



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

State Load Dispatch Center, Airoli

Daily system Report

for

05/Aug/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 05/Aug/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	87.303	412.967	1) Gujrat	-5.628	3.000
2) Hydro	9.423	37.783	2) Madhya Pradesh	12.393	54.619
3) Gas	10.350	51.808	3) Chattisgarh	5.430	27.830
Total MSGENCO	107.076	502.558	4) Maharashtra Net	56.949	290.247
B) 1) JSW JAIGAD	19.415	94.064	(Incl. 765kV Solapur-Raichur)	-6.642	-42.444
2) WPCL	4.786	22.489	5) Goa	-5.755	-27.759
3) ADANI	51.688	269.285	6) TAPS 1&2 Injection	7.407	37.151
4) Other CPP / IPP	12.431	60.112	7) RGPPL Injection	0.000	0.000
5) Wind Generation	38.159	190.868	8) Pench (Excess)	-0.080	-0.598
6) PENCH (MS)	0.080	0.598	# Total Cent. Sector	70.716	384.490
7) SOLAR	0.463	3.881	F) Other Exchanges		
C) 1) TPCL Thermal	15.245	72.266	1) With TPCL (Excess)	-24.641	-115.605
2) TPCL Hydro	4.876	20.771	G) Bilateral Power *		
TOTAL TPCL	20.121	93.037	1) MSEDCL Bilateral	13.441	49.054
3) REL Thermal	12.148	60.413	Include PX	-4.394	-39.034
D) STATE			2) MUMBAI Bilateral	20.870	92.178
1) Thermal (A1+C1+C3)	114.696	545.646	Include PX	2.868	9.720
2) Hydro (A2+B6+C2)	14.379	59.152	3) MUMBAI Schedule	20.870	92.266
3) Gas (A3)	10.350	51.808	H) ENERGY CATERED (MUs)		
4) Wind (B5)	38.159	190.868	1) MSEDCL	280.173	1412.740
5) CPP/IPP (B1+B2+B3+B4)	88.320	445.950	2) TPCL	35.169	165.801
6) SOLAR (B7)	0.463	3.881	3) REL	21.743	103.258
TOTAL STATE	266.367	1297.305	TOTAL STATE	337.085	1681.799

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 9 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3556	3818	3606
MSGENCO Hydro	583	574	207
MSGENCO Gas	432	422	434
MSGENCO Total Generation	4571	4814	4247
Central Sector Receipt	3711	3382	2504
WIND	1666	1555	1584
CPP / IPP	3724	3896	2993
SOLAR	24	0	0
Exchange with Mumbai	-1090	-1069	-606
MSEDCL DEMAND MET	12606	12603	10722
Load Shedding	52	51	50
MSEDCL DEMAND	12658	12654	10772
TPCL GENERATION	755	1147	569
R-INFRA GENERATION	522	521	454
TPCL+R-INFRA DEMAND	2367	2737	1629
STATE DEMAND MET	14973	15340	12351
STATE DEMAND	15025	15391	12401
Frequency (Hz)	49.98	49.74	50.05

