



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

State Load Dispatch Center, Airoli

Daily system Report

for

19/Nov/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 19/Nov/2013 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	92.339	1930.974	1) Gujrat	5.046	197.990
2) Hydro	25.056	272.951	2) Madhya Pradesh	19.514	336.977
3) Gas	11.037	179.941	3) Chattisgarh	11.530	211.270
Total MSGENCO	128.432	2383.866	4) Maharashtra	84.703	1468.724
B) 1) JSW JAIGAD	19.885	353.872	5) Goa	-5.715	-104.028
2) WPCL	8.163	109.752	6) TAPS 1&2 Injection	7.745	144.647
3) ADANI	32.940	670.820	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	9.875	176.402	8) Pench (Excess)	-0.386	-8.089
5) Wind Generation	2.941	84.459	# Total Cent. Sector	122.437	2247.491
6) PENCH (MS)	0.386	8.089	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-16.164	-357.051
1) TPCL Thermal	21.414	369.617	G) Bilateral Power *		
2) TPCL Hydro	5.191	72.701	1) MSEDCL Bilateral	31.879	585.869
TOTAL TPCL	26.605	442.318	Include PX	2.824	60.797
3) REL Thermal	12.575	204.360	2) MUMBAI Bilateral	18.069	341.040
D) STATE			Include PX	4.667	124.838
1) Thermal (A1+C1+C3)	126.328	2504.951	3) MUMBAI Schedule	18.069	346.268
2) Hydro (A2+B5+C2)	30.633	353.741	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.037	179.941	1) MSEDCL	308.895	5677.700
4) Wind (B4)	2.941	84.459	2) TPCL	36.206	654.267
5) CPP (B1+B2+B3)	70.863	672.966	3) REL	19.134	349.182
TOTAL STATE	241.802	3796.058	TOTAL STATE	364.235	6681.149

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3687	3807	3867
MSGENCO Hydro	2294	1494	141
MSGENCO Gas	445	441	483
MSGENCO Total Generation	6426	5742	4491
Central Sector Receipt	5935	5840	4156
WIND	108	61	211
CPP / IPP	2980	2965	2985
Exchange with Mumbai	-914	-953	-163
MSEDCL DEMAND MET	14582	13681	11680
Load Shedding	696	728	156
MSEDCL DEMAND	15278	14409	11836
TPCL GENERATION	1347	1285	904
R-INFRA GENERATION	523	525	525
TPCL+R-INFRA DEMAND	2784	2763	1592
STATE DEMAND MET	17366	16444	13272
STATE DEMAND	18062	17172	13428
Frequency (Hz)	50.04	49.98	50.04

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.33 Hz at 21.43 Hrs	49.54 Hz at 06.46 Hrs	49.97	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

