



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

State Load Dispatch Center, Airoli

Daily system Report

for

18/Nov/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 18/Nov/2013 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	100.416	1838.635	1) Gujrat	6.395	192.944
2) Hydro	21.563	247.895	2) Madhya Pradesh	17.028	317.463
3) Gas	10.983	168.904	3) Chattisgarh	10.350	199.740
Total MSGENCO	132.962	2255.434	4) Maharashtra	78.071	1384.021
B) 1) JSW JAIGAD	19.027	333.987	5) Goa	-5.425	-98.313
2) WPCL	7.463	101.589	6) TAPS 1&2 Injection	7.782	136.902
3) ADANI	33.990	637.880	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	10.600	166.527	8) Pench (Excess)	-0.631	-7.703
5) Wind Generation	6.133	81.518	# Total Cent. Sector	113.570	2125.054
6) PENCH (MS)	0.631	7.703	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-17.042	-340.887
1) TPCL Thermal	19.961	348.203	G) Bilateral Power *		
2) TPCL Hydro	5.160	67.510	1) MSEDCL Bilateral	33.709	553.990
TOTAL TPCL	25.121	415.713	Include PX	0.000	57.973
3) REL Thermal	11.605	191.785	2) MUMBAI Bilateral	17.533	322.971
D) STATE			Include PX	4.172	120.171
1) Thermal (A1+C1+C3)	131.982	2378.623	3) MUMBAI Schedule	17.533	328.199
2) Hydro (A2+B5+C2)	27.354	323.108	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.983	168.904	1) MSEDCL	307.334	5368.805
4) Wind (B4)	6.133	81.518	2) TPCL	35.352	618.061
5) CPP (B1+B2+B3)	71.080	636.093	3) REL	18.416	330.048
TOTAL STATE	247.532	3588.246	TOTAL STATE	361.102	6316.914

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4270	4167	4052
MSGENCO Hydro	2111	1740	129
MSGENCO Gas	449	443	474
MSGENCO Total Generation	6830	6350	4655
Central Sector Receipt	5245	4988	3964
WIND	166	56	497
CPP / IPP	3067	3099	2586
Exchange with Mumbai	-866	-855	-486
MSEDCL DEMAND MET	14495	13685	11216
Load Shedding	409	316	21
MSEDCL DEMAND	14904	14001	11237
TPCL GENERATION	1390	1329	653
R-INFRA GENERATION	526	525	381
TPCL+R-INFRA DEMAND	2782	2709	1520
STATE DEMAND MET	17277	16394	12736
STATE DEMAND	17686	16710	12757
Frequency (Hz)	49.83	49.97	50.19

