



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Oct/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/Oct/2013 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	106.188	1967.512	1) Gujrat	15.742	220.675
2) Hydro	8.336	233.868	2) Madhya Pradesh	18.764	353.399
3) Gas	10.071	209.150	3) Chattisgarh	9.270	177.380
Total MSGENCO	124.595	2410.530	4) Maharashtra	69.054	1282.229
B) 1) JSW JAIGAD	22.773	447.707	5) Goa	-5.599	-111.275
2) WPCL	5.235	144.660	6) TAPS 1&2 Injection	7.718	125.428
3) ADANI	37.620	669.740	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	10.406	197.568	8) Pench (Excess)	-0.726	-17.622
5) Wind Generation	1.201	136.072	# Total Cent. Sector	114.223	2030.214
6) PENCH (MS)	0.726	17.622	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-17.368	-440.907
1) TPCL Thermal	21.965	398.228	G) Bilateral Power *		
2) TPCL Hydro	1.096	72.225	1) MSEDCL Bilateral	21.993	455.091
TOTAL TPCL	23.061	470.453	Include PX	0.000	-13.407
3) REL Thermal	12.484	235.357	2) MUMBAI Bilateral	15.976	379.245
D) STATE			Include PX	4.794	96.969
1) Thermal (A1+C1+C3)	140.637	2601.097	3) MUMBAI Schedule	15.976	379.405
2) Hydro (A2+B5+C2)	10.158	323.715	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.071	209.150	1) MSEDCL	299.411	5613.206
4) Wind (B4)	1.201	136.072	2) TPCL	33.366	740.465
5) CPP (B1+B2+B3)	76.034	827.555	3) REL	19.545	406.224
TOTAL STATE	238.101	4097.589	TOTAL STATE	352.322	6759.895

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4394	4582	4285
MSGENCO Hydro	805	312	85
MSGENCO Gas	438	348	461
MSGENCO Total Generation	5637	5242	4831
Central Sector Receipt	5086	5064	4340
WIND	24	64	53
CPP / IPP	3413	2967	3105
Exchange with Mumbai	-880	-815	-564
MSEDCL DEMAND MET	13333	12533	11788
Load Shedding	212	271	85
MSEDCL DEMAND	13545	12804	11873
TPCL GENERATION	929	1144	910
R-INFRA GENERATION	519	520	521
TPCL+R-INFRA DEMAND	2328	2479	1995
STATE DEMAND MET	15661	15012	13783
STATE DEMAND	15873	15283	13868
Frequency (Hz)	50.00	50.09	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.58 Hz at 17.01 Hrs	49.68 Hz at 18.16 Hrs	50.04	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 20/Oct/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	8.43	0	0	0
Unit 6	2.89	57.34	160	81	120
Unit 7	3.20	46.41	155	115	125
Total	6.08	112.18			245
Bhusawal					
Unit 2	0.00	30.03	0	0	
Unit 3	3.28	50.85	150	125	140
Unit 4	4.89	98.27	240	180	215
Unit 5	0.00	91.34	0	0	
Total	8.18	270.49			355
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.27	65.56	146	123	145
Unit 5	3.37	69.52	155	126	145
Unit 6	4.28	84.01	190	165	170
Unit 7	4.19	80.25	189	158	180
Total	15.11	299.34			640
Chandrapur					
Unit 1	3.06	58.13	136	119	140
Unit 2	0.97	47.54	130	0	0
Unit 3	4.00	51.32	190	129	180
Unit 4	4.54	62.63	201	157	200
Unit 5	0.00	0.00	0	0	0
Unit 6	9.38	155.54	425	360	400
Unit 7	8.03	144.67	370	274	400
Total	29.99	519.81			1320
Paras					
Unit 3	4.46	77.25	212	157	190
Unit 4	4.36	83.08	207	140	190
Total	8.82	160.32			380
Khaparkheda					
Unit 1	3.62	71.80	165	125	180
Unit 2	2.88	65.81	155	80	180
Unit 3	4.08	29.53	190	145	190
Unit 4	4.58	84.24	206	167	190
Unit 5	10.43	117.76	471	380	450
Total	25.59	369.15			1190
Nasik					
Unit 3	4.16	82.64	195	160	190
Unit 4	4.11	80.99	192	151	190
Unit 5	4.16	72.59	194	162	190
Total	12.42	236.22			570
Uran					
All Units	10.07	209.15	467	321	450
Total	10.07	209.15			450
PENCH (MS)					
Pench (MS)	0.73	17.62	53	11	
Total	0.73	17.62			
Koyna					
Stage 1-2	1.81	46.80	350	40	600
Stage 4	3.11	85.46	506	0	250
Stage 3	0.82	30.52	160	0	320
Kovna 12&4 Total	4.92	132.26			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	5.74	162.78			1170
Hydro					
KDPH	0.00	5.12	0	0	
VTRNA	0.00	6.93	0	0	0
TILLARI	0.24	5.98	59	0	58
BHTGR/VEER	0.00	0.22	0	0	0
BHIRA T.R.	0.32	5.43	41	0	40
RNGR+BHTSA	0.29	7.76	12	12	13
BHANDARDRA	0.00	4.46	0	0	0
ELDARY	0.24	6.74	16	7	15
SMLHY PTN	0.33	11.58	14	13	
GHATGHAR	1.17	15.01	125	0	
Total	2.59	69.25			126
Wind					
MalharPeth	0.07	6.38			
Vankuswadi	0.10	10.62			
ATIT	0.01	1.46			
Kale	0.04	4.13			
Satara	0.50	41.74			
Shirala	0.03	4.41			
K Mahankal	0.00	1.20			
Supa	0.04	1.49			
Vita	0.16	21.36			
Dondaicha	0.10	28.32			
Sakri	0.03	4.24			
Nandurbar	0.00	2.76			
Khandke	0.08	3.16			
Khaparale	0.03	4.80			
Total	1.20	136.07			
CPP					
JSW JAIGAD	22.77	447.71	960	908	1096
WARDHA	5.24	144.66	223	211	220
Adani	37.62	669.74	1790	1040	1851
Other CPPs	10.41	197.57			245
Total	76.03	1459.68			3412
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.86	206.41	501	435	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.56	52.04	122	99	120
Trombay 7B	1.54	30.99	70	60	60
Trombay 8	6.00	108.79	252	246	250
TATA Hydro	1.10	72.22	250	0	447
Total	23.06	470.45			1377
REL					
1&2	12.48	235.36	522	519	500
Total	12.48	235.36			500
Cent Sect					
Share					4705
Total					4705

