



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Aug/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 04/Aug/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	82.965	325.664	1) Gujrat	0.107	8.628
2) Hydro	7.104	28.360	2) Madhya Pradesh	13.823	42.226
3) Gas	10.419	41.458	3) Chattisgarh	5.750	22.400
Total MSGENCO	100.488	395.482	4) Maharashtra Net	59.347	233.298
B) 1) JSW JAIGAD	19.304	74.649	(Incl. 765kV Solapur-Raichur)	-11.091	-35.802
2) WPCL	4.618	17.703	5) Goa	-5.482	-22.004
3) ADANI	55.327	217.597	6) TAPS 1&2 Injection	7.405	29.744
4) Other CPP / IPP	12.386	47.681	7) RGPPL Injection	0.000	0.000
5) Wind Generation	39.853	152.709	8) Pench (Excess)	-0.096	-0.518
6) PENCH (MS)	0.096	0.518			
7) SOLAR	0.836	3.418	# Total Cent. Sector	80.854	313.774
C) 1) TPCL Thermal	15.057	57.021	F) Other Exchanges		
2) TPCL Hydro	4.335	15.895	1) With TPCL (Excess)	-23.851	-90.964
TOTAL TPCL	19.392	72.916	G) Bilateral Power *		
3) REL Thermal	12.166	48.265	1) MSEDCL Bilateral	12.806	35.613
D) STATE			Include PX	-6.076	-34.640
1) Thermal (A1+C1+C3)	110.188	430.950	2) MUMBAI Bilateral	20.035	71.308
2) Hydro (A2+B6+C2)	11.535	44.773	Include PX	2.965	6.852
3) Gas (A3)	10.419	41.458	3) MUMBAI Schedule	20.122	71.396
4) Wind (B5)	39.853	152.709	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	91.635	357.630	1) MSEDCL	289.911	1132.567
6) SOLAR (B7)	0.836	3.418	2) TPCL	34.223	130.632
TOTAL STATE	264.466	1030.938	3) REL	21.186	81.515
			TOTAL STATE	345.320	1344.714

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 10 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3425	3579	3069
MSGENCO Hydro	475	267	130
MSGENCO Gas	438	432	429
MSGENCO Total Generation	4338	4278	3628
Central Sector Receipt	4062	3171	3211
WIND	1586	1921	1583
CPP / IPP	4158	3902	3541
SOLAR	79	83	0
Exchange with Mumbai	-1188	-1257	-556
MSEDCL DEMAND MET	13035	12098	11407
Load Shedding	51	56	51
MSEDCL DEMAND	13086	12154	11458
TPCL GENERATION	951	999	548
R-INFRA GENERATION	522	524	455
TPCL+R-INFRA DEMAND	2661	2780	1559
STATE DEMAND MET	15696	14878	12966
STATE DEMAND	15747	14934	13017
Frequency (Hz)	49.94	49.85	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.2 Hz at 07.03 Hrs	49.52 Hz at 19.41 Hrs	49.92	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 04/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	2.40	11.83	128	0	100
Unit 7	3.10	12.86	145	105	140
Total	5.50	24.68			240
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	2.26	3.20	155	0	0
Unit 4	6.41	28.58	320	195	470
Unit 5	4.88	24.64	270	120	395
Total	13.56	56.42			865
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	2.87	11.66	124	110	125
Unit 2	2.93	12.25	130	115	130
Unit 3	3.24	13.08	150	116	140
Unit 4	3.68	14.71	162	145	150
Unit 5	1.46	4.94	240	0	0
Unit 6	8.19	33.02	365	295	320
Unit 7	5.26	10.13	296	127	135
Total	27.62	99.78			1000
Paras					
Unit 3	3.84	13.01	197	133	170
Unit 4	4.23	18.04	196	164	250
Total	8.07	31.05			420
Khaparkheda					
Unit 1	3.71	13.87	165	135	170
Unit 2	0.00	0.00	0	0	0
Unit 3	3.92	14.61	166	160	170
Unit 4	3.82	14.37	164	149	170
Unit 5	8.55	31.84	370	330	350
Total	20.00	74.69			860
Nasik					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.07	16.51	175	163	198
Unit 5	4.14	16.62	187	163	190
Total	8.21	33.14			388
Uran					
All Units	10.42	41.46	440	427	440
Total	10.42	41.46			440
PENCH (MS)					
Pench (MS)	0.10	0.52	27	0	
Total	0.10	0.52			
Koyna					
Stage 1-2	1.24	6.27	195	40	520
Stage 4	0.06	0.11	63	0	250
Stage 3	1.36	5.03	160	0	320
Kovna 12&4 Total	1.31	6.38			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.67	11.41			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.21	0.62	61	0	0
TILLARI	0.66	3.39	62	0	60
BHTGR/VEER	0.00	0.00	0	0	0
BHIRA T.R.	0.42	1.56	41	0	40
RNGR+BHTSA	0.06	0.24	3	2	0
BHANDARDRA	0.84	3.22	35	34	28
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.14	3.84	55	44	22
GHATGHAR	1.12	4.07	240	0	0
Total	4.43	16.95			150
Wind					
MalharPeth	1.41	5.17			
Vankuswadi	2.23	9.00			
ATIT	0.34	1.40			
Kale	1.07	4.20			
Satara	19.49	76.57			
Shirala	1.65	5.74			
K Mahankal	0.14	0.53			
Supa	0.23	1.72			
Vita	4.06	16.32			
Dondaicha	5.18	15.94			
Sakri	1.07	3.56			
Nandurbar	1.04	3.47			
Khandke	1.02	4.82			
Khaparale	0.93	4.27			
Total	39.85	152.71			
CPP					
JSW JAIGAD	19.30	74.65	905	678	824
WARDHA	4.62	17.70	199	177	190
Adani	55.33	217.60	2540	1925	2446
Other CPPs	12.39	47.68			510
Total	91.64	357.63			3970
SOLAR					
Total	0.84	3.42			
Total	0.84	3.42			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.89	41.83	504	314	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.63	9.82	115	99	120
Trombay 7B	1.54	5.37	67	60	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.34	15.90	326	72	447
Total	19.39	72.92			1127
REL					
1&2	12.17	48.26	525	454	500
Total	12.17	48.26			500
Cent Sect					
Share					3946
Total					3946
MS PG CL	Thermal	82.96	325.66		3773
	Thml+Gas	93.38	367.12		4213
	Hydro	7.10	28.36		1240
	Total	100.49	395.48		5453
State Total		264.47	1030.94		14996