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.45 Hz at 03.04 Hrs	49.59 Hz at 09.13 Hrs	50	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 18/Nov/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.18	36.64	145	110	135
Unit 6	0.00	48.74	0	0	0
Unit 7	3.73	62.20	180	140	150
Total	6.92	147.58			285
Bhusawal					
Unit 2	0.00	60.61	0	0	0
Unit 3	3.32	63.36	150	125	134
Unit 4	0.00	69.44	0	0	0
Unit 5	0.00	0.00	0	0	
Total	3.32	193.42			134
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.73	64.31	169	135	155
Unit 5	3.78	64.69	169	137	160
Unit 6	4.55	48.02	222	163	180
Unit 7	4.60	50.98	216	167	185
Total	16.66	228.01			680
Chandrapur					
Unit 1	2.99	34.99	135	108	150
Unit 2	2.92	54.46	135	102	140
Unit 3	4.15	62.90	194	152	190
Unit 4	4.82	62.01	204	190	210
Unit 5	0.00	0.00	0	0	0
Unit 6	9.71	143.50	435	342	400
Unit 7	8.43	147.80	386	324	400
Total	33.02	505.66			1490
Paras					
Unit 3	4.12	70.29	190	150	180
Unit 4	4.44	87.20	210	168	180
Total	8.56	157.49			360
Khaparkheda					
Unit 1	3.42	43.96	175	120	148
Unit 2	3.34	55.88	160	120	148
Unit 3	3.45	56.69	160	136	168
Unit 4	3.89	73.22	199	145	168
Unit 5	9.27	163.55	522	311	475
Total	23.37	393.30			1107
Nasik					
Unit 3	0.00	71.26	0	0	0
Unit 4	4.28	64.97	195	166	190
Unit 5	4.28	76.95	194	167	190
Total	8.56	213.17			380
Uran					
All Units	10.98	168.90	479	439	475
Total	10.98	168.90			475
PENCH (MS)					
Pench (MS)	0.63	7.70	53	0	
Total	0.63	7.70			
Koyna					
Stage 1-2	5.75	71.36	560	40	600
Stage 4	8.57	95.51	1040	0	250
Stage 3	3.02	36.36	318	0	320
Kovna 12&4 Total	14.32	166.87			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	17.34	203.23			1170
Hydro					
KDPH	0.92	3.72	39	38	18
VTRNA	0.00	0.17	0	0	0
TILLARI	0.53	3.52	59	0	60
BHTGR/VEER	0.12	0.77	5	5	5
BHIRA T.R.	0.16	3.88	40	0	40
RNGR+BHTSA	0.39	7.00	17	16	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.72	9.58	30	29	0
GHATGHAR	1.38	16.02	125	0	0
Total	4.22	44.66			138
Wind					
MalharPeth	0.41	4.83			
Vankuswadi	0.80	8.34			
ATIT	0.06	1.83			
Kale	0.22	2.90			
Satara	2.03	29.44			
Shirala	0.23	2.83			
K Mahankal	0.01	1.50			
Supa	0.10	1.26			
Vita	0.54	10.94			
Dondaicha	0.81	8.65			
Sakri	0.12	0.99			
Nandurbar	0.07	0.71			
Khandke	0.33	4.30			
Khaparale	0.41	2.98			
Total	6.13	81.52			
CPP					
JSW JAIGAD	19.03	333.99	892	657	813
WARDHA	7.46	101.59	342	271	300
Adani	33.99	637.88	1680	1280	1851
Other CPPs	10.60	161.75			265
Total	71.08	1235.20			3229
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.60	183.64	502	315	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.34	38.75	115	71	120
Trombay 7B	1.48	25.33	68	53	60
Trombay 8	5.54	100.49	252	185	250
TATA Hydro	5.16	67.51	459	0	447
Total	25.12	415.71			1377
REL					
1&2	11.60	191.78	526	381	500
Total	11.60	191.78			500
Cent Sect					
Share					5275
Total					5275

MS PG CL	Thermal	100.42	1838.64			4436
	Thml+Gas	111.40	2007.54			4911
	Hydro	21.56	247.90			1308
	Total	132.96	2255.43			6219
State Total		247.53	3588.25			16600

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 18/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	4047	128	474	4649	576	2576	4132	4109	-614	-708	11202	62	11264	1743	13007	50.10
2	4031	134	474	4639	558	2577	4034	4051	-516	-553	11272	21	11293	1586	12879	50.15
3	4052	129	474	4655	497	2586	3975	3964	-457	-486	11216	21	11237	1520	12757	50.19
4	4053	139	476	4668	493	2569	3930	4046	-412	-439	11337	21	11358	1470	12828	50.23
5	4119	134	476	4729	510	2616	3841	4266	-370	-424	11697	22	11719	1466	13185	50.01
6	4338	139	476	4953	459	3063	3964	4168	-440	-264	12379	113	12492	1567	14059	49.97
7	4470	409	479	5358	385	2907	4056	4612	-535	-263	13010	325	13335	1687	15022	49.86
8	4483	733	478	5694	335	2845	4122	4412	-595	-372	12937	632	13569	1851	15420	49.98
9	4475	1266	463	6204	207	2910	4234	4216	-511	-394	13193	674	13867	2163	16030	49.90
10	4566	1878	446	6890	205	2895	4723	4796	-783	-714	14094	437	14531	2471	17002	49.90
11	4392	1967	454	6813	196	2987	5010	5395	-961	-865	14579	335	14914	2708	17622	49.94
12	4270	2111	449	6830	166	3067	5108	5245	-1026	-866	14495	409	14904	2782	17686	49.83
13	4189	2066	449	6704	171	3056	4955	5204	-1002	-896	14292	521	14813	2775	17588	49.95
14	4142	1917	443	6502	154	3135	4735	5222	-923	-895	14165	452	14617	2701	17318	50.02
15	4050	2055	441	6546	122	3184	5025	5228	-926	-877	14250	382	14632	2717	17349	49.96
16	4126	2108	439	6673	74	3167	5076	5356	-931	-884	14433	320	14753	2711	17464	49.90
17	4167	1740	443	6350	56	3099	4826	4988	-924	-855	13685	316	14001	2709	16710	49.97
18	4097	952	441	5490	90	3205	4345	4561	-856	-912	12481	483	12964	2682	15646	49.94
19	4050	534	439	5023	106	3303	4682	5333	-961	-873	12945	320	13265	2721	15986	50.06
20	4029	299	440	4768	155	3200	4722	4756	-844	-883	12046	401	12447	2653	15100	50.01
21	4149	172	443	4764	185	3225	4426	4815	-766	-872	12141	264	12405	2485	14890	50.10
22	4091	131	449	4671	136	3192	4381	4412	-786	-846	11569	131	11700	2328	14028	50.14
23	4038	186	467	4691	133	2900	4322	5151	-737	-972	11903	87	11990	2208	14198	49.93
24	3992	236	470	4698	164	2816	4249	5268	-661	-929	12017	78	12095	2064	14159	50.00
MUs	100.42	21.56	10.98	132.96	6.13	71.08	106.87	113.57	-17.53	-17.04	307.34	6.83	314.16	53.77	367.93	50.00