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 03.54 Hrs	49.61 Hz at 19.42 Hrs	49.96	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 05/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	2.87	14.70	139	7	115
Unit 7	3.15	16.01	155	115	140
Total	6.02	30.70			255
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.44	6.64	160	130	136
Unit 4	6.82	35.39	330	220	290
Unit 5	6.94	31.58	355	220	249
Total	17.19	73.60			675
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	2.85	14.51	123	114	140
Unit 2	2.88	15.13	125	95	150
Unit 3	3.10	16.18	149	103	170
Unit 4	3.28	17.98	151	125	200
Unit 5	2.01	6.95	395	0	0
Unit 6	8.72	41.74	395	315	400
Unit 7	6.46	16.59	337	214	300
Total	29.30	129.08			1360
Paras					
Unit 3	3.36	16.37	156	121	170
Unit 4	4.30	22.34	205	158	250
Total	7.66	38.71			420
Khaparkheda					
Unit 1	3.51	17.38	160	115	170
Unit 2	0.00	0.00	0	0	0
Unit 3	3.83	18.44	166	151	170
Unit 4	3.63	18.00	160	141	170
Unit 5	7.76	39.60	360	240	350
Total	18.72	93.41			860
Nasik					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.17	20.68	180	170	198
Unit 5	4.24	20.86	188	165	190
Total	8.41	41.54			388
Uran					
All Units	10.35	51.81	439	421	440
Total	10.35	51.81			440
PENCH (MS)					
Pench (MS)	0.08	0.60	25	0	
Total	0.08	0.60			
Koyna					
Stage 1-2	2.42	8.70	285	40	520
Stage 4	0.00	0.11	0	0	250
Stage 3	2.20	7.23	160	0	320
Kovna 12&4 Total	2.42	8.81			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	4.62	16.03			1090
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	0.62	0	0	0
TILLARI	0.63	4.02	61	0	60
BHTGR/VEER	0.08	0.08	4	3	0
BHIRA T.R.	0.44	2.00	41	0	40
RNGR+BHTSA	0.06	0.30	3	2	2
BHANDARDRA	0.84	4.06	35	34	20
ELDARY	0.00	0.00	0	0	
SMLHY PTN	0.94	4.78	47	36	28
GHATGHAR	1.80	5.88	250	0	
Total	4.80	21.75			150
Wind					
MalharPeth	1.22	6.39			
Vankuswadi	2.06	11.05			
ATIT	0.27	1.68			
Kale	1.05	5.26			
Satara	18.56	95.13			
Shirala	1.47	7.21			
K Mahankal	0.15	0.68			
Supa	0.29	2.01			
Vita	4.05	20.38			
Dondaicha	4.72	20.66			
Sakri	1.03	4.59			
Nandurbar	0.76	4.23			
Khandke	1.14	5.96			
Khaparale	1.38	5.65			
Total	38.16	190.87			
CPP					
JSW JAIGAD	19.42	94.06	905	596	824
WARDHA	4.79	22.49	202	191	190
Adani	51.69	269.28	2388	1783	2446
Other CPPs	12.43	60.11			510
Total	88.32	445.95			3970
SOLAR					
Total	0.46	3.88			
Total	0.46	3.88			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.76	52.58	504	317	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.87	12.69	126	114	120
Trombay 7B	1.62	6.99	70	65	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.88	20.77	453	72	447
Total	20.12	93.04			1127
REL					
1&2	12.15	60.41	524	454	500
Total	12.15	60.41			500
Cent Sect					
Share					3442
Total					3442
MS PG CL	Thermal	87.30	412.97		3958
	Thml+Gas	97.65	464.78		4398
	Hydro	9.42	37.78		1240
	Total	107.08	502.56		5638
State Total		266.37	1297.30		14677

