



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

State Load Dispatch Center, Airoli

Daily system Report

for

12/Aug/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 12/Aug/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	88.716	1023.866	1) Gujrat	9.520	32.876
2) Hydro	17.782	160.520	2) Madhya Pradesh	14.020	160.343
3) Gas	6.566	100.879	3) Chattisgarh	6.170	72.460
Total MSGENCO	113.064	1285.265	4) Maharashtra Net	90.391	831.206
B) 1) JSW JAIGAD	19.081	211.093	(Incl. 765kV Solapur-Raichur)	-4.885	-94.692
2) WPCL	4.973	56.611	5) Goa	-5.884	-67.842
3) ADANI	32.560	533.971	6) TAPS 1&2 Injection	7.384	88.921
4) Other CPP / IPP	19.180	157.752	7) RGPPL Injection	0.000	0.000
5) Wind Generation	26.977	379.644	8) Pench (Excess)	-0.373	-2.415
6) PENCH (MS)	0.373	2.415	# Total Cent. Sector	121.228	1115.549
7) SOLAR	0.986	10.310	F) Other Exchanges		
C) 1) TPCL Thermal	15.651	182.004	1) With TPCL (Excess)	-24.612	-277.908
2) TPCL Hydro	5.541	52.371	G) Bilateral Power *		
TOTAL TPCL	21.192	234.375	1) MSEDCL Bilateral	34.206	206.946
3) REL Thermal	12.532	147.187	Include PX	14.166	-29.972
D) STATE			2) MUMBAI Bilateral	25.864	248.617
1) Thermal (A1+C1+C3)	116.899	1353.057	Include PX	1.034	23.014
2) Hydro (A2+B6+C2)	23.696	215.306	3) MUMBAI Schedule	25.864	249.117
3) Gas (A3)	6.566	100.879	H) ENERGY CATERED (MUs)		
4) Wind (B5)	26.977	379.644	1) MSEDCL	313.810	3474.702
5) CPP/IPP (B1+B2+B3+B4)	75.794	959.427	2) TPCL	37.344	413.707
6) SOLAR (B7)	0.986	10.310	3) REL	20.986	245.765
TOTAL STATE	250.918	3018.623	TOTAL STATE	372.140	4134.174

