



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Oct/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/Oct/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	109.723	2290.456	1) Gujrat	8.410	144.712
2) Hydro	9.774	260.731	2) Madhya Pradesh	19.857	445.804
3) Gas	9.731	216.346	3) Chattisgarh	10.430	213.490
Total MSGENCO	129.228	2767.533	4) Maharashtra Net	120.316	2503.747
B) 1) JSW JAIGAD	27.156	565.515	(Incl. 765kV Solapur-Raichur)	-0.408	-135.199
2) WPCL	5.418	117.054	5) Goa	-7.469	-159.269
3) ADANI	48.690	898.610	6) TAPS 1&2 Injection	3.655	113.474
4) Other CPP / IPP	18.788	333.654	7) RGPPL Injection	0.000	0.000
5) Wind Generation	9.744	93.248	8) Pench (Excess)	-1.054	-20.466
6) PENCH (MS)	1.054	20.466			
7) SOLAR	0.945	21.365	# Total Cent. Sector	154.145	3241.492
C) 1) TPCL Thermal	19.793	415.927	F) Other Exchanges		
2) TPCL Hydro	4.831	75.549	1) With TPCL (Excess)	-27.769	-542.266
TOTAL TPCL	24.624	491.476	G) Bilateral Power *		
3) REL Thermal	12.425	249.584	1) MSEDCL Bilateral	61.679	1217.833
D) STATE			Include PX	27.855	548.012
1) Thermal (A1+C1+C3)	141.941	2955.967	2) MUMBAI Bilateral	28.441	511.422
2) Hydro (A2+B6+C2)	15.659	356.746	Include PX	5.285	104.476
3) Gas (A3)	9.731	216.346	3) MUMBAI Schedule	28.496	520.421
4) Wind (B5)	9.744	93.248	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	100.052	1914.833	1) MSEDCL	367.399	7516.671
6) SOLAR (B7)	0.945	21.365	2) TPCL	40.357	802.442
TOTAL STATE	278.072	5558.505	3) REL	24.460	480.905
			TOTAL STATE	432.216	8800.018

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5311	5279	4257
MSGENCO Hydro	685	472	57
MSGENCO Gas	422	422	439
MSGENCO Total Generation	6418	6173	4753
Central Sector Receipt	6910	7228	5926
WIND	865	772	315
CPP / IPP	3846	3820	4543
SOLAR	151	125	0
Exchange with Mumbai	-1435	-1419	-639
MSEDCL DEMAND MET	16798	16742	14939
Load Shedding	165	114	56
MSEDCL DEMAND	16963	16856	14995
TPCL GENERATION	1216	1178	829
R-INFRA GENERATION	520	518	518
TPCL+R-INFRA DEMAND	3171	3115	1986
STATE DEMAND MET	19969	19857	16925
STATE DEMAND	20134	19971	16981
Frequency (Hz)	50.03	50.04	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.27 Hz at 13:04 Hrs	49.67 Hz at 18:09 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 21/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	3.66	59.69	163	140	145
Unit 7	3.00	65.93	150	100	115
Total	6.66	125.62			260
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.20	52.90	145	120	130
Unit 4	7.02	103.27	310	265	280
Unit 5	7.38	167.08	335	280	310
Total	17.60	323.24			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	4.40	95.47	238	170	175
Unit 7	4.43	94.22	230	169	175
Total	8.84	248.94			350
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.63	69.19	155	145	150
Unit 3	3.80	78.84	175	151	150
Unit 4	4.07	92.56	198	160	165
Unit 5	7.67	169.52	450	285	300
Unit 6	7.39	160.25	405	265	300
Unit 7	7.29	161.33	409	256	300
Total	33.85	731.70			1365
Paras					
Unit 3	4.18	91.20	199	156	170
Unit 4	3.88	89.85	178	130	170
Total	8.06	181.05			340
Khaparkheda					
Unit 1	3.64	76.60	190	110	170
Unit 2	3.54	56.02	165	125	170
Unit 3	2.09	73.76	160	0	0
Unit 4	3.93	75.10	210	142	170
Unit 5	9.43	187.06	486	310	450
Total	22.64	468.54			960
Nasik					
Unit 3	4.04	87.47	195	150	172
Unit 4	4.01	57.56	188	158	172
Unit 5	4.04	66.34	188	160	172
Total	12.09	211.37			516
Uran					
All Units	9.73	216.35	454	323	460
Total	9.73	216.35			460
PENCH (MS)					
Pench (MS)	1.05	20.47	49	40	
Total	1.05	20.47			
Koyna					
Stage 1-2	2.87	79.96	465	40	530
Stage 4	1.56	100.44	468	0	250
Stage 3	1.75	39.53	240	0	240
Kovna 12&4 Total	4.43	180.40			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	6.19	219.93			1020
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.98	11.27	61	0	61
TILLARI	0.18	1.88	60	0	63
BHTGR/VEER	0.03	0.08	2	1	0
BHIRA T.R.	0.19	5.61	77	0	40
RNGR+BHTSA	0.35	3.62	28	0	12
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	2.18	0	0	0
SMLHY PTN	0.10	2.26	13	0	18
GHATGHAR	1.77	13.90	250	0	0
Total	3.59	40.80			194
Wind					
MalharPeth	0.32	2.53			
Vankuswadi	0.62	4.62			
ATIT	0.08	0.56			
Kale	0.23	1.83			
Satara	5.60	51.33			
Shirala	0.38	2.93			
K Mahankal	0.03	0.28			
Supa	0.10	1.70			
Vita	1.28	10.16			
Dondaicha	0.45	6.94			
Sakri	0.06	1.55			
Nandurbar	0.19	2.96			
Khandke	0.20	3.88			
Khaparale	0.19	1.99			
Total	9.74	93.25			
CPP					
JSW JAIGAD	27.16	565.52	1171	1081	1057
WARDHA	5.42	117.05	238	197	230
Adani	48.69	898.61	2360	1660	2388
Other CPPs	18.79	333.65			745
Total	100.05	1914.83			4420
SOLAR					
Total	0.94	21.36			
Total	0.94	21.36			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.81	245.88	497	434	500
Trombay 6	3.72	78.26	156	154	500
Trombay 7A	2.71	58.24	120	83	120
Trombay 7B	1.56	33.54	68	55	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.83	75.55	422	0	447
Total	24.62	491.48			1627
REL					
1&2	12.42	249.58	521	513	500
Total	12.42	249.58			500
Cent Sect					
Share					7113
Total					7113
MS PG CL	Thermal	109.72	2290.46		4511
	Thml+Gas	119.45	2506.80		4971
	Hydro	9.77	260.73		1214
	Total	129.23	2767.53		6185
State Total		278.07	5558.50		19845