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/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	3046	162	436	3644	1511	3790	0	3044	3319	-447	-622	11642	80	11722	1814	13536	49.97
2	3042	125	427	3594	1610	3759	0	3012	3273	-445	-650	11586	51	11637	1672	13309	49.50
3	3069	120	430	3619	1583	3723	0	3012	3102	-445	-596	11431	51	11482	1597	13079	50.03
4	3069	130	429	3628	1583	3541	0	3012	3211	-445	-556	11407	51	11458	1559	13017	50.01
5	3088	138	432	3658	1602	3588	0	3073	3413	-556	-569	11692	51	11743	1571	13314	50.02
6	3062	206	430	3698	1690	3698	0	3222	3505	-611	-628	11963	53	12016	1681	13697	50.01
7	3196	306	436	3938	1682	3857	3	3559	3712	-654	-649	12546	55	12601	1851	14452	49.97
8	3338	279	438	4055	1633	3803	21	3736	4002	-762	-780	12747	55	12802	2030	14832	50.02
9	3397	355	436	4188	1614	4127	56	3771	4210	-924	-1057	13138	53	13191	2329	15520	49.93
10	3425	475	438	4338	1586	4158	79	3829	4062	-1083	-1188	13035	51	13086	2661	15747	49.94
11	3446	619	439	4504	1727	4081	105	3807	3724	-1258	-1309	12832	51	12883	2839	15722	49.94
12	3466	531	432	4429	1714	4041	107	3754	3685	-1320	-1352	12624	53	12677	2881	15558	49.98
13	3506	462	436	4404	1846	4130	88	3495	3330	-1158	-1363	12435	108	12543	2876	15419	49.96
14	3575	359	436	4370	1770	4018	109	3298	3040	-1067	-1297	12010	57	12067	2785	14852	49.90
15	3579	267	432	4278	1921	3902	83	3365	3171	-1085	-1257	12098	56	12154	2780	14934	49.85
16	3594	204	437	4235	1807	3832	86	3451	3142	-1022	-1219	11883	54	11937	2747	14684	49.88
17	3603	209	434	4246	1936	3482	64	3469	3304	-1062	-1268	11764	54	11818	2725	14543	49.93
18	3759	210	436	4405	1879	3344	30	2957	2913	-1051	-1285	11296	57	11353	2706	14059	49.97
19	3814	438	435	4687	1604	3653	5	2933	3027	-1008	-1194	11795	57	11852	2634	14486	49.83
20	3834	424	440	4698	1539	3903	0	3702	3161	-921	-1121	12193	57	12250	2607	14857	49.70
21	3918	344	438	4700	1533	3909	0	3590	3226	-801	-1065	12330	54	12384	2505	14889	49.80
22	3807	327	429	4563	1501	3825	0	3334	3244	-723	-1033	12113	54	12167	2367	14534	49.94
23	3740	211	433	4384	1504	3723	0	3207	3089	-684	-899	11805	54	11859	2171	14030	49.94
24	3592	203	430	4225	1478	3748	0	3031	2989	-592	-894	11546	54	11600	2021	13621	49.96
MUs	82.96	7.10	10.42	100.49	39.85	91.64	0.84	80.66	80.85	-20.12	-23.85	289.91	1.37	291.28	55.41	346.69	49.92

