



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Aug/2014

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	86.140	1725.654	1) Gujrat	11.029	104.315
2) Hydro	28.461	332.719	2) Madhya Pradesh	11.059	276.653
3) Gas	9.362	155.852	3) Chattisgarh	6.340	125.590
Total MSGENCO	123.963	2214.225	4) Maharashtra Net	89.277	1536.407
B) 1) JSW JAIGAD	21.547	363.557	(Incl. 765kV Solapur-Raichur)	-7.883	-159.922
2) WPCL	5.005	95.487	5) Goa	-6.996	-117.982
3) ADANI	41.571	857.137	6) TAPS 1&2 Injection	7.318	147.676
4) Other CPP / IPP	26.693	323.723	7) RGPPL Injection	0.000	0.000
5) Wind Generation	4.437	521.382	8) Pench (Excess)	-0.272	-5.158
6) PENCH (MS)	0.272	5.158	# Total Cent. Sector	117.755	2067.501
7) SOLAR	0.776	17.121	F) Other Exchanges		
C) 1) TPCL Thermal	14.826	295.847	1) With TPCL (Excess)	-25.765	-470.289
2) TPCL Hydro	6.960	87.988	G) Bilateral Power *		
TOTAL TPCL	21.786	383.835	1) MSEDCL Bilateral	46.911	535.764
3) REL Thermal	12.506	246.647	Include PX	20.611	100.724
D) STATE			2) MUMBAI Bilateral	25.293	446.278
1) Thermal (A1+C1+C3)	113.472	2268.148	Include PX	0.893	33.770
2) Hydro (A2+B6+C2)	35.693	425.865	3) MUMBAI Schedule	25.700	447.838
3) Gas (A3)	9.362	155.852	H) ENERGY CATERED (MUs)		
4) Wind (B5)	4.437	521.382	1) MSEDCL	316.254	5995.002
5) CPP/IPP (B1+B2+B3+B4)	94.816	1639.904	2) TPCL	38.517	696.479
6) SOLAR (B7)	0.776	17.121	3) REL	21.539	404.291
TOTAL STATE	258.556	5028.272	TOTAL STATE	376.310	7095.772

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	3475	3582	3479
MSGENCO Hydro	1554	1521	617
MSGENCO Gas	389	382	408
MSGENCO Total Generation	5418	5485	4504
Central Sector Receipt	5858	4981	4522
WIND	100	180	184
CPP / IPP	4037	3784	4015
SOLAR	122	59	0
Exchange with Mumbai	-1201	-1332	-599
MSEDCL DEMAND MET	14334	13157	12626
Load Shedding	467	1302	136
MSEDCL DEMAND	14801	14459	12762
TPCL GENERATION	1069	1084	636
R-INFRA GENERATION	522	521	521
TPCL+R-INFRA DEMAND	2792	2937	1756
STATE DEMAND MET	17126	16094	14382
STATE DEMAND	17593	17396	14518
Frequency (Hz)	49.73	49.84	49.89