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/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	4435	57	373	4865	223	4410	0	6244	6306	-1025	-1137	14707	88	14795	2479	17274	50.00
2	4392	57	375	4824	203	4460	0	6083	6130	-783	-917	14740	56	14796	2281	17077	49.97
3	4348	57	390	4795	234	4391	0	6058	6181	-848	-781	14861	56	14917	2130	17047	49.99
4	4310	57	436	4803	258	4630	0	6051	6273	-859	-686	15319	56	15375	2036	17411	50.02
5	4257	57	439	4753	315	4543	0	6349	5926	-850	-639	14939	56	14995	1986	16981	49.99
6	4299	57	448	4804	376	4507	0	6584	6707	-763	-662	15773	70	15843	2009	17852	49.92
7	4287	57	454	4798	378	4462	0	6556	6604	-746	-760	15527	87	15614	2110	17724	49.99
8	4366	88	454	4908	364	4523	24	6268	6031	-866	-815	15080	87	15167	2161	17328	50.05
9	4405	130	420	4955	465	4533	65	5849	5748	-1100	-1072	14739	68	14807	2441	17248	50.07
10	4489	227	435	5151	627	4544	94	6432	6316	-1245	-1198	15579	65	15644	2816	18460	50.01
11	4494	265	430	5189	742	4491	118	6975	6640	-1416	-1329	15893	65	15958	3071	19029	49.99
12	4672	387	426	5485	873	4247	142	6953	7396	-1516	-1386	16799	68	16867	3157	20024	49.96
13	5311	685	422	6418	865	3846	151	6877	6910	-1523	-1435	16798	165	16963	3171	20134	50.03
14	5279	472	422	6173	772	3820	125	6774	7228	-1455	-1419	16742	114	16856	3115	19971	50.04
15	5265	692	423	6380	649	3869	102	6765	7005	-1493	-1430	16618	96	16714	3162	19876	49.96
16	4704	1013	428	6145	478	3785	74	6838	7146	-1560	-1490	16184	158	16342	3171	19513	49.98
17	4554	316	430	5300	387	3817	39	6782	6869	-1530	-1486	14974	198	15172	3154	18326	50.03
18	4546	300	430	5276	318	3808	11	6233	6348	-1446	-1374	14432	200	14632	3053	17685	49.93
19	4581	865	430	5876	269	3954	0	5965	6429	-1403	-1326	15251	59	15310	3075	18385	49.89
20	4627	1457	339	6423	197	4021	0	5861	5888	-1341	-1338	15237	70	15307	3075	18382	49.97
21	4606	1091	323	6020	222	3830	0	5887	5824	-1244	-1231	14710	70	14780	2927	17707	49.98
22	4532	720	330	5582	185	3836	0	5886	6125	-1202	-1200	14576	70	14646	2801	17447	49.99
23	4510	345	326	5181	177	3889	0	5856	6142	-1215	-1335	14099	70	14169	2795	16964	49.95
24	4454	322	348	5124	167	3836	0	5766	5973	-1067	-1323	13822	70	13892	2642	16534	49.96
MUs	109.7 2	9.77	9.73	129.23	9.74	100.0 5	0.94	151.89	154.14	-28.50	-27.77	367.40	2.16	369.56	64.82	434.38	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 21/Oct/2014

