



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Oct/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/Oct/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	107.242	2180.733	1) Gujrat	6.573	136.302
2) Hydro	6.474	250.957	2) Madhya Pradesh	21.434	425.947
3) Gas	10.361	206.615	3) Chattisgarh	11.030	203.060
Total MSGENCO	124.077	2638.305	4) Maharashtra Net	118.999	2383.431
B) 1) JSW JAIGAD	28.139	538.359	(Incl. 765kV Solapur-Raichur)	-9.065	-134.791
2) WPCL	5.127	111.636	5) Goa	-7.454	-151.800
3) ADANI	54.660	849.920	6) TAPS 1&2 Injection	3.636	109.819
4) Other CPP / IPP	17.908	314.866	7) RGPPL Injection	0.000	0.000
5) Wind Generation	9.712	83.504	8) Pench (Excess)	-1.045	-19.412
6) PENCH (MS)	1.045	19.412	# Total Cent. Sector	153.173	3087.347
7) SOLAR	1.095	20.420	F) Other Exchanges		
C) 1) TPCL Thermal	18.890	396.134	1) With TPCL (Excess)	-29.423	-514.497
2) TPCL Hydro	4.509	70.718	G) Bilateral Power *		
TOTAL TPCL	23.399	466.852	1) MSEDCL Bilateral	63.488	1156.155
3) REL Thermal	11.302	237.159	Include PX	28.409	520.158
D) STATE			2) MUMBAI Bilateral	27.625	482.981
1) Thermal (A1+C1+C3)	137.434	2814.026	Include PX	4.098	99.191
2) Hydro (A2+B6+C2)	12.028	341.087	3) MUMBAI Schedule	28.295	491.924
3) Gas (A3)	10.361	206.615	H) ENERGY CATERED (MUs)		
4) Wind (B5)	9.712	83.504	1) MSEDCL	365.513	7149.272
5) CPP/IPP (B1+B2+B3+B4)	105.834	1814.781	2) TPCL	39.892	762.085
6) SOLAR (B7)	1.095	20.420	3) REL	24.233	456.445
TOTAL STATE	276.464	5280.433	TOTAL STATE	429.638	8367.802