Shift Engineer

Shift Incharge

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 19/Nov/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.67	39.31	130	84	120
Unit 6	0.00	48.74	0	0	0
Unit 7	3.28	65.48	160	100	120
Total	5.95	153.53			240
Bhusawal					
Unit 2	0.00	60.61	0	0	0
Unit 3	3.25	66.61	145	125	150
Unit 4	0.00	69.44	0	0	0
Unit 5	0.00	0.00	0	0	0
Total	3.25	196.67			150
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.60	67.91	166	123	155
Unit 5	3.38	68.07	158	112	140
Unit 6	4.23	52.25	188	162	170
Unit 7	4.25	55.24	191	164	165
Total	15.46	243.47			630
Chandrapur					
Unit 1	2.55	37.54	133	78	111
Unit 2	2.66	57.12	122	95	97
Unit 3	3.52	66.42	186	92	134
Unit 4	3.75	65.76	202	135	161
Unit 5	0.00	0.00	0	0	0
Unit 6	9.56	153.06	425	350	368
Unit 7	7.85	155.66	345	296	303
Total	29.89	535.56			1174
Paras					
Unit 3	4.55	74.84	209	155	200
Unit 4	4.78	91.98	220	176	200
Total	9.32	166.81			400
Khaparkheda					
Unit 1	2.68	46.64	145	0	150
Unit 2	3.10	58.98	155	105	150
Unit 3	3.38	60.07	160	125	150
Unit 4	3.56	76.79	165	138	150
Unit 5	6.82	170.36	315	260	350
Total	19.54	412.84			950
Nasik					
Unit 3	0.00	71.26	0	0	0
Unit 4	4.45	69.42	190	167	190
Unit 5	4.48	81.42	192	174	190
Total	8.92	222.10			380
Uran					
All Units	11.04	179.94	486	428	475
Total	11.04	179.94			475
PENCH (MS)					
Pench (MS)	0.39	8.09	47	0	
Total	0.39	8.09			
Koyna					
Stage 1-2	6.16	77.51	555	40	600
Stage 4	11.58	107.09	1120	0	250
Stage 3	3.71	40.07	320	0	320
Kovna 12&4 Total	17.74	184.60			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	21.44	224.68			1170
Hydro					
KDPH	0.90	4.62	38	37	36
VTRNA	0.00	0.17	0	0	0
TILLARI	0.18	3.70	60	0	60
BHTGR/VEER	0.12	0.89	5	5	5
BHIRA T.R.	0.22	4.10	41	0	40
RNGR+BHTSA	0.41	7.41	17	17	5
BHANDARDRA	0.00	0.00	0	0	5
ELDARY	0.00	0.00	0	0	
SMLHY PTN	0.77	10.35	32	32	6
GHATGHAR	1.02	17.04	125	0	
Total	3.61	48.28			157
Wind					
MalharPeth	0.35	5.18			
Vankuswadi	0.31	8.66			
ATIT	0.32	2.14			
Kale	0.07	2.98			
Satara	0.17	29.61			
Shirala	0.10	2.92			
K Mahankal	0.37	1.87			
Supa	0.06	1.32			
Vita	0.45	11.39			
Dondaicha	0.27	8.92			
Sakri	0.04	1.03			
Nandurbar	0.07	0.78			
Khandke	0.25	4.56			
Khaparale	0.11	3.09			
Total	2.94	84.46			
CPP					
JSW JAIGAD	19.88	353.87	900	785	813
WARDHA	8.16	109.75	363	318	340
Adani	32.94	670.82	1580	1210	1851
Other CPPs	9.88	171.62			245
Total	70.86	1306.07			3249
Tata					
Trombay 4		0.00	0	0	0
Trombay 5	11.58	195.21	504	316	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.42	41.16	110	85	120
Trombay 7B	1.50	26.83	66	57	60
Trombay 8	5.92	106.40	252	186	250
TATA Hydro	5.19	72.70	459	0	447
Total	26.60	442.32			1377
REL					
1&2	12.58	204.36	526	516	500
Total	12.58	204.36			500
Cent Sect					
Share					5331
Total					5331

MS PG CL	Thermal	92.34	1930.97			3924
	Thml+Gas	103.38	2110.92			4399
	Hydro	25.06	272.95			1327
	Total	128.43	2383.87			5726
State Total		241.80	3796.06			16183