Position as on 6.30 Hrs of 22/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	21/10/2014	07.22	BTL	
CPP Adani U-5	660	21/10/2014	11:44	21/10/2014	17:51	Boiler MFT	
CPP Adani U-5	660	21/10/2014	19:35	22/10/2014	00:22	Boiler MFT	
Uran Unit A0	120	21/10/2014	21.06	22/10/2014	02.01	Hydraulic oil system problem.	
Uran Unit 6	108	21/10/2014	21.06	21/10/2014	22.01	Hydraulic oil system problem.	
Uran Unit 8	108	22/10/2014	01.39	22/10/2014	02.41	Independence fault.	
Uran Unit A0	120	22/10/2014	04.48		Continued.	Hydraulic oil system problem.	
Uran Unit 6	108	22/10/2014	04.48	22/10/2014	05.11	Hydraulic oil system problem.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Oct/2014

Position as on 6.30 Hrs of 22/Oct/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	20/10/2014	15.54	21/10/2014	09.26	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	21/10/2014	00.16	21/10/2014	22.40	Sparking on isolator.
Karad - Solapur (PGCIL)	21/10/2014	16.27		Continued.	Kolhapur-Solapur PG Outage.
Kolhapur - Mapusa - I	21/10/2014	22.25		Continued.	Over Voltage.
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.
400/220KV 315MVA ICT-II @ Kharghar	21/10/2014	05.38	21/10/2014	09.20	Hot Spot.
Akola - II - Akola - I	21/10/2014	10.15	21/10/2014	19.27	Attending problem of wave trap.
GT Bay 410 at Khaperkheda	21/10/2014	11.47	21/10/2014	14.16	Hot Spot.
400/220 KV 500 MVA ICT - II at Khaparkheda	21/10/2014	13.05	21/10/2014	16.56	To provide twin stud shortlink.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Harangul - ICL	20/10/2014	18.43	21/10/2014	00.14	Hot Spot.
Trombay-Kharghar	21/10/2014	06.08	21/10/2014	08.10	Hot Spot.
Halkarni -Tillary	21/10/2014	08.19	21/10/2014	18.23	Cleaning of insulators.
220/132KV 200MVA ICT II At Girwali	21/10/2014	10.07	21/10/2014	13.23	Oil top up in the conservator tank.
125MVA TR 3 at Chembur	21/10/2014	10.38	21/10/2014	16.35	A.M.Work.
Karad Mudsingi-II	21/10/2014	10.42	21/10/2014	17.08	Repl of flashover insulator string.
TBC @ Khaparkheda	21/10/2014	11.00	21/10/2014	12.10	Measurement of tan delta of CT.
Bus Coupler @ Khaparkheda	21/10/2014	12.29	21/10/2014	13.51	Measurement of tan delta of CT.
Khaparkheda - Koulawada - II	21/10/2014	14.07	21/10/2014	16.06	Fixing vertical clamp of insulator.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	20/10/2014	21.22	21/10/2014	11.13	Over Voltage.
Karad - Kolhapur - II	20/10/2014	21.29	21/10/2014	09.00	Over Voltage.
Karad - Kolhapur - I	21/10/2014	15.39		Continued.	Over Voltage.
Bhusawal- Aurangabad	21/10/2014	17.40	22/10/2014	04.53	Over Voltage.
Karad-Jaigad I	21/10/2014	21.52		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chinchwad - Hinjewadi	21/10/2014	09.30	21/10/2014	15.51	To control L/L on Urse-Chinchwad.
Voltage Level : 400KV			Outage Type TRIPPED		
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.
400/220 KV 315 MVA ICT-II @ Nagothane.	20/10/2014	22.20	21/10/2014	13.13	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
Trombay - Tata Tie - I	22/10/2014	01.40	22/10/2014	02.24	Transit Fault.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/Oct/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	135
Unit 7	210	125
	620	260
Bhusawal		
Unit 2	210	0
Unit 3	210	130
Unit 4	500	350
Unit 5	500	400
	1420	880
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	175
Unit 7	250	177
	1130	352
Chandrapur		
Unit 1	210	0
Unit 2	210	145
Unit 3	210	155
Unit 4	210	165
Unit 5	500	300
Unit 6	500	300
Unit 7	500	300
	2340	1365
Paras		
Unit 3	250	180
Unit 4	250	180
	500	360
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	210
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	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	2
BHIRA T.R.	80	40
RNGR+BHTSA	20	10
BHANDARDRA	45	0
ELDARY	23	
SMLHY PTN	12	10
GHATGHAR	250	
	611	186
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	1098
WARDHA	405	230
Adani	2640	2388
Other CPPs	300	745
	4545	4461
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	6635
	3455	6635

	21940	19846
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