



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

State Load Dispatch Center, Airoli

Daily system Report

for

22/Aug/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 22/Aug/2014 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	90.109	1907.096	1) Gujrat	6.139	118.741
2) Hydro	10.338	364.390	2) Madhya Pradesh	12.514	301.990
3) Gas	9.731	175.381	3) Chattisgarh	6.410	138.660
Total MSGENCO	110.178	2446.867	4) Maharashtra Net	85.443	1710.975
B) 1) JSW JAIGAD	24.324	409.458	(Incl. 765kV Solapur-Raichur)	-0.950	-166.671
2) WPCL	4.876	105.388	5) Goa	-5.958	-130.151
3) ADANI	44.369	945.053	6) TAPS 1&2 Injection	7.395	162.430
4) Other CPP / IPP	20.339	368.471	7) RGPPL Injection	0.000	0.000
5) Wind Generation	3.075	529.754	8) Pench (Excess)	-0.718	-6.189
6) PENCH (MS)	0.718	6.189	# Total Cent. Sector	111.225	2296.456
7) SOLAR	0.434	18.342	F) Other Exchanges		
C) 1) TPCL Thermal	15.669	327.132	1) With TPCL (Excess)	-25.525	-520.687
2) TPCL Hydro	5.983	101.297	G) Bilateral Power *		
TOTAL TPCL	21.652	428.429	1) MSEDCL Bilateral	42.965	627.701
3) REL Thermal	12.495	271.627	Include PX	12.302	128.050
D) STATE			2) MUMBAI Bilateral	22.032	493.537
1) Thermal (A1+C1+C3)	118.273	2505.855	Include PX	-0.071	37.168
2) Hydro (A2+B6+C2)	17.039	471.876	3) MUMBAI Schedule	22.610	496.310
3) Gas (A3)	9.731	175.381	H) ENERGY CATERED (MUs)		
4) Wind (B5)	3.075	529.754	1) MSEDCL	294.013	6605.291
5) CPP/IPP (B1+B2+B3+B4)	93.908	1828.370	2) TPCL	39.051	773.337
6) SOLAR (B7)	0.434	18.342	3) REL	20.621	447.407
TOTAL STATE	242.460	5529.578	TOTAL STATE	353.685	7826.035

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3813	3764	3554
MSGENCO Hydro	598	1154	625
MSGENCO Gas	386	398	418
MSGENCO Total Generation	4797	5316	4597
Central Sector Receipt	5316	4723	3691
WIND	78	71	223
CPP / IPP	3810	3955	3791
SOLAR	57	0	0
Exchange with Mumbai	-1367	-1242	-598
MSEDCL DEMAND MET	12718	12869	11704
Load Shedding	490	310	195
MSEDCL DEMAND	13208	13179	11899
TPCL GENERATION	1114	1050	652
R-INFRA GENERATION	521	519	522
TPCL+R-INFRA DEMAND	3002	2811	1772
STATE DEMAND MET	15720	15680	13476
STATE DEMAND	16210	15990	13671
Frequency (Hz)	49.87	49.90	49.88