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3864	3789	3667
MSGENCO Hydro	1431	929	84
MSGENCO Gas	268	269	280
MSGENCO Total Generation	5563	4987	4031
Central Sector Receipt	5499	5374	4900
WIND	970	1024	1053
CPP / IPP	3205	3284	2838
SOLAR	144	134	0
Exchange with Mumbai	-1414	-1344	-543
MSEDCL DEMAND MET	13967	13459	12279
Load Shedding	53	55	49
MSEDCL DEMAND	14020	13514	12328
TPCL GENERATION	1072	989	630
R-INFRA GENERATION	522	522	523
TPCL+R-INFRA DEMAND	3008	2855	1696
STATE DEMAND MET	16975	16314	13975
STATE DEMAND	17028	16369	14024
Frequency (Hz)	49.92	49.99	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.21 Hz at 13.01 Hrs	49.54 Hz at 19.10 Hrs	49.88	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 12/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	2.99	34.77	150	95	150
Unit 7	3.12	35.05	155	115	140
Total	6.10	69.82			290
Bhusawal					
Unit 2	3.08	4.13	140	120	125
Unit 3	3.03	28.59	150	115	135
Unit 4	0.00	39.45	0	0	0
Unit 5	7.64	86.67	340	280	325
Total	13.74	158.84			585
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	2.95	35.25	127	118	135
Unit 2	3.49	37.44	153	134	140
Unit 3	0.00	34.87	0	0	0
Unit 4	4.28	44.57	192	166	190
Unit 5	9.39	68.80	440	216	400
Unit 6	7.91	94.24	390	205	380
Unit 7	7.24	67.46	360	235	350
Total	35.25	382.63			1595
Paras					
Unit 3	0.00	36.95	0	0	0
Unit 4	5.32	57.19	236	211	210
Total	5.32	94.14			210
Khaparkheda					
Unit 1	3.08	32.50	155	95	150
Unit 2	3.28	20.69	160	110	170
Unit 3	3.78	46.64	167	143	180
Unit 4	3.71	45.81	181	142	180
Unit 5	4.68	63.81	358	0	350
Total	18.52	209.44			1030
Nasik					
Unit 3	1.22	3.25	95	0	100
Unit 4	4.21	49.21	188	150	190
Unit 5	4.36	50.61	193	160	190
Total	9.79	103.08			480
Uran					
All Units	6.57	100.88	282	268	280
Total	6.57	100.88			280
PENCH (MS)					
Pench (MS)	0.37	2.42	47	0	
Total	0.37	2.42			
Koyna					
Stage 1-2	3.52	40.64	440	40	600
Stage 4	7.68	41.98	840	0	250
Stage 3	3.08	27.46	240	0	320
Kovna 12&4 Total	11.20	82.61			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	14.28	110.07			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.42	2.94	61	0	61
TILLARI	0.49	9.30	60	0	60
BHTGR/VEER	0.21	1.16	9	8	5
BHIRA T.R.	0.38	4.67	43	0	40
RNGR+BHTSA	0.02	0.64	1	1	0
BHANDARDRA	0.04	6.87	14	0	5
ELDARY	0.00	0.00	0	0	
SMLHY PTN	0.79	11.55	41	30	10
GHATGHAR	1.14	13.32	250	0	
Total	3.50	50.45			181
Wind					
MalharPeth	0.72	12.28			
Vankuswadi	1.16	20.83			
ATIT	0.18	3.14			
Kale	0.48	9.20			
Satara	12.97	184.49			
Shirala	0.70	12.66			
K Mahankal	0.08	1.21			
Supa	0.16	3.31			
Vita	2.83	39.19			
Dondaicha	3.98	47.66			
Sakri	0.94	10.59			
Nandurbar	0.89	9.70			
Khandke	0.99	13.29			
Khaparale	0.91	12.09			
Total	26.98	379.64			
CPP					
JSW JAIGAD	19.08	211.09	905	670	824
WARDHA	4.97	56.61	212	196	210
Adani	32.56	533.97	1503	1230	1296
Other CPPs	19.18	157.75			745
Total	75.79	959.43			3075
SOLAR					
Total	0.99	10.31			
Total	0.99	10.31			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.56	132.26	505	385	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.57	31.77	120	99	120
Trombay 7B	1.52	17.98	67	62	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.54	52.37	411	72	447
Total	21.19	234.38			1127
REL					
1&2	12.53	147.19	524	520	500
Total	12.53	147.19			500
Cent Sect					
Share					5546
Total					5546
MS PG CL	Thermal	88.72	1023.87		4190
	Thml+Gas	95.28	1124.74		4470
	Hydro	17.78	160.52		1351
	Total	113.06	1285.26		5821
State Total		250.92	3018.62		16069