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4905	4954	4388
MSGENCO Hydro	723	370	62
MSGENCO Gas	422	424	443
MSGENCO Total Generation	6050	5748	4893
Central Sector Receipt	6963	7160	5690
WIND	558	573	211
CPP / IPP	4527	4469	4420
SOLAR	159	126	0
Exchange with Mumbai	-1487	-1488	-986
MSEDCL DEMAND MET	16817	16591	14272
Load Shedding	210	253	71
MSEDCL DEMAND	17027	16844	14343
TPCL GENERATION	1209	1207	805
R-INFRA GENERATION	519	518	284
TPCL+R-INFRA DEMAND	3215	3213	2075
STATE DEMAND MET	20032	19804	16347
STATE DEMAND	20242	20057	16418
Frequency (Hz)	50.02	49.93	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 24.00 Hrs	49.69 Hz at 06.14 Hrs	49.98	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 20/Oct/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	3.64	56.03	158	144	140
Unit 7	3.38	62.93	160	125	145
Total	7.02	118.96			285
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.24	49.70	145	125	130
Unit 4	7.22	96.25	425	260	280
Unit 5	5.84	159.70	310	0	310
Total	16.28	305.65			720
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	37.63	0	0	0
Unit 5	0.00	21.60	0	0	0
Unit 6	4.39	91.07	228	172	175
Unit 7	4.40	89.79	215	172	175
Total	8.79	240.10			350
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.57	65.57	153	144	140
Unit 3	3.66	75.04	165	144	150
Unit 4	4.09	88.49	195	158	160
Unit 5	7.42	161.85	365	273	300
Unit 6	7.47	152.86	415	274	300
Unit 7	7.62	154.04	395	260	325
Total	33.84	697.85			1375
Paras					
Unit 3	4.21	87.02	194	164	163
Unit 4	4.36	85.97	212	169	163
Total	8.57	172.99			326
Khaparkheda					
Unit 1	3.93	72.96	175	150	170
Unit 2	3.78	52.48	166	150	170
Unit 3	0.00	71.67	0	0	0
Unit 4	4.25	71.16	207	167	210
Unit 5	8.72	177.63	500	300	450
Total	20.68	445.90			1000
Nasik					
Unit 3	4.00	83.43	185	155	190
Unit 4	4.02	53.55	191	161	190
Unit 5	4.03	62.30	187	160	190
Total	12.05	199.28			570
Uran					
All Units	10.36	206.62	447	394	450
Total	10.36	206.62			450
PENCH (MS)					
Pench (MS)	1.04	19.41	50	3	
Total	1.04	19.41			
Koyna					
Stage 1-2	2.00	77.08	370	40	530
Stage 4	0.76	98.88	397	0	250
Stage 3	0.46	37.78	200	0	240
Kovna 12&4 Total	2.76	175.96			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.22	213.74			1020
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.98	10.30	61	0	64
TILLARI	0.37	1.70	63	0	61
BHTGR/VEER	0.04	0.05	2	1	0
BHIRA T.R.	0.09	5.42	40	0	40
RNGR+BHTSA	0.39	3.27	17	16	10
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	2.18	0	0	0
SMLHY PTN	0.09	2.16	12	0	18
GHATGHAR	1.29	12.14	250	0	0
Total	3.26	37.22			193
Wind					
MalharPeth	0.29	2.20			
Vankuswadi	0.47	4.00			
ATIT	0.07	0.48			
Kale	0.24	1.60			
Satara	6.14	45.73			
Shirala	0.45	2.55			
K Mahankal	0.04	0.25			
Supa	0.06	1.59			
Vita	1.45	8.88			
Dondaicha	0.11	6.49			
Sakri	0.03	1.50			
Nandurbar	0.11	2.76			
Khandke	0.20	3.67			
Khaparale	0.06	1.80			
Total	9.71	83.50			
CPP					
JSW JAIGAD	28.14	538.36	1217	1048	1050
WARDHA	5.13	111.64	228	186	225
Adani	54.66	849.92	2340	2170	2420
Other CPPs	17.91	314.87			776
Total	105.83	1814.78			4471
SOLAR					
Total	1.10	20.42			
Total	1.10	20.42			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.73	234.07	498	320	500
Trombay 6	3.72	74.55	156	154	500
Trombay 7A	2.83	55.53	125	114	120
Trombay 7B	1.60	31.98	69	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.51	70.72	397	0	447
Total	23.40	466.85			1627
REL					
1&2	11.30	237.16	519	228	500
Total	11.30	237.16			500
Cent Sect					
Share					7101
Total					7101
MS PG CL	Thermal	107.24	2180.73		4626
	Thml+Gas	117.60	2387.35		5076
	Hydro	6.47	250.96		1213
	Total	124.08	2638.30		6289
State Total		276.46	5280.43		19988