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.23 Hz at 05.54 Hrs	49.51 Hz at 23.59 Hrs	49.9	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 22/Aug/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	3.10	45.78	153	110	150
Unit 7	3.54	69.62	170	110	170
Total	6.64	115.40			320
Bhusawal					
Unit 2	0.27	23.08	115	0	0
Unit 3	3.06	58.26	150	120	130
Unit 4	0.00	39.45	0	0	0
Unit 5	9.20	180.07	420	280	400
Total	12.53	300.85			530
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	3.88	0	0	0
Unit 7	0.00	2.03	0	0	0
Total	0.00	5.91			0
Chandrapur					
Unit 1	2.62	63.57	115	104	120
Unit 2	3.59	72.54	155	146	150
Unit 3	3.33	65.90	150	119	130
Unit 4	0.00	66.15	0	0	0
Unit 5	8.96	161.64	425	290	300
Unit 6	7.60	150.01	375	205	225
Unit 7	9.02	153.28	407	338	330
Total	35.13	733.10			1255
Paras					
Unit 3	0.00	36.95	0	0	0
Unit 4	5.12	108.58	231	204	250
Total	5.12	145.53			250
Khaparkheda					
Unit 1	2.88	41.64	165	0	150
Unit 2	3.15	55.27	150	105	170
Unit 3	3.64	85.13	189	137	170
Unit 4	3.56	84.27	188	141	170
Unit 5	7.06	126.07	350	230	325
Total	20.29	392.37			985
Nasik					
Unit 3	3.80	32.80	185	140	190
Unit 4	2.67	88.15	175	0	180
Unit 5	3.92	92.98	175	150	180
Total	10.40	213.94			550
Uran					
All Units	9.73	175.38	430	386	425
Total	9.73	175.38			425
PENCH (MS)					
Pench (MS)	0.72	6.19	54	0	0
Total	0.72	6.19			0
Koyna					
Stage 1-2	3.63	95.00	425	40	600
Stage 4	3.35	131.87	487	0	250
Stage 3	1.91	60.59	160	0	320
Kovna 12&4 Total	6.98	226.88			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	8.88	287.47			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	6.46	0	0	0
TILLARI	0.00	13.34	0	0	60
BHTGR/VEER	0.19	2.45	8	7	5
BHIRA T.R.	0.36	8.40	45	0	80
RNGR+BHTSA	0.00	0.85	0	0	0
BHANDARDRA	0.21	9.99	27	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.41	18.86	24	14	8
GHATGHAR	0.28	16.56	125	0	0
Total	1.45	76.92			153
Wind					
MalharPeth	0.05	16.41			
Vankuswadi	0.09	27.84			
ATIT	0.01	4.07			
Kale	0.05	11.68			
Satara	1.38	250.50			
Shirala	0.06	16.00			
K Mahankal	0.01	1.58			
Supa	0.05	4.82			
Vita	0.30	53.16			
Dondaicha	0.70	76.80			
Sakri	0.07	16.10			
Nandurbar	0.16	14.26			
Khandke	0.11	19.31			
Khaparale	0.04	17.22			
Total	3.08	529.75			
CPP					
JSW JAIGAD	24.32	409.46	1200	764	1000
WARDHA	4.88	105.39	215	191	210
Adani	44.37	945.05	2131	1652	1851
Other CPPs	20.34	348.43			735
Total	93.91	1808.33			3796
SOLAR					
Total	0.43	17.57			
Total	0.43	17.57			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.91	240.92	502	438	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.30	53.96	114	79	120
Trombay 7B	1.46	32.25	67	55	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.98	101.30	452	0	447
Total	21.65	428.43			1127
REL					
1&2	12.50	271.63	523	518	500
Total	12.50	271.63			500
Cent Sect					
Share					5234
Total					5234
MS PG CL	Thermal	90.11	1907.10		3890
	Thml+Gas	99.84	2082.48		4315
	Hydro	10.34	364.39		1323
	Total	110.18	2446.87		5638
State Total		242.46	5529.58		16295

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/Aug/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	3629	336	417	4382	273	3966	0	4297	4426	-745	-710	12337	112	12449	2102	14551	49.88
2	3514	251	416	4181	304	4000	0	4082	4335	-629	-619	12201	175	12376	1919	14295	49.84
3	3535	381	418	4334	184	3903	0	4020	4265	-506	-611	12075	190	12265	1825	14090	49.89
4	3554	625	418	4597	223	3791	0	3545	3691	-613	-598	11704	195	11899	1772	13671	49.88
5	3614	546	417	4577	134	3680	0	3683	3900	-590	-596	11695	234	11929	1772	13701	49.86
6	3635	652	417	4704	162	3705	0	4171	4248	-508	-683	12149	405	12554	1862	14416	49.88
7	3731	304	418	4453	122	3651	0	4470	4288	-638	-853	11694	880	12574	2010	14584	49.91
8	3746	254	421	4421	111	3782	11	4538	4519	-695	-968	11916	913	12829	2164	14993	49.94
9	3682	487	419	4588	134	3653	23	4764	5234	-979	-1250	12409	794	13203	2447	15650	49.97
10	3782	551	386	4719	114	3746	38	5249	5527	-1024	-1302	12869	500	13369	2798	16167	49.86
11	3813	598	386	4797	78	3810	57	5375	5316	-1181	-1367	12718	490	13208	3002	16210	49.87
12	3817	420	386	4623	78	3903	81	5302	5201	-1229	-1453	12473	590	13063	3070	16133	49.93
13	3880	118	386	4384	77	3740	38	5132	5246	-1184	-1481	12037	577	12614	3031	15645	49.95
14	3985	108	387	4480	73	4003	44	4718	4758	-1076	-1345	12060	417	12477	2896	15373	49.95
15	3983	117	388	4488	74	4056	37	4941	4731	-1236	-1347	12086	338	12424	2901	15325	49.87
16	3951	117	430	4498	45	3941	51	4995	5154	-1282	-1346	12383	255	12638	2898	15536	49.90
17	3872	125	424	4421	55	3946	37	4787	4898	-1257	-1259	12126	236	12362	2887	15249	49.96
18	3763	90	397	4250	51	3925	16	4543	4819	-1197	-1227	11862	207	12069	2865	14934	49.92
19	3672	422	398	4492	58	3934	1	4434	4730	-1108	-1210	12045	204	12249	2815	15064	49.89
20	3764	1154	398	5316	71	3955	0	4582	4723	-1092	-1242	12869	310	13179	2811	15990	49.90
21	3820	902	396	5118	86	4069	0	4680	4820	-1063	-1050	13090	274	13364	2599	15963	49.92
22	3829	939	397	5165	128	4192	0	4241	4358	-1035	-1116	12774	181	12955	2543	15498	49.94
23	3761	634	406	4801	193	4238	0	4193	4151	-950	-1086	12351	109	12460	2452	14912	49.88
24	3777	207	405	4389	247	4319	0	3965	3886	-791	-806	12089	94	12183	2231	14414	49.83
MUs	90.11	10.34	9.73	110.18	3.08	93.91	0.43	108.71	111.22	-22.61	-25.52	294.01	8.68	302.69	59.67	362.36	49.90