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 12/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	3548	234	280	4062	1134	3004	0	4685	4695	-687	-727	12191	76	12267	1991	14258	49.86
2	3641	79	280	4000	1084	2966	0	4686	4786	-645	-560	12281	49	12330	1828	14158	49.92
3	3685	79	279	4043	1069	2957	0	4566	4845	-663	-535	12379	49	12428	1750	14178	49.89
4	3667	84	280	4031	1053	2838	0	4550	4900	-761	-543	12279	49	12328	1696	14024	49.95
5	3744	89	280	4113	918	2881	0	4572	4956	-783	-542	12326	51	12377	1696	14073	49.88
6	3814	569	281	4664	703	2871	0	4742	5158	-804	-640	12759	55	12814	1797	14611	49.80
7	3910	1233	282	5425	536	2853	11	4828	5336	-865	-728	13456	56	13512	1961	15473	49.92
8	3939	1685	275	5899	568	2915	40	4870	5431	-911	-844	14032	56	14088	2104	16192	49.93
9	3854	1750	270	5874	779	2932	77	5121	5350	-1023	-1096	13940	54	13994	2414	16408	49.88
10	3874	1444	273	5591	819	3068	109	5553	5628	-1125	-1248	13993	51	14044	2740	16784	49.88
11	3871	1408	270	5549	799	3100	118	5409	5699	-1325	-1418	13850	51	13901	2987	16888	49.92
12	3864	1431	268	5563	970	3205	144	5174	5499	-1429	-1414	13967	53	14020	3008	17028	49.92
13	3863	1151	271	5285	971	3360	155	5033	5419	-1473	-1434	13756	104	13860	3003	16863	49.95
14	3789	929	269	4987	1024	3284	134	4886	5374	-1344	-1344	13459	55	13514	2855	16369	49.99
15	3686	945	269	4900	1371	3266	77	5036	5143	-1316	-1330	13427	52	13479	2881	16360	49.91
16	3504	681	268	4453	1479	3407	67	5272	5265	-1300	-1296	13375	52	13427	2875	16302	49.85
17	3532	394	269	4195	1567	3320	35	5187	5301	-1314	-1233	13185	54	13239	2830	16069	49.90
18	3562	337	268	4167	1464	3238	15	4920	4601	-1444	-1347	12138	55	12193	2771	14964	49.84
19	3519	162	270	3951	1594	3326	4	4907	4617	-1274	-1295	12207	56	12263	2715	14978	49.89
20	3566	610	272	4448	1479	3401	0	5133	5170	-1145	-1203	13342	58	13400	2792	16192	49.72
21	3571	706	273	4550	1411	3469	0	4902	4950	-1132	-1125	13302	56	13358	2626	15984	49.79
22	3532	778	273	4583	1472	3357	0	4477	4447	-1145	-983	12923	53	12976	2505	15481	49.83
23	3577	713	273	4563	1374	3386	0	4344	4164	-1041	-895	12637	52	12689	2372	15061	49.89
24	3604	291	273	4168	1339	3390	0	4625	4494	-914	-832	12606	52	12658	2139	14797	49.87
MUs	88.72	17.78	6.57	113.06	26.98	75.79	0.99	117.48	121.23	-25.86	-24.61	313.81	1.35	315.16	58.34	373.50	49.88

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 12/Aug/2014

Position as on 6.30 Hrs of 13/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
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.	I D Fan Bearing Temperature High.	
CPP IPL U-1	270	26/06/2014	05.46		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.	
Bhusawal Unit 4	500	06/08/2014	13.56		Continued.	Boiler Tube Leakage.	
Uran Unit A0	120	07/08/2014	05.45		Continued.	Main X'mer Bucholz.	
Uran Unit 6	108	07/08/2014	05.45		Continued.	Non Availability of AO.	
Uran Unit 5	108	07/08/2014	11.19		Continued.	Gas Shortage.	
CPP Adani U-4	660	09/08/2014	01.08		Continued.	Coal Shortage.	
Chandrapur Unit 3	210	11/08/2014	13.39		Continued.	Boiler Tube Leakage	
Paras Unit 3	250	11/08/2014	14.08		Continued.	Air Heater Problem	
Nasik Unit 3	210	12/08/2014	13.45	12/08/2014	14.00	Tripped	
Khaparkheda Unit 5	500	12/08/2014	14.34		Continued.	PA Fan Tripped	

State Load Dispatch Center, Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 12/Aug/2014

Position as on 6.30 Hrs of 13/Aug/2014

Name of Generating Unit	Capacity	Tripped Date	Trippe d Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Nasik Unit 3	210	12/08/2014	15.25		Continued.	Water wall T/L	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Aug/2014