MS PG CL	Thermal	106.19	1967.51			4700
	Thml+Gas	116.26	2176.66			5150
	Hydro	8.34	233.87			1296
	Total	124.60	2410.53			6446
State Total		238.10	4097.59			16440

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/Oct/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	4243	89	459	4791	27	3237	4345	4645	-662	-868	11855	96	11951	2330	14281	50.01
2	4262	84	459	4805	29	3208	4086	4398	-560	-694	11770	85	11855	2126	13981	49.93
3	4285	85	461	4831	53	3105	3825	4340	-486	-564	11788	85	11873	1995	13868	50.02
4	4321	80	462	4863	32	3323	3785	4154	-458	-474	11922	85	12007	1906	13913	50.04
5	4410	80	461	4951	27	3201	3832	4201	-458	-428	11975	85	12060	1856	13916	50.08
6	4424	90	464	4978	34	3287	4139	4600	-538	-458	12464	132	12596	1889	14485	50.04
7	4454	86	465	5005	44	3278	4283	4682	-599	-454	12608	298	12906	1883	14789	49.99
8	4448	93	467	5008	61	3347	4247	4657	-563	-476	12650	459	13109	1912	15021	49.99
9	4445	224	457	5126	32	3313	4242	4657	-555	-531	12650	271	12921	1993	14914	50.05
10	4421	594	454	5469	24	3365	4507	4737	-704	-661	12956	154	13110	2132	15242	50.03
11	4352	817	445	5614	20	3334	4654	5057	-832	-813	13237	148	13385	2268	15653	50.06
12	4394	805	438	5637	24	3413	4705	5086	-883	-880	13333	212	13545	2328	15873	50.00
13	4334	724	436	5494	42	3443	4705	5050	-883	-905	13147	287	13434	2332	15766	50.05
14	4313	515	435	5263	57	3354	4622	5054	-800	-836	12917	242	13159	2287	15446	50.04
15	4368	524	444	5336	64	3321	4565	5155	-743	-844	13056	197	13253	2297	15550	50.08
16	4400	620	419	5439	39	3274	4540	5170	-718	-830	13135	233	13368	2279	15647	50.12
17	4519	386	321	5226	63	3254	4414	4732	-639	-811	12512	225	12737	2255	14992	50.16
18	4487	90	321	4898	56	3019	4223	4491	-537	-844	11660	158	11818	2231	14049	50.12
19	4564	266	322	5152	53	3020	4419	5221	-617	-718	12761	136	12897	2377	15274	49.95
20	4582	312	348	5242	64	2967	4537	5064	-715	-815	12533	271	12804	2479	15283	50.09
21	4631	181	380	5192	82	2849	4532	4976	-711	-797	12313	200	12513	2476	14989	50.09
22	4632	159	326	5117	119	2856	4403	4664	-709	-815	11958	138	12096	2453	14549	50.01
23	4500	584	369	5453	86	2702	4292	4846	-782	-920	12194	85	12279	2454	14733	49.97
24	4399	848	458	5705	69	2564	4208	4586	-823	-932	12017	75	12092	2375	14467	50.01
MUs	106.19	8.34	10.07	124.60	1.20	76.03	104.11	114.22	-15.98	-17.37	299.41	4.36	303.77	52.91	356.68	50.04