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 04/Aug/2014

Position as on 6.30 Hrs of 05/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
Nasik Unit 3	210	10/07/2014	14.10		Continued.	A/OH.	
Koyna Unit 6	75	31/07/2014	07.35		Continued.	Annual Overhaul.	
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.	Coal Shortage	
Bhusawal Unit 2	210	18/07/2014	23.46		Continued.	Coal Shortage.	
CPP JSW (J) U2	300	20/07/2014	00.00		Continued.	No Buyer	
CPP VIPL U-1	300	23/07/2014	00.05		Continued.	Bunker Coal Feed Problem.	
Uran Unit 8	108	26/07/2014	07.30		Continued.	Gas Shortage.	
Parli Unit 5	210	30/07/2014	00.02		Continued.	Water Shortage.	
Khaparkheda Unit 2	210	31/07/2014	11.26		Continued.	Poor Coal Quality.	
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.	
Chandrapur Unit 5	500	01/08/2014	11.48	04/08/2014	16.12	Boiler Tube Leakage.	
Bhusawal Unit 3	210	01/08/2014	12:12	04/08/2014	06.38	Boiler tube leakage	
Parli Unit 6	250	01/08/2014	19.08		Continued.	Water Shortage.	
Koradi Unit 6	210	04/08/2014	21.17	05/08/2014	00.52	High Furnace Pressure	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 04/Aug/2014

Position as on 6.30 Hrs of 05/Aug/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Chandrapur Unit 5	500	04/08/2014	23.17	05/08/2014	04.28	Condensor Vaccume Low	
Chandrapur Unit 5	500	05/08/2014	05.18		Continued.	Primary Water Temp. High.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Aug/2014

Position as on 6.30 Hrs of 05/Aug/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 (PG) II	24/07/2014	09.22		Continued.	To attend Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dabhol-Nagothane-II	29/07/2014	00.05		Continued.	Over Voltage
Kolhapur - Mapusa - I	01/08/2014	16.25		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	01/08/2014	17.46		Continued.	Over Voltage.
IntraState					
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.
400/220KV 315MVA ICT-II @ Aurangabad.	04/08/2014	11.15	04/08/2014	15.31	Hot Spot
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Talange-Five star MIDC	04/08/2014	12.08	04/08/2014	14.28	Dismantling of 220KV CC and WT modification in PLCC Link
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Jaigad I	28/07/2014	17.01		Continued.	Over Voltage
Bhusawal- Aurangabad	29/07/2014	14.42		Continued.	Over Voltage.
Karad - Kolhapur - I	02/08/2014	16.55	04/08/2014	09.26	Over Voltage.
Lonikand- Koyna Stage IV	03/08/2014	23.25	04/08/2014	08.34	Over Voltage.
Karad - Lonikand	04/08/2014	00.03	04/08/2014	07.13	Over Voltage.
Padgha - Nagothane - I	04/08/2014	00.30	04/08/2014	09.11	Over Voltage.
Karad-Kolhapur-II	04/08/2014	17.29		Continued.	Over Voltage
Lonikand- Koyna Stage IV	04/08/2014	23.17		Continued.	Over Voltage
Karad - Lonikand	05/08/2014	03.03		Continued.	Over Voltage
Lonikand-Karad	05/08/2014	03.03		Continued.	Over Voltage.
Padgha - Nagothane- II	05/08/2014	03.28		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - I	28/04/2014	01.14		Continued.	To Control O/L of 220KV Paras-ChiKhli
Dahanu - Ghodbandar - I	28/07/2014	15.59		Continued.	H/T due to Tilting of Tower at Loc.No.147
Murud-Tuljapur	31/07/2014	08.14		Continued.	In view of Parli ICT under outage.
Usmanabad-Parli	31/07/2014	12.57		Continued.	To control ICT loading at Parli.
Voltage Level : 400KV			Outage Type TRIPPED		
Deepnagar-Tapitatanda	05/08/2014	04.02		Continued.	Over Voltage.
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

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 04/Aug/2014

Position as on 6.30 Hrs of 05/Aug/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					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 Mudsingi-II	04/08/2014	06.37	04/08/2014	6:54	Dist.Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Gangakhed - Kandhar	04/08/2014	02.57	04/08/2014	03.15	Distance Protection
Amravati - Achalpur	04/08/2014	09.36	04/08/2014	09.40	Distance Protection
Parbhani-Parthur	04/08/2014	22.31	04/08/2014	22.38	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/Aug/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	115
Unit 7	210	140
	620	255
Bhusawal		
Unit 2	210	0
Unit 3	210	136
Unit 4	500	290
Unit 5	500	249
	1420	675
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	140
Unit 2	210	150
Unit 3	210	170
Unit 4	210	200
Unit 5	500	0
Unit 6	500	400
Unit 7	500	300
	2340	1360
Paras		
Unit 3	250	170
Unit 4	250	250
	500	420
Khaparkheda		
Unit 1	210	170
Unit 2	210	0
Unit 3	210	170
Unit 4	210	170
Unit 5	500	350
	1340	860
Nasik		
Unit 3	210	0
Unit 4	210	198
Unit 5	210	190
	630	388
Uran		
All Units	852	440
	852	440
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	320
	1920	1090
Hydro		
KDPH	40	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	2
BHANDARDRA	45	20
ELDARY	23	
SMLHY PTN	12	28
GHATGHAR	250	
	611	150
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	190
Adani	2640	2446
Other CPPs	300	510
	4545	3970
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	3442
	3455	3442

	21940	14677
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