3.71			
Sakri	0.03	0.38			
Nandurbar	0.02	0.31			
Khandke	0.04	2.32			
Khaparale	0.03	1.32			
Total	3.78	38.75			
CPP					
JSW JAIGAD	18.37	199.25	834	722	756
WARDHA	5.32	57.57	232	210	225
Adani	42.33	380.47	1830	1570	1851
Other CPPs	9.94	88.45			245
Total	75.96	725.74			3077
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.82	111.05	503	315	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	1.90	22.32	125	60	120
Trombay 7B	1.31	15.05	70	48	60
Trombay 8	5.84	61.45	254	186	250
TATA Hydro	5.16	38.63	459	0	447
Total	25.03	248.49			1377
REL					
1&2	6.28	111.24	264	256	250
Total	6.28	111.24			250
Cent Sect					
Share					5430
Total					5430

MS PG CL	Thermal	99.66	1111.46			3912
	Thml+Gas	106.70	1214.68			4192
	Hydro	19.95	127.99			1286
	Total	126.65	1342.67			5478
State Total		238.14	2137.93			15612

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 11/Nov/2013

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	3956	70	293	4319	206	3155	4524	5395	-871	-995	12090	84	12174	1986	14160	49.99
2	3915	70	294	4279	178	3150	4399	5163	-751	-846	11924	68	11992	1800	13792	50.06
3	3867	80	294	4241	158	3169	4308	5015	-664	-801	11782	68	11850	1697	13547	50.06
4	3822	75	295	4192	156	3175	4255	5048	-614	-766	11805	69	11874	1636	13510	50.05
5	3791	146	295	4232	126	3145	4255	4976	-614	-736	11743	115	11858	1613	13471	49.94
6	3758	406	294	4458	160	3159	4323	4910	-568	-543	12144	420	12564	1682	14246	49.91
7	3905	396	295	4596	188	3173	4377	4819	-598	-571	12232	891	13123	1744	14867	49.78
8	3972	951	294	5217	172	3172	4619	5005	-671	-730	12863	911	13774	1873	15647	49.92
9	4084	1336	296	5716	176	3211	4938	4995	-836	-906	13219	846	14065	2164	16229	49.90
10	4095	1974	290	6359	290	3204	5230	5280	-936	-1105	14055	644	14699	2522	17221	49.96
11	4053	1857	290	6200	439	3270	5360	5666	-1170	-1205	14395	602	14997	2753	17750	49.99
12	4085	1931	287	6303	332	3086	5305	5644	-1223	-1219	14171	707	14878	2802	17680	50.00
13	4214	1823	288	6325	265	3142	5226	5545	-1195	-1237	14050	828	14878	2799	17677	49.97
14	4198	1727	286	6211	151	3209	5014	5754	-1167	-1207	14118	742	14860	2678	17538	50.02
15	4226	1828	286	6340	128	3077	5333	5821	-1154	-1215	14151	612	14763	2707	17470	49.93
16	4341	1919	285	6545	87	3059	5432	5744	-1153	-1190	14258	535	14793	2692	17485	49.95
17	4348	1752	286	6386	58	3075	4901	5644	-1140	-1089	14114	532	14646	2694	17340	49.94
18	4268	781	291	5340	81	3226	4587	4377	-1110	-1158	11906	706	12612	2640	15252	49.99
19	4419	306	298	5023	76	3251	4838	5349	-1148	-1123	12603	523	13126	2690	15816	50.04
20	4458	194	296	4948	79	3176	4852	4937	-1069	-1045	12142	575	12717	2626	15343	50.09
21	4527	100	296	4923	62	3178	4786	5051	-1058	-958	12278	398	12676	2462	15138	50.04
22	4491	77	300	4868	72	3186	4726	4797	-988	-928	12015	248	12263	2304	14567	50.11
23	4445	77	301	4823	70	3155	4664	4617	-907	-919	11771	169	11940	2170	14110	50.04
24	4425	77	303	4805	67	3158	4495	4761	-756	-990	11826	133	11959	2059	14018	50.03
MUs	99.66	19.95	7.03	126.65	3.78	75.96	114.75	124.31	-22.36	-23.48	307.66	11.43	319.08	54.79	373.87	49.99