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/Oct/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	4358	62	436	4856	453	4139	0	6133	6565	-1033	-1091	14967	88	15055	2158	17213	50.00
2	4382	57	441	4880	197	4256	0	5921	6344	-978	-1190	14533	64	14597	2108	16705	49.95
3	4388	62	443	4893	211	4420	0	5895	5690	-973	-986	14272	71	14343	2075	16418	50.00
4	4375	67	443	4885	318	4193	0	6164	5767	-879	-784	14428	71	14499	1977	16476	49.97
5	4332	68	444	4844	348	4052	0	6245	6397	-829	-817	14873	71	14944	1938	16882	49.98
6	4351	58	445	4854	408	4081	0	6619	7183	-763	-837	15733	84	15817	1975	17792	49.92
7	4391	58	446	4895	460	4131	4	6513	6740	-763	-870	15407	97	15504	2022	17526	49.91
8	4399	78	447	4924	393	4237	26	6134	6260	-770	-1000	14887	105	14992	2146	17138	49.98
9	4465	120	440	5025	478	4479	83	5548	5501	-927	-1106	14507	97	14604	2456	17060	49.98
10	4415	205	432	5052	507	4501	106	6216	6169	-1091	-1113	15269	89	15358	2821	18179	49.92
11	4386	291	423	5100	544	4548	141	6901	6851	-1418	-1379	15852	84	15936	3095	19031	49.94
12	4266	1147	423	5836	531	4500	175	7022	6973	-1532	-1450	16609	112	16721	3201	19922	50.03
13	4905	723	422	6050	558	4527	159	7048	6963	-1535	-1487	16817	210	17027	3215	20242	50.02
14	4931	400	421	5752	595	4526	154	7013	6868	-1457	-1456	16486	314	16800	3156	19956	50.03
15	4954	370	424	5748	573	4469	126	7092	7160	-1498	-1488	16591	253	16844	3213	20057	49.93
16	4489	700	425	5614	490	4477	72	6680	6779	-1539	-1495	15954	221	16175	3219	19394	49.98
17	4428	400	429	5257	410	4551	44	6442	6227	-1510	-1509	15030	244	15274	3197	18471	49.95
18	4397	125	434	4956	366	4489	5	6294	6127	-1428	-1413	14577	180	14757	3094	17851	49.94
19	4395	255	435	5085	370	4475	0	6423	6427	-1392	-1399	15005	83	15088	3094	18182	49.97
20	4514	605	436	5555	379	4494	0	6182	6195	-1281	-1351	15319	77	15396	3052	18448	50.01
21	4434	256	436	5126	338	4530	0	6677	6257	-1241	-1353	14944	65	15009	2891	17900	50.00
22	4444	127	426	4997	311	4574	0	6112	5943	-1205	-1270	14601	63	14664	2770	17434	50.06
23	4439	120	416	4975	242	4585	0	6105	5818	-1181	-1297	14369	63	14432	2653	17085	49.97
24	4404	120	394	4918	232	4600	0	6105	5973	-1074	-1282	14487	63	14550	2598	17148	50.11
MUs	107.24	6.47	10.36	124.08	9.71	105.83	1.10	153.48	153.18	-28.29	-29.42	365.52	2.87	368.39	64.12	432.51	49.98

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/2014

Position as on 6.30 Hrs of 21/Oct/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	
CPP IPL U-2	270	01/10/2014	08.10		Continued.	Coal Shortage	
Parli Unit 5	210	07/10/2014	00:26		Continued.	Coal Shortage.	
Parli Unit 4	210	13/10/2014	10.49		Continued.	Coal Shortage.	
CPP WPCL U-3	135	15/10/2014	00.01		Continued.	ID Fan Vibration Problem.	
CPP Adani U-4	660	16/10/2014	14.47		Continued.	Boiler Tube Leakage	
Khaparkheda Unit 3	210	18/10/2014	14.05		Continued.	BTL	
REL 2	250	20/10/2014	00.20	20/10/2014	02.42	C&I card failure	
Bhusawal Unit 5	500	20/10/2014	11.00	20/10/2014	14.42	Flame Failure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Oct/2014