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 22/Aug/2014

Position as on 6.30 Hrs of 23/Aug/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 ST - IV 3	250	07/07/2014	09.00	22/08/2014	14.35	Annual Overhaul	
Bhusawal Unit 4	500	06/08/2014	13.56		Continued.	converted to AOH from 7/08/14	15/09/2014
Paras Unit 3	250	11/08/2014	14.08		Continued.	Annual Overhauling	
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-1	135	30/01/2014	12.45		Continued.	turbine vibration	
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.	Coal Shortage	
Parli Unit 4	210	29/06/2014	10.19		Continued.	Water Shortage	
CPP JSW (J) U2	300	20/07/2014	00.00	22/08/2014	05.58	No Buyer	
Parli Unit 5	210	30/07/2014	00.02		Continued.	Water Shortage.	
Tata Trombay 6	500	31/07/2014	21.34		Continued.	Economic Shut down.	
Parli Unit 7	250	01/08/2014	10.10		Continued.	Water Shortage.	
Parli Unit 6	250	01/08/2014	19.08		Continued.	Water Shortage.	
Uran Unit 6	108	07/08/2014	05.45		Continued.	Non Availability of AO.	
CPP Adani U-4	660	09/08/2014	01.08	22/08/2014	20.49	Coal Shortage.	
Khaparkheda Unit 1	210	15/08/2014	00.10	22/08/2014	02.00	Coal Shortage.	
Chandrapur Unit 4	210	18/08/2014	07.44		Continued.	Boiler Tube Leakage	
Bhusawal Unit 2	210	19/08/2014	06.55	22/08/2014	20.25	Boiler Tube Leakage	
CPP VIPL U-2	300	22/08/2014	04.44		Continued.	Wet Coal Bunkering Problem.	
Nasik Unit 4	210	22/08/2014	18.07		Continued.	B.T.L	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 22/Aug/2014

Position as on 6.30 Hrs of 23/Aug/2014

Name of Generating Unit	Capacity	Tripped Date	Trippe d Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Bhusawal Unit 2	210	23/08/2014	04.12		Continued.	flame failure	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/Aug/2014