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 11/Nov/2013

Position as on 6.30 Hrs of 12/Nov/2013

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	
Chandrapur Unit 5	500	14/07/2013	00.01		Continued.	Annual Overhaul	
FORCED OUTAGE							
Dabhol 3B	230	28/05/2013	21.58		Continued.	Gas shortage.	
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 3X	290	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	
Tata Trombay 6	500	19/07/2013	23.54		Continued.	Economic shut down.	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
CPP VIPL	300	02/10/2013	00.45		Continued.	Turbine bearing vibration high.	
Bhusawal Unit 5	500	18/10/2013	15.16		Continued.	ESP Problem.	
CPP JSW (J) U2	300	21/10/2013	00.00		Continued.	Lack of Shedule.	
Uran Unit 8	108	24/10/2013	08.00		Continued.	Gas Shortage.	
CPP WPCL U-1	135	03/11/2013	6.24		Continued.	ID FAN PROBLEM	
CPP Abhijeet	62	05/11/2013	11.53		Continued.	Turbine Tripped.	
Parli Unit 6	250	05/11/2013	15.29	11/11/2013	23.29	CHP Problem.	
Parli Unit 7	250	06/11/2013	06.39	12/11/2013	00.17	CHP Problem.	
CPP WPCL U-4	135	06/11/2013	12.27		Continued.	Convertor belt problem.	
Koradi Unit 5	200	07/11/2013	11.30		Continued.	Flame Failure.	
Uran Unit 6	108	07/11/2013	15.32		Continued.	Gas Shortage.	
REL 2	250	08/11/2013	23.44	12/11/2013	05.44	VALVE LEKAGE	
Khaparkheda Unit 3	210	09/11/2013	17.03	11/11/2013	5.35	FLAME FALURE	
Chandrapur Unit 4	210	09/11/2013	6.07	11/11/2013	07.45	BTL	
CPP WPCL U-3	135	10/11/2013	6.10		Continued.	I D FAN PROBLEM	
Khaparkheda Unit 1	210	11/11/2013	5.00	11/11/2013	08.05	flame falure	
Parli Unit 6	250	12/11/2013	03.55	12/11/2013	06.45	Drum Level Low.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 11/Nov/2013