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.13 Hz at 06.02 Hrs	49.47 Hz at 20.37 Hrs	49.81	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/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	0.00	42.39	0	0	0
Unit 7	3.95	62.67	180	145	175
Total	3.95	105.06			175
Bhusawal					
Unit 2	0.00	22.81	0	0	0
Unit 3	2.98	52.18	135	115	130
Unit 4	0.00	39.45	0	0	0
Unit 5	9.48	160.98	420	335	400
Total	12.46	275.42			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	2.68	58.26	117	105	120
Unit 2	3.44	65.38	153	132	150
Unit 3	2.78	59.14	163	0	150
Unit 4	0.00	66.15	0	0	0
Unit 5	8.60	142.99	415	260	300
Unit 6	6.90	134.80	365	225	250
Unit 7	8.31	134.33	430	265	300
Total	32.71	661.05			1270
Paras					
Unit 3	0.00	36.95	0	0	0
Unit 4	5.22	98.14	230	202	230
Total	5.22	135.09			230
Khaparkheda					
Unit 1	0.00	38.76	0	0	0
Unit 2	4.04	48.62	180	155	170
Unit 3	4.12	76.86	190	155	170
Unit 4	4.33	76.10	205	163	170
Unit 5	7.68	111.49	355	265	350
Total	20.17	351.83			860
Nasik					
Unit 3	3.40	25.05	165	70	190
Unit 4	3.98	81.41	188	140	200
Unit 5	4.26	84.84	181	172	190
Total	11.63	191.30			580
Uran					
All Units	9.36	155.85	420	334	425
Total	9.36	155.85			425
PENCH (MS)					
Pench (MS)	0.27	5.16	50	0	
Total	0.27	5.16			
Koyna					
Stage 1-2	6.38	85.57	470	40	600
Stage 4	15.56	117.98	767	297	250
Stage 3	5.05	55.01	318	80	320
Kovna 12&4 Total	21.94	203.55			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	26.99	258.57			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	6.46	0	0	61
TILLARI	0.19	13.15	61	0	60
BHTGR/VEER	0.10	2.17	5	4	5
BHIRA T.R.	0.45	7.51	80	0	80
RNGR+BHTSA	0.00	0.85	0	0	0
BHANDARDRA	0.14	9.78	24	0	18
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.59	17.95	32	22	15
GHATGHAR	0.00	16.28	0	0	
Total	1.48	74.15			239
Wind					
MalharPeth	0.11	16.24			
Vankuswadi	0.12	27.61			
ATIT	0.02	4.03			
Kale	0.07	11.51			
Satara	1.73	246.87			
Shirala	0.14	15.80			
K Mahankal	0.02	1.55			
Supa	0.11	4.72			
Vita	0.34	52.30			
Dondaicha	1.21	74.80			
Sakri	0.16	15.85			
Nandurbar	0.24	13.89			
Khandke	0.14	19.05			
Khaparale	0.04	17.15			
Total	4.44	521.38			
CPP					
JSW JAIGAD	21.55	363.56	899	895	822
WARDHA	5.00	95.49	213	194	210
Adani	41.57	857.14	1860	1506	1851
Other CPPs	26.69	303.68			990
Total	94.82	1619.86			3873
SOLAR					
Total	0.78	16.35			
Total	0.78	16.35			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.95	217.06	502	486	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	1.63	49.44	91	61	120
Trombay 7B	1.25	29.35	60	48	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	6.96	87.99	471	9	447
Total	21.79	383.84			1127
REL					
1&2	12.51	246.65	523	520	500
Total	12.51	246.65			500
Cent Sect					
Share					5303
Total					5303
MS PG CL	Thermal	86.14	1725.65		3645
	Thml+Gas	95.50	1881.51		4070
	Hydro	28.46	332.72		1409
	Total	123.96	2214.22		5479
State Total		258.56	5028.27		16282

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/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	3381	1285	334	5000	212	4056	0	4452	4559	-754	-822	13005	81	13086	2095	15181	49.78
2	3417	1106	334	4857	222	4065	0	4517	4485	-759	-765	12864	66	12930	1919	14849	49.85
3	3452	778	420	4650	159	4090	0	4479	4569	-696	-645	12823	82	12905	1823	14728	49.85
4	3465	815	400	4680	164	3985	0	4386	4498	-667	-602	12725	89	12814	1778	14592	49.85
5	3479	617	408	4504	184	4015	0	4390	4522	-656	-599	12626	136	12762	1756	14518	49.89
6	3464	728	419	4611	177	4024	0	4721	4841	-789	-652	13001	338	13339	1842	15181	49.93
7	3466	857	418	4741	154	4068	5	4897	4784	-737	-772	12980	789	13769	1971	15740	49.91
8	3563	988	420	4971	80	4051	33	4859	5160	-826	-915	13380	836	14216	2198	16414	49.92
9	3609	1232	384	5225	101	4023	64	5268	5392	-1182	-1189	13616	701	14317	2479	16796	49.80
10	3475	1554	389	5418	100	4037	122	5390	5858	-1232	-1201	14334	467	14801	2792	17593	49.73
11	3530	1473	384	5387	88	4014	110	5575	5817	-1437	-1426	13990	544	14534	3037	17571	49.85
12	3493	1525	382	5400	45	3973	103	5182	5584	-1496	-1439	13666	610	14276	3046	17322	49.79
13	3529	1536	381	5446	29	3842	68	4994	5257	-1470	-1397	13245	810	14055	3013	17068	49.73
14	3647	1518	380	5545	61	3802	87	4875	5256	-1375	-1305	13446	801	14247	2918	17165	49.77
15	3603	1549	381	5533	138	3722	78	4889	4946	-1350	-1344	13073	1162	14235	2914	17149	49.77
16	3582	1521	382	5485	180	3784	59	4901	4981	-1341	-1332	13157	1302	14459	2937	17396	49.84
17	3625	1451	381	5457	347	3751	32	4815	4652	-1268	-1321	12918	1188	14106	2925	17031	49.82
18	3668	863	378	4909	363	3820	10	4710	4614	-1315	-1351	12385	1167	13552	2887	16439	49.89
19	3650	937	381	4968	369	3864	5	4611	4825	-1278	-1215	12841	546	13387	2801	16188	49.84
20	3731	1553	381	5665	344	3861	0	4589	4596	-1060	-1223	13293	661	13954	2824	16778	49.71
21	3794	1447	381	5622	302	3918	0	4683	4654	-1015	-1142	13404	456	13860	2746	16606	49.68
22	3825	1358	382	5565	293	3975	0	4644	4589	-1041	-1091	13381	273	13654	2599	16253	49.76
23	3853	1080	382	5315	167	4010	0	4657	4620	-1041	-1121	13041	160	13201	2456	15657	49.82
24	3839	690	380	4909	158	4066	0	4763	4696	-916	-896	12960	130	13090	2301	15391	49.77
MUs	86.14	28.46	9.26	123.86	4.44	94.82	0.78	115.25	117.76	-25.70	-25.76	316.15	13.40	329.55	60.06	389.61	49.81