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/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	3947	141	483	4571	161	2902	4180	4902	-680	-706	11830	113	11943	1879	13822	49.92
2	3882	166	483	4531	191	2949	4094	4547	-595	-491	11727	142	11869	1738	13607	49.93
3	3896	131	483	4510	190	2914	4138	4335	-514	-270	11679	154	11833	1655	13488	49.99
4	3867	141	483	4491	211	2985	4270	4156	-477	-163	11680	156	11836	1592	13428	50.04
5	3888	136	486	4510	211	3018	4364	4514	-479	-157	12096	160	12256	1583	13839	49.90
6	3931	206	478	4615	202	3031	4483	5044	-465	-253	12639	395	13034	1675	14709	49.89
7	3960	848	468	5276	182	3067	4502	4678	-527	-341	12869	1023	13892	1813	15705	49.72
8	3911	1492	473	5876	148	3030	4559	4777	-592	-418	13459	1067	14526	1936	16462	49.89
9	3864	1777	463	6104	93	2978	4729	4927	-575	-471	13677	996	14673	2208	16881	49.94
10	3732	2168	455	6355	105	2910	5260	5536	-755	-680	14273	747	15020	2548	17568	49.90
11	3687	2294	445	6426	108	2980	5419	5935	-965	-914	14582	696	15278	2784	18062	50.04
12	3710	2204	438	6352	104	2993	5510	5779	-1022	-905	14370	847	15217	2814	18031	49.90
13	3679	2145	432	6256	113	3050	5515	5713	-989	-938	14204	1001	15205	2812	18017	49.91
14	3758	2053	429	6240	93	3095	5381	5677	-927	-903	14202	909	15111	2728	17839	50.08
15	3803	1985	428	6216	58	2970	5627	5957	-921	-948	14273	735	15008	2761	17769	50.01
16	3855	1892	439	6186	74	2941	5717	6025	-924	-970	14282	837	15119	2773	17892	50.06
17	3807	1494	441	5742	61	2965	5581	5840	-935	-953	13681	728	14409	2763	17172	49.98
18	3826	1093	449	5368	44	3030	4866	4715	-912	-933	12265	759	13024	2723	15747	49.94
19	3839	998	453	5290	47	3169	4881	5116	-974	-998	12647	541	13188	2753	15941	50.01
20	3883	793	455	5131	54	2981	4750	4778	-870	-872	12072	608	12680	2685	15365	50.05
21	3916	417	462	4795	117	2717	4566	4871	-789	-746	11754	414	12168	2517	14685	50.02
22	3943	163	466	4572	129	2738	4513	4757	-782	-779	11417	262	11679	2329	14008	50.04
23	3925	187	470	4582	123	2746	4573	4865	-726	-707	11609	163	11772	2201	13973	49.96
24	3830	132	475	4437	122	2704	4796	4994	-672	-648	11609	128	11737	2074	13811	50.04
MUs	92.34	25.06	11.04	128.43	2.94	70.86	116.27	122.44	-18.07	-16.16	308.90	13.58	322.48	55.34	377.82	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 19/Nov/2013

Position as on 6.30 Hrs of 20/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.	
CPP Abhijeet	62	05/11/2013	11.53		Continued.	Turbine Tripped.	
Uran Unit 6	108	07/11/2013	15.32		Continued.	Gas Shortage.	
CPP WPCL U-3	135	10/11/2013	6.10		Continued.	I D FAN PROBLEM	
Bhusawal Unit 4	500	12/11/2013	21.13		Continued.	Tripped,As GT4 Burst.	
Uran Unit 8	108	16/11/2013	23.16		Continued.	GAS RESTRICTION	
Koradi Unit 6	210	17/11/2013	18.06		Continued.	BTL	
Bhusawal Unit 2	210	17/11/2013	18.47	20/11/2013	06.50	I D FAN PROBLEM	
Nasik Unit 3	210	18/11/2013	20.30		Continued.	Super Heater Tube Leakage.	
Khaparkheda Unit 1	210	19/11/2013	12.18	19/11/2013	14.08	Furnace Pressure Very High.	
CPP Adani U1	660	19/11/2013	20.00		Continued.	Boiler Tube Leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Nov/2013