Position as on 6.30 Hrs of 13/Aug/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		
Dabhol-Nagothane-II	29/07/2014	00.05		Continued.	Over Voltage
Kolhapur - Mapusa - I	06/08/2014	17.08		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	11/08/2014	16.40		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	11/08/2014	23.45	12/08/2014	10.48	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Wardha (PG) - Warora - I	12/08/2014	14.56	12/08/2014	16.19	LBB Operated, Line I/S through Tie
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC POLE I -CHDPR	11/08/2014	13.09		Continued.	A.M.work(For 5 Days)
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.
Warora-Tiroda-I	12/08/2014	09.50	12/08/2014	22.37	Testing of metering CT and CVT
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Chikhali - Jalna - II	12/08/2014	07.48	12/08/2014	18.47	Jumper Tightening and Fixing of Nut Bolts
Dondaicha - Jamde - II.	12/08/2014	07.50	12/08/2014	09.44	Repl.of B Phase CT to Line Isolator Jumper
Chikhali - Jalna - I	12/08/2014	08.00	12/08/2014	18.55	Jumper Tightening and Fixing of Nut Bolts
Dondaicha - Jamde - I	12/08/2014	12.32	12/08/2014	15.40	Repl.of Jumper CT to Line Isolator
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV,500 MVA ICT-I at Lamboti.	12/08/2014	16.44	12/08/2014	18.08	Hot Spot
400/220 KV 600 MVA ICT-II @ Kalwa	12/08/2014	22.03		Continued.	Hot Spot(Repl.of Conductor)
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Main Bus I @ Kalwa I	12/08/2014	22.20		Continued.	Hot Spot(Repl.of Conductor)
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Jaigad I	28/07/2014	17.01	12/08/2014	01.17	Over Voltage
Karad - Kolhapur - II	10/08/2014	13.10	12/08/2014	07.42	Over Voltage
Bhusawal- Aurangabad	11/08/2014	17.56	12/08/2014	08.32	Over Voltage
Lonikand-Karad	12/08/2014	00.37	12/08/2014	06.19	Over Voltage
Lonikand- Koyna Stage IV	12/08/2014	01.22	12/08/2014	05.48	Over Voltage
Babaleshwar - Bhusawal	12/08/2014	16.36	12/08/2014	19.04	Low SF6
Bhusawal- Aurangabad	12/08/2014	19.16		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Nagothane-Dabhol-I	10/08/2014	06.02		Continued.	over voltage
New Koyna - Dabhol - I	10/08/2014	13.01		Continued.	Over Voltage
Karad-Jaigad II	11/08/2014	23.17		Continued.	Distance Protection,(RFC 17.50Hrs/12-8-2014)
Main Bus I at Warora	12/08/2014	14.56	12/08/2014	16.19	LBB operated
Warora - Wardha (PG) - II	12/08/2014	14.56	12/08/2014	16.28	LBB Operated, Line I/S through Tie
Warora - Tiroda - II	12/08/2014	14.56	12/08/2014	16.23	LBB Operated, Line I/S through Tie
Voltage Level : 220KV			Outage Type TRIPPED		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 12/Aug/2014

Position as on 6.30 Hrs of 13/Aug/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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
Gangapur-Valve	23/07/2014	03.16		Continued.	Dist.Prot.Tower Collapse.
Karad-Wathar	12/08/2014	05.59	12/08/2014	18.57	Distance Protection
Hingoli-Girawali	12/08/2014	10.21	12/08/2014	15.40	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 13/Aug/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	130
	620	270
Bhusawal		
Unit 2	210	137
Unit 3	210	135
Unit 4	500	0
Unit 5	500	295
	1420	567
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	135
Unit 2	210	150
Unit 3	210	0
Unit 4	210	200
Unit 5	500	450
Unit 6	500	380
Unit 7	500	350
	2340	1665
Paras		
Unit 3	250	0
Unit 4	250	250
	500	250
Khaparkheda		
Unit 1	210	200
Unit 2	210	190
Unit 3	210	210
Unit 4	210	210
Unit 5	500	0
	1340	810
Nasik		
Unit 3	210	0
Unit 4	210	190
Unit 5	210	190
	630	380
Uran		
All Units	852	280
	852	280
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	
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	5
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	5
ELDARY	23	
SMLHY PTN	12	10
GHATGHAR	250	
	611	181
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	824
WARDHA	405	210
Adani	2640	1490
Other CPPs	300	745
	4545	3269
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	5814
	3455	5814

	21940	16283
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