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/Aug/2014

Position as on 6.30 Hrs of 21/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		Continued.	Annual Overhaul	23/08/2014
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		Continued.	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		Continued.	Coal Shortage.	
Khaparkheda Unit 1	210	15/08/2014	00.10		Continued.	Coal Shortage.	
Koradi Unit 6	210	15/08/2014	11.57		Continued.	ID Fan B vibration high	
Chandrapur Unit 4	210	18/08/2014	07.44		Continued.	Boiler Tube Leakage	
Bhusawal Unit 2	210	19/08/2014	06.55		Continued.	Boiler Tube Leakage	

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

Position as on 6.30 Hrs of 21/Aug/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
A'bad-Talegaon PG-1	20/08/2014	14.16	20/08/2014	18.21	Emergency Outage.
Chakan-Talegaon(PG)	20/08/2014	19.32	20/08/2014	22.53	To Attend Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dabhol-Nagothane-II	29/07/2014	00.05		Continued.	Over Voltage
Kolhapur - Mapusa - II	19/08/2014	16.46	20/08/2014	10.01	Over Voltage
Dhule-Sar'Sarovar - II	20/08/2014	00.30	20/08/2014	07.19	Over Voltage
Kolhapur-Solapur(PGCIL)-I	20/08/2014	00.35	20/08/2014	07.16	Over Voltage
Kolhapur - Mapusa - I	20/08/2014	17.26		Continued.	Over Voltage.
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC POLE II - CHDPR	19/08/2014	08.45	20/08/2014	17.48	Annual Maint.work(For 5 Days)
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.
New Koyna - Karad - I	19/08/2014	10.10	20/08/2014	14.40	Maint.work(RFC 18.00Hrs)
TBC @ Kharghar	20/08/2014	10.14	20/08/2014	16.00	Hot Spot Attending Work.
400/220KV, 315MVA ICT-I @ New Koyna.	20/08/2014	10.55	20/08/2014	14.40	R Ph C T Clamp Hot Spot Attending Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/33 KV 125 MVA T/F - V @ Varsova	20/08/2014	08.53	20/08/2014	10.45	To Attend Damaged Cable in Cable Trench.
Vita - Lamboti	20/08/2014	11.47	20/08/2014	16.07	Disc Insulator 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	18/08/2014	16.07	20/08/2014	20.31	Over Voltage
Karad - Kolhapur - I	19/08/2014	16.08	20/08/2014	07.24	Over Voltage
Bhusawal- Aurangabad	19/08/2014	17.07	20/08/2014	08.34	Over Voltage
Padgha - Nagothane - I	20/08/2014	02.08	20/08/2014	08.53	Over Voltage
Karad - Kolhapur - I	20/08/2014	16.17		Continued.	Over Voltage.
Bhusawal- Aurangabad	20/08/2014	18.53		Continued.	Over Voltage.
Karad-Jaigad I	20/08/2014	21.15		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	21/08/2014	01.04		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 : 500KV			Outage Type TRIPPED		
HVDC Pole-I	20/08/2014	18.05	20/08/2014	21.23	On Converter T/F PR Phase High Pressure Tap Changed Tripped @ Chandrapur.
Voltage Level : 400KV			Outage Type TRIPPED		
New Koyna - Dabhol - I	13/08/2014	13.01		Continued.	Over Voltage.
Akola-II - Taptithanda	20/08/2014	12.57	20/08/2014	13.42	Tripped @ One End DT Received.

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

Position as on 6.30 Hrs of 21/Aug/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
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

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Aug/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	150
	620	150
Bhusawal		
Unit 2	210	0
Unit 3	210	138
Unit 4	500	0
Unit 5	500	397
	1420	535
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	175
Unit 4	210	0
Unit 5	500	450
Unit 6	500	380
Unit 7	500	400
	2340	1675
Paras		
Unit 3	250	0
Unit 4	250	230
	500	230
Khaparkheda		
Unit 1	210	0
Unit 2	210	180
Unit 3	210	185
Unit 4	210	185
Unit 5	500	350
	1340	900
Nasik		
Unit 3	210	190
Unit 4	210	200
Unit 5	210	190
	630	580
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	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	18
ELDARY	23	0
SMLHY PTN	12	19
GHATGHAR	250	0
	611	243
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	210
Adani	2640	1851
Other CPPs	300	990
	4545	3871
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	5883
	3455	5883