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 18/Nov/2013

Position as on 6.30 Hrs of 19/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		Continued.	I D FAN PROBLEM	
Nasik Unit 3	210	18/11/2013	20.30		Continued.	Super Heater Tube Leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 18/Nov/2013

Position as on 6.30 Hrs of 19/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 - Mapusa - I	17/11/2013	16.14	18/11/2013	09.36	HAND TRIPPED
Kolhapur-Solapur (PG) II	17/11/2013	16.38		Continued.	HAND TRIPPED
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Parli (PGCIL)-Bhadravati-II	06/11/2013	17.46		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	17/11/2013	23.19	18/11/2013	07.53	OVER VOLTAGE
Kolhapur-Mapusa-II	18/11/2013	16.32	18/11/2013	22.36	Over Voltage.
Kolhapur - Mapusa - I	18/11/2013	22.38		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol - NewKoyna - II	14/11/2013	01.52	18/11/2013	10.54	Over Voltage.
Karad - Solapur (PGCIL)	15/11/2013	21.42	18/11/2013	08.53	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.
400/220KV 315MVA ICT- I @ Chandrapur	18/11/2013	09.56	18/11/2013	17.24	CTR Work.
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,500MVA ICT- II at Deepnagar.	18/11/2013	10.05	18/11/2013	18.21	Testing Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalisgaon line.
Dhule - Dondaicha	18/11/2013	08.50	18/11/2013	10.55	To Connect Line Isolator to CT Jumper.
Chikhali - Jalna - I	18/11/2013	08.55	18/11/2013	18.25	Line Rectification Work.
Chikhali - Jalna - II	18/11/2013	08.55	18/11/2013	18.25	Line Rectification Work.
220/132 KV,200 MVA ICT- I at Kurkumbh	18/11/2013	10.00	18/11/2013	17.50	Testing Work.
New Paras TPS - Akola - I	18/11/2013	10.08	18/11/2013	17.09	Measurment of Tan Delta of CT 1)Auto Reclosure Wiring,Configutation,Trials @ Both End.2) Bus Isolator Alignment Work.3) Replacement of Wave Trap Jumper of Y Phase.
Main Bus @ Halkarni	18/11/2013	10.30	18/11/2013	17.02	Q.M.Work.
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
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.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 18/Nov/2013

Position as on 6.30 Hrs of 19/Nov/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Deepnagar-Aurangabad-II	14/11/2013	21.48		Continued.	Over Voltage.
Karad-Jaigad I	17/11/2013	17.11	18/11/2013	09.03	OVER VOLTAGE
Bhusawal- Aurangabad	17/11/2013	17.35	18/11/2013	06:25	OVER VOLTAGE
Lonikand-Stage4	17/11/2013	20.51	18/11/2013	08.12	OVER VOLTAGE
Bhusawal- Aurangabad	18/11/2013	18.15		Continued.	Over Voltage.
New Koyna - Karad - I	18/11/2013	21.49		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	18/11/2013	22.00		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		
Dabhol-Nagothane - II	06/11/2013	21.30	18/11/2013	10.54	Over Voltage.
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.
Karad - Kolhapur - I	18/11/2013	21.53	18/11/2013	22.10	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 19/Nov/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	120
Unit 6	210	0
Unit 7	210	120
	620	240
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	155
Unit 5	210	140
Unit 6	250	170
Unit 7	250	165
	1130	630
Chandrapur		
Unit 1	210	111
Unit 2	210	97
Unit 3	210	134
Unit 4	210	161
Unit 5	500	0
Unit 6	500	368
Unit 7	500	303
	2340	1174
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	150
Unit 4	210	150
Unit 5	500	350
	1340	950
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	5
BHANDARDRA	45	5
ELDARY	23	
SMLHY PTN	12	6
GHATGHAR	250	
	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	340
Adani	1980	1851
Other CPPs	300	245
	3885	3249
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	5331
	3455	5331