Position as on 6.30 Hrs of 12/Nov/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli (PGCIL)-Bhadravati-II	06/11/2013	17.46		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	09/11/2013	16.37		Continued.	H/T FOR O/V
Kolhapur - Mapusa - II	10/11/2013	16.33		Continued.	over voltage
Solapur - Solapur (PG)	10/11/2013	17.12	11/11/2013	6.35	over voltage
Dhule-Sar'Sarovar - I	11/11/2013	2.28	11/11/2013	09.47	over voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol - NewKoyana - II	11/11/2013	17.04	11/11/2013	18.21	Over Voltage.
Karad - Solapur (PGCIL)	11/11/2013	17.05		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
TBC @ Kharghar	23/10/2013	10.30		Continued.	Isolator work
400/132 KV 200 MVA ICT - II @ Khadka	11/11/2013	09.07		Continued.	Replacement of Old 200 MVA ICT Under LES Upto 04/01/2014.
400/220 KV Spare ICT @ Lonikand.	11/11/2013	10.05	11/11/2013	18.39	Replacement of LA Under Jica II.
400/220 KV 315MVA ICT-II @ Kolhapur	11/11/2013	10.32	11/11/2013	16.25	Q.M.Work & Annual Relay Testing Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalisgaon line.
Trombay-Selsett-3	10/11/2013	8.00		Continued.	formation of kalwa salsett-3 and reorientaion work at LN-148
Kandalgaon - Sonalloy	10/11/2013	8.30		Continued.	BREAKERT REPLACEMENT WORK
220/132 KV 200 MVA ICT - I @ Akola	11/11/2013	09.35	11/11/2013	10.48	Tap Changing.
TBC @ Khaparkheda	11/11/2013	09.50	11/11/2013	10.45	Attending Oil Leakages of CT.
220/132 KV 200 MVA ICT - I @ Akola	11/11/2013	11.12		Continued.	To Attend Oil Leakage of OSR R Ph & Bucholz Relay By Company Representative.
Pedambe-Dasgaon	11/11/2013	11.20	11/11/2013	18.00	Replacement of Insulator & E/W Stringing Under LES.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
Deepnagar-Aurangabad-I	25/10/2013	17.37		Continued.	Hand tripped for Over Voltage
Bhusawal- Aurangabad	07/11/2013	17.28	11/11/2013	09.30	Over Voltage.
Karad - Newkoyana - I	10/11/2013	16.35	11/11/2013	09.51	over voltage
Karad - Kolhapur - I	10/11/2013	16.57	11/11/2013	07.29	over voltage
Bhusawal- Aurangabad	11/11/2013	17.08		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Hingoli-Pusad	09/11/2013	11.33		Continued.	H/T CONTROL PARLY ICT LOADING
Voltage Level : 400KV			Outage Type TRIPPED		
Bhusawal - Deepnagar - II	26/10/2013	18.50		Continued.	over voltage
Dabhol - New Koyana - I	04/11/2013	16.30		Continued.	Over Voltage.
Dabhol-Nagothane - II	06/11/2013	21.30		Continued.	Over Voltage.
Karad - Kolhapur - II	10/11/2013	21.48	11/11/2013	10.04	over voltage

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 11/Nov/2013

Position as on 6.30 Hrs of 12/Nov/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad-Jaigad I	11/11/2013	16.35		Continued.	Over Voltage.
Karad - Kolhapur - II	11/11/2013	16.36		Continued.	Over Voltage.
Dabhol - Nagothane - I	11/11/2013	17.45		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100 KV,200MVA ICT - I at Padgha	07/06/2013	17.48		Continued.	Diff.Protection
Miraj -Ichalkarajni	26/09/2013	22.00		Continued.	Over Load
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.
Hingoli-Pusad	06/11/2013	02.08		Continued.	Distance Protection, Conductor Brokan.
Voltage Level : 132KV			Outage Type TRIPPED		
Bale-Akkalkot	09/11/2013	11.15		Continued.	TRIPPED ON BREKER FALURE RELAY. LINE WAS ON TBC.LBB OPERATTED 132KV MAIN BUS BECOME DEAD LOAD AFFECTED 264MW APPROX

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 12/Nov/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	147
Unit 7	210	148
	620	295
Bhusawal		
Unit 2	210	160
Unit 3	210	160
Unit 4	500	290
Unit 5	500	0
	1420	610
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	150
Unit 6	250	0
Unit 7	250	160
	1130	460
Chandrapur		
Unit 1	210	140
Unit 2	210	140
Unit 3	210	165
Unit 4	210	200
Unit 5	500	0
Unit 6	500	425
Unit 7	500	400
	2340	1470
Paras		
Unit 3	250	200
Unit 4	250	250
	500	450
Khaparkheda		
Unit 1	210	135
Unit 2	210	140
Unit 3	210	160
Unit 4	210	160
Unit 5	500	350
	1340	945
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	290
	852	290
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	4
BHIRA T.R.	80	40
RNGR+BHTSA	20	4
BHANDARDRA	45	4
ELDARY	23	
SMLHY PTN	12	5
GHATGHAR	250	
	611	117
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	815
WARDHA	405	225
Adani	1320	1851
Other CPPs	300	240
	3225	3131
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5530
	3455	5530