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 20/Oct/2013

Position as on 6.30 Hrs of 21/Oct/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	
CPP WPCL U-2	135	16/10/2013	05.15		Continued.	Maint.Work.	
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 WPCL U-3	135	16/09/2013	21.19		Continued.	ESP Bag filter repl.	
CPP VIPL	300	02/10/2013	00.45		Continued.	Turbine bearing vibration high.	02/11/2013
Uran Unit 5	108	05/10/2013	07.26		Continued.	Gas Shortage	
Bhusawal Unit 2	210	13/10/2013	20.14		Continued.	I D fan problem	
Koradi Unit 5	200	16/10/2013	10.47		Continued.	Bearing Tempe. High.	
Chandrapur Unit 2	210	16/10/2013	21.31	20/10/2013	13.45	Boiler Tube Leakage	
Bhusawal Unit 5	500	18/10/2013	15.16		Continued.	ESP Problem.	
Uran Unit B0	120	20/10/2013	15.41	20/10/2013	19.21	Control Fluid Pump Tripped.	
CPP JSW (J) U2	300	21/10/2013	00.00		Continued.	Lack of Shedule.	
Parli Unit 5	210	21/10/2013	00.36		Continued.	Boiler Validity Exten.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Oct/2013

Position as on 6.30 Hrs of 21/Oct/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kolhapur - Mapusa - I	20/10/2013	17.05		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	19/10/2013	21.56	20/10/2013	08.04	Over Voltage.
Voltage Level : 500KV			Outage Type TRIPPED		
765KV Wardha-Senoi-II (PGCIL)	20/08/2013	20:30		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur-Solapur(PGCIL)-I	18/09/2013	17.01		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	20/09/2013	17.08		Continued.	Due to Heavy Rains,7 No's of Towers are Damaged.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Dabhol - New Koyna - I	26/09/2013	18.50		Continued.	Chattering Noise at Loc.No.47
50 MVAR Reactor on 400 KV Bhusawal - II	30/09/2013	12.55		Continued.	Complete Overhauling and testing work.(For 17 days.)
TBC at Khadka	07/10/2013	17.38		Continued.	TBC BKR,B-pole stuck up existing BHEL BKR,to be repl by CGL make due to foundation mismatch.
400/220 KV 315 MVA ICT-II @ Lonikand	14/10/2013	13.50		Continued.	Repl.of CB Under Jica and ICT is on TBC.
400/220 KV 315 MVA ICT-II @ Dhule	19/10/2013	09.40		Continued.	Annual Maintenance & Testing Work.
Deepnagar-Aurangabad-I	20/10/2013	08.12	20/10/2013	18.14	For Erecton of Inline Tower for New 400KV Tapttanda S/S.
Deepnagar-Aurangabad-II	20/10/2013	08.12	20/10/2013	22.27	For Erecton of Inline Tower for New 400KV Tapttanda S/S.
Padgha - Kharghar	20/10/2013	08.19	20/10/2013	17.26	To Attend Chattering.
Auxilary Bus At Aurangabad.	20/10/2013	12.08	20/10/2013	18.20	For Allgnment & Trials of PG Ckt-I Aux.Bus Isolator.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chalisgaon-Khadka II	07/10/2013	11.37		Continued.	Modification of existing Khadka-Chalisgaon line.
Wardha-Deoli	18/10/2013	11.10		Continued.	Outage,Ready for Charging from 20.00 hrs on dt 18.10.13.
Kandalgaon - ONGC	20/10/2013	08.11		Continued.	Replqacement of CB & CT Under Jaica.