Position as on 6.30 Hrs of 20/Nov/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Kolhapur-Solapur (PG) II	17/11/2013	16.38	19/11/2013	13.10	HAND TRIPPED
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli (PGCIL)-Bhadravati-II	06/11/2013	17.46		Continued.	Over Voltage.
Kolhapur - Mapusa - I	18/11/2013	22.38	19/11/2013	09.28	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	19/11/2013	16.46		Continued.	Over Voltage.
Kolhapur - Mapusa - I	19/11/2013	17.10		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
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 300 MVA ICT-I @ Koradi	18/11/2013	10.03		Continued.	Replacement of R Ph.Unit upto 28.11.13.
400/220 KV 315 MVA ICT-II @ Kharghar	19/11/2013	08.05	19/11/2013	14.17	Commissioning of Online GE Make DGA System.
400/220KV 315MVA ICT-II @ New Koyana	19/11/2013	10.15	19/11/2013	17.29	Hot Spot Attending Work.Shifted on TBC.
Main Bus B @ Kolhapur	19/11/2013	15.29		Continued.	To Attend Hot Spot & Replacement of PG Isolator.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalisgaon line.
220/132 KV 200 MVA ICT - V @ Nasik (OCR) New	18/11/2013	10.37		Continued.	Conversion of Existing Control & Prot. System into S/S Automation.Upto 21.11.13
Usmanabad-Parli	19/11/2013	08.11	19/11/2013	09.48	Fixing of Vibration Dampers & Attending Shortfalls Observed in Monkey Patrolling. I/S Due to Loading Problem.
Dondaicha - Sahada	19/11/2013	09.56	19/11/2013	11.28	For Removing of Jumpers Between Line Isolator & CT's to Carry out Line Isolator Replacement Work.
Bus Coupler @ Khaparkheda	19/11/2013	10.20	19/11/2013	13.48	Measurment of Tan Delta of CT Measurment of CB Timing & CRM.
Vita - Miraj	19/11/2013	10.50	19/11/2013	11.57	Hot Spot Attending Work.
TBC @ Khaparkheda	19/11/2013	14.05	19/11/2013	16.02	Measurment of CB Timing & CRM Measurment of Tan Delta of CT.
Voltage Level : 500KV			Outage Type FORCED OUTAGE		
Chandrapur-Padaghe Pole - II	18/11/2013	21.29	19/11/2013	04.52	Oil Leakage of OLC Pump & Base of Turret of A Bushing of Pole-2 B Phase Converter T/F.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Khadka - Deepnagar - I	18/11/2013	3.20		Continued.	FOR ATTENDING R PHASE CB GAS PRESSURE LOW
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
Karad-Kolhapur-II	13/11/2013	15.47		Continued.	Over Voltage.
Deepnagar-Aurangabad-II	14/11/2013	21.48		Continued.	Over Voltage.
Bhusawal- Aurangabad	18/11/2013	18.15	19/11/2013	08.06	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Nov/2013

Position as on 6.30 Hrs of 20/Nov/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
New Koyna - Karad - I	18/11/2013	21.49	19/11/2013	09.29	Over Voltage.
Lonikand- Koyna Stage IV	18/11/2013	22.00	19/11/2013	08.46	Over Voltage.
Bus Coupler @ Kolhapur	19/11/2013	12.43		Continued.	Due to Sparking.
Kolhapur-Karad -I	19/11/2013	13.32	19/11/2013	13.52	For Shifting on Bus A @ Kolhapur.
Bhusawal- Aurangabad	19/11/2013	17.39		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Pusad-Nanded	13/11/2013	18.30		Continued.	To control L/L of Wardha-Y'mal.
Chikhali - Jalna - II	17/11/2013	18.00		Continued.	AFTER TAKEN IN/S,A'BAD ICT 3
Chikhali - Jalna - I	17/11/2013	18.00		Continued.	AFTER TAKEN IN/S,A'BAD ICT 3
Voltage Level : 400KV			Outage Type TRIPPED		
400/ 21.75 KV 600 MVA GT IV @ Deepnagar	12/11/2013	21.00		Continued.	GT4 Caught Fire.
Dabhol - Nagothane - I	14/11/2013	22.00		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.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 20/Nov/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	140
Unit 6	210	0
Unit 7	210	150
	620	290
Bhusawal		
Unit 2	210	0
Unit 3	210	150
Unit 4	500	0
Unit 5	500	0
	1420	150
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	160
Unit 6	250	165
Unit 7	250	165
	1130	640
Chandrapur		
Unit 1	210	130
Unit 2	210	140
Unit 3	210	190
Unit 4	210	210
Unit 5	500	0
Unit 6	500	425
Unit 7	500	350
	2340	1445
Paras		
Unit 3	250	140
Unit 4	250	200
	500	340
Khaparkheda		
Unit 1	210	150
Unit 2	210	140
Unit 3	210	140
Unit 4	210	160
Unit 5	500	350
	1340	940
Nasik		
Unit 3	210	0
Unit 4	210	190
Unit 5	210	190
	630	380
Uran		
All Units	852	475
	852	475
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	36
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	5
BHIRA T.R.	80	40
RNGR+BHTSA	20	6
BHANDARDRA	45	5
ELDARY	23	0
SMLHY PTN	12	5
GHATGHAR	250	0
	611	157
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	813
WARDHA	405	350
Adani	1980	1234
Other CPPs	300	245
	3885	2642
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	6087
	3455	6087