Position as on 6.30 Hrs of 21/Oct/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Kolhapur-Solapur(PGCIL)-I	19/10/2014	14.40	20/10/2014	06.07	Hot spot on Y ph
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	19/10/2014	17.13	20/10/2014	09.01	over voltage
Kolhapur - Mapusa - II	20/10/2014	15.54		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	21/10/2014	00.16		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane-II	19/10/2014	15.40	20/10/2014	09.52	distance protection
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.
Deepnagar-Tapitatanda	19/10/2014	14.41	20/10/2014	00.42	Stringing work
New Koyna - StageIV - I	20/10/2014	08.26	20/10/2014	18.50	Q.M.Work,Retrofitting work of dist.relay.
400/220 KV 315 MVA ICT-II @ Nagothane.	20/10/2014	11.58	20/10/2014	13.38	Shifted to TBC.
400/220KV 315MVA ICT-II @ Kharghar	21/10/2014	05.38		Continued.	Hot Spot.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Mumewadi-Mudshingi	20/10/2014	08.06	20/10/2014	16.53	Charging of LILO line for evacuation of power from Biogases based power plant.
Apta-Uran-II	20/10/2014	08.57	20/10/2014	14.41	C.T.Repl work.
220/132KV 200MVA ICT-II at Mudshingi	20/10/2014	10.20	20/10/2014	13.02	Tan delta measurement work.
Purti - Bhugaon	20/10/2014	10.47	20/10/2014	13.53	Hot Spot.
Bus Coupler at Talandage	20/10/2014	11.27	20/10/2014	13.22	Tan delta testing work.
Nivali-Pawas	20/10/2014	12.16	20/10/2014	14.30	To attend hot spot.
Mudshingi - Talandage - I	20/10/2014	14.13	20/10/2014	16.43	Charging of LILO line for evacuation of power from Biogases based power plant.
Harangul - ICL	20/10/2014	18.43		Continued.	Hot Spot.
Trombay-Kharghar	21/10/2014	06.08		Continued.	Hot Spot.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Kalwa - Kalyan	20/10/2014	07.00	20/10/2014	09.30	R.M.Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	18/10/2014	19.50	20/10/2014	11.03	over voltage
Bhusawal- Aurangabad	20/10/2014	21.22		Continued.	Over Voltage.
Karad - Kolhapur - II	20/10/2014	21.29		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Aurangabad - Taptithanda	18/10/2014	12.34	20/10/2014	00.28	Conductor Broken between L. no 117 & 118.
400/220 KV 500 MVA ICT - II at Khaparkheda	19/10/2014	19.57	21/10/2014	03.42	B ph LV CT Bursted,Charged from HV side.
New Koyna - Dabhol - II	20/10/2014	13.46	20/10/2014	18.40	Direct carrier received.
400/220 KV 315 MVA ICT-	20/10/2014	19.30	20/10/2014	19.48	Tripped on PRV.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Oct/2014

Position as on 6.30 Hrs of 21/Oct/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
II @ Nagothane.					
400/220 KV 315 MVA ICT-II @ Nagothane.	20/10/2014	22.20	21/10/2014	03.51	Tripped on PRV,Charged from LV side.
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
Aarey - Saki - I	11/10/2014	12.39		Continued.	Distance protection
Voltage Level : 132KV			Outage Type TRIPPED		
Gangakhed - Prabhani	20/10/2014	07.20	20/10/2014	07.40	Dist Prot.
Dondaicha - Nandurbar	20/10/2014	07.40	20/10/2014	07.52	Dist Prot.
Chikhali - Mehakar	20/10/2014	19.05	20/10/2014	19.45	Dist Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Oct/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	145
Unit 7	210	115
	620	260
Bhusawal		
Unit 2	210	0
Unit 3	210	130
Unit 4	500	280
Unit 5	500	310
	1420	720
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	175
Unit 7	250	175
	1130	350
Chandrapur		
Unit 1	210	0
Unit 2	210	150
Unit 3	210	150
Unit 4	210	165
Unit 5	500	300
Unit 6	500	300
Unit 7	500	300
	2340	1365
Paras		
Unit 3	250	170
Unit 4	250	170
	500	340
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	0
Unit 4	210	170
Unit 5	500	450
	1340	960
Nasik		
Unit 3	210	172
Unit 4	210	172
Unit 5	210	172
	630	516
Uran		
All Units	852	460
	852	460
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	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	63
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	12
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	18
GHATGHAR	250	0
	611	194
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	1057
WARDHA	405	230
Adani	2640	2388
Other CPPs	300	745
	4545	4420
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	7113
	3455	7113