Borivali-Kalwa	20/10/2013	08.50	21/10/2013	01.16	Replacement of Existing 0.5 ACSR Cond. Main Bus With High Ampacity Culew Condu ctor.
220/100 KV ICT- III @ Borivali	20/10/2013	09.03	21/10/2013	01.15	Replacement of Existing 0.5 ACSR Cond. Main Bus With High Ampacity Culew Condu ctor.
Borivali - Tata - V	20/10/2013	09.25	21/10/2013	01.18	Replacement of Existing 0.5 ACSR Cond. Main Bus With High Ampacity Culew Condu ctor.
Borivali(M)-Borivali(Rel)2	20/10/2013	09.26		Continued.	Replacement of Existing 0.5 ACSR Cond. Main Bus With High Ampacity Culew Condu ctor.
Borivali-Ghodbandar	20/10/2013	09.26	21/10/2013	01.14	Replacement of Existing 0.5 ACSR Cond. Main Bus With High Ampacity Culew Condu ctor.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Oct/2013

Position as on 6.30 Hrs of 21/Oct/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Main Bus Section - II @ Borivali	20/10/2013	10.44	21/10/2013	00.58	Replacement of Existing 0.5 ACSR Cond. Main Bus With High Ampacity Culew Conductor.
New Parli-Nanded	20/10/2013	14.02	20/10/2013	16.53	To Attend Hot Spot on Line Side Stud.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Kalwa - Salshet - IV	20/10/2013	01.05	20/10/2013	06.42	To Attend Hot Spot @ Loc.No.-17 & 18.
Kalwa - Salshet - III	21/10/2013	01.01	21/10/2013	06.50	Attending Hot Spot @ Loc. No.17 @ 18.
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
Dabhol-Nagothane - II	28/09/2013	21.34		Continued.	Over Voltage.
Karad - Newkoyna - I	04/10/2013	17.02		Continued.	Over Voltage.
Chandrapur - Parli - II	12/10/2013	17.43		Continued.	Over Voltage.
Bhusawal- Aurangabad	19/10/2013	16.36	20/10/2013	07.23	Over Voltage.
Bhusawal- Aurangabad	20/10/2013	22.03		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.	18/10/2013	12.12		Continued.	Distance Protection Operated,B/Up Op, Ar Lockout. Trial Taken.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Oct/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	90
Unit 7	210	115
	620	205
Bhusawal		
Unit 2	210	0
Unit 3	210	140
Unit 4	500	215
Unit 5	500	
	1420	355
Parli		
Unit 3	210	0
Unit 4	210	130
Unit 5	210	0
Unit 6	250	170
Unit 7	250	175
	1130	475
Chandrapur		
Unit 1	210	130
Unit 2	210	140
Unit 3	210	190
Unit 4	210	200
Unit 5	500	0
Unit 6	500	400
Unit 7	500	350
	2340	1410
Paras		
Unit 3	250	170
Unit 4	250	200
	500	370
Khaparkheda		
Unit 1	210	180
Unit 2	210	160
Unit 3	210	190
Unit 4	210	190
Unit 5	500	450
	1340	1170
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	450
	852	450
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	59
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	3
GHATGHAR	250	0
	611	118
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	820
WARDHA	405	220
Adani	1320	1851
Other CPPs	300	235
	3225	3126
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	5086
	3455	5086

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