Position as on 6.30 Hrs of 23/Aug/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha - Talegaon (PG)	22/08/2014	11.11	22/08/2014	14.40	replacement of insulator string
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV,100MVA ICT-2@Kathapur	22/08/2014	09.00	22/08/2014	17.20	R.M.& Testing work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dabhol-Nagothane-II	29/07/2014	00.05		Continued.	Over Voltage
Kolhapur-Mapusa-II	21/08/2014	16.52		Continued.	Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
501 MVA ICT 1 @ Jejuri	21/08/2014	06.02		Continued.	Attending hotspot on IV bushing Cb Y ph.
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 500MVA ICT-II at Warora	09/07/2014	14.35		Continued.	Attending CTR Fire System Nitrogen Leakage.
Thaptitanda-Akola	22/08/2014	12.25	22/08/2014	14.42	chattering noise on B phase wt.
Koradi -Bhusawal	22/08/2014	15.12	22/08/2014	15.24	line reactor out.
Lonikand - Jejuri	22/08/2014	15.25	22/08/2014	17.47	replacement of flashover insulator string
400/220 KV 315 MVA ICT - II @ Parli	22/08/2014	15.31	22/08/2014	19.33	Replacement work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Temghar-Colourchem	22/08/2014	07.04	22/08/2014	09.10	Hot spot on WT.
Khargar-Topworth	22/08/2014	09.26	22/08/2014	18.21	Replacement Work
Padgha-Vasai	22/08/2014	09.40	22/08/2014	17.34	safty purpose for padga-kamba outage
220/132 KV 100 MVA ICT @ Bhandara	22/08/2014	09.46	22/08/2014	18.45	oil leakages of ict
Padgha-Kamba	22/08/2014	10.21	22/08/2014	16.56	Replacement Work
Chandrapur - Grace Industries	22/08/2014	10.51	22/08/2014	16.02	To Attend hot spot at cut point tower loc.2
Aurangabad - Padegaon - I.	22/08/2014	10.53	22/08/2014	16.02	Replacement work
Butibori - Wardha	22/08/2014	12.13	22/08/2014	21.59	Replacement work
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Pophali - Nerle	20/08/2014	15.30		Continued.	Snap Conductor Replacement Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Jaigad I	21/08/2014	16.05		Continued.	Over Voltage.
Karad-Kolhapur-II	21/08/2014	16.45		Continued.	Over Voltage.
Bhusawal- Aurangabad	21/08/2014	17.36		Continued.	Over Voltage.
Lonikand-Stage4	21/08/2014	22.23	22/08/2014	07.13	Over Voltage
Karad - Lonikand	23/08/2014	00.10		Continued.	over voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Theur - Magarpatta	13/08/2014	05.27		Continued.	To Control Loading on Theur-Lonikand.
Voltage Level : 400KV			Outage Type TRIPPED		
New Koyna - Dabhol - I	13/08/2014	13.01		Continued.	Over Voltage.
Parli - Lamboti	22/08/2014	00.15	22/08/2014	01.26	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 22/Aug/2014

Position as on 6.30 Hrs of 23/Aug/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Parli - Lamboti	22/08/2014	02.09		Continued.	Distance Protection,Y Ph to Earth(Declared Faulty).
Voltage Level : 220KV			Outage Type TRIPPED		
Pusad - Ghatodi	12/06/2014	17.40		Continued.	At loc.no 27,28 D/C tower 220KV Nanded-Ghatodi & 220KV Pusad-Ghatodi Collapsed(Line taken in service Bypassing Ghatodi LILO at 18.58/13-6-2014)
Nanded - Ghatodi	12/06/2014	17.40		Continued.	Dist.Prot,optd.Z-I at loc.no 27,28 D/C tower 220KV Nanded-Ghatodi & 220KV Pusad-Ghatodi Collapsed(Line taken in service Bypassing Ghatodi LILO at 18.58/13-6-2014)
Aurangabad-Jalna-II	02/07/2014	14.33		Continued.	Heavy Rain @ Aurangabad S/S load Trimming Schem Operated,Ckt Charged from Chikhli End @ 15.15 Hrs DT 2.7.14.
220/100 KV,200MVA ICT - I at Padgha	18/07/2014	02.37		Continued.	Diff.Prot
Nasik-Raymond	22/08/2014	04.13		Continued.	Distance Protection.
Ghatghar-Nasik	22/08/2014	12.04	22/08/2014	12.35	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 23/Aug/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	155
Unit 7	210	140
	620	295
Bhusawal		
Unit 2	210	0
Unit 3	210	130
Unit 4	500	0
Unit 5	500	320
	1420	450
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	0
	1130	0
Chandrapur		
Unit 1	210	120
Unit 2	210	150
Unit 3	210	170
Unit 4	210	0
Unit 5	500	450
Unit 6	500	380
Unit 7	500	425
	2340	1695
Paras		
Unit 3	250	0
Unit 4	250	230
	500	230
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
Unit 5	500	325
	1340	1005
Nasik		
Unit 3	210	190
Unit 4	210	0
Unit 5	210	190
	630	380
Uran		
All Units	852	425
	852	425
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	14
BHTGR/VEER	21	10
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	20
ELDARY	23	0
SMLHY PTN	12	0
GHATGHAR	250	0
	611	84
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	1099
WARDHA	405	210
Adani	2640	2451
Other CPPs	300	735
	4545	4495
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1127
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4652
	3455	4652