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 05/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	3513	206	430	4149	1499	3409	0	2874	2825	-452	-811	11071	76	11147	1864	13011	49.94
2	3556	196	434	4186	1570	3334	0	2793	2475	-446	-708	10857	50	10907	1734	12641	49.91
3	3575	197	433	4205	1616	3180	0	2650	2482	-446	-638	10845	50	10895	1665	12560	49.98
4	3606	207	434	4247	1584	2993	0	2637	2504	-446	-606	10722	50	10772	1629	12401	50.05
5	3625	217	434	4276	1645	3071	0	2753	2821	-611	-614	11199	50	11249	1641	12890	50.06
6	3590	354	439	4383	1586	3143	0	2816	2869	-655	-693	11288	52	11340	1745	13085	49.96
7	3551	637	433	4621	1582	3429	5	3090	3274	-705	-644	12267	53	12320	1906	14226	49.94
8	3578	456	435	4469	1551	3597	12	3294	3403	-833	-761	12271	53	12324	2053	14377	50.00
9	3556	583	432	4571	1666	3724	24	3333	3711	-982	-1090	12606	52	12658	2367	15025	49.98
10	3594	759	431	4784	1557	3873	42	3311	3074	-1061	-1183	12147	50	12197	2621	14818	49.92
11	3598	639	434	4671	1621	3932	56	3355	3171	-1271	-1348	12103	50	12153	2871	15024	50.03
12	3574	583	430	4587	1523	3951	53	3002	3166	-1302	-1327	11953	51	12004	2906	14910	49.97
13	3635	532	430	4597	1486	4023	61	2718	2773	-1225	-1351	11589	101	11690	2903	14593	50.01
14	3633	383	428	4444	1546	3840	56	2862	2719	-1045	-1359	11246	51	11297	2833	14130	50.04
15	3627	203	421	4251	1573	3892	53	3048	2880	-1149	-1339	11310	51	11361	2823	14184	49.94
16	3534	283	430	4247	1658	3948	50	2887	2670	-1140	-1325	11248	50	11298	2855	14153	49.96
17	3506	342	428	4276	1611	3987	29	2776	2661	-1135	-1290	11274	50	11324	2835	14159	49.95
18	3555	472	438	4465	1611	3896	21	2451	2738	-1066	-1300	11431	51	11482	2783	14265	49.98
19	3741	505	428	4674	1595	3914	1	2695	2843	-1016	-1231	11796	51	11847	2702	14549	49.93
20	3818	574	422	4814	1555	3896	0	3273	3382	-838	-1069	12603	51	12654	2737	15391	49.74
21	3873	448	428	4749	1627	3881	0	3345	3315	-836	-1032	12565	50	12615	2636	15251	49.92
22	3894	216	431	4541	1656	3938	0	3299	3096	-855	-1046	12210	50	12260	2424	14684	49.94
23	3801	223	432	4456	1569	3745	0	3019	3200	-761	-983	11992	50	12042	2273	14315	49.90
24	3770	208	435	4413	1672	3724	0	2743	2663	-592	-893	11579	50	11629	2104	13733	50.05
MUs	87.30	9.42	10.35	107.08	38.16	88.32	0.46	71.02	70.72	-20.87	-24.64	280.17	1.29	281.46	56.91	338.38	49.96

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 05/Aug/2014

Position as on 6.30 Hrs of 06/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.	
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.	
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	
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	05/08/2014	18.02	Primary Water Temp. High.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 05/Aug/2014

Position as on 6.30 Hrs of 06/Aug/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d 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.
Bhusawal - Akola - Koradi	05/08/2014	09.23	05/08/2014	18.13	Nut Bolt Tighting work and R.M.Work
400/220 KV 315MVA ICT-II @ Karad	05/08/2014	11.35		Continued.	NDR Relay Repl.work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Karad Mudsingi-II	05/08/2014	09.40	05/08/2014	14.59	Line Maint.work
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-II	04/08/2014	17.29	05/08/2014	09.33	Over Voltage
Lonikand- Koyna Stage IV	04/08/2014	23.17	05/08/2014	08.19	Over Voltage
Karad - Lonikand	05/08/2014	03.03	05/08/2014	06.59	Over Voltage
Padgha - Nagothane- II	05/08/2014	03.28	05/08/2014	07.37	Over Voltage.
Karad - Kolhapur - I	05/08/2014	16.11		Continued.	Over Voltage
Lonikand- Koyna Stage IV	05/08/2014	22.20		Continued.	Over Voltage
Karad-Lonikhand	05/08/2014	23.44		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 Charged from Chikhli End @ 15.15 Hrs DT 2.7.14.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Aug/2014

Position as on 6.30 Hrs of 06/Aug/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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	05/08/2014	06.37	05/08/2014	06.54	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 06/Aug/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	135
Unit 7	210	120
	620	255
Bhusawal		
Unit 2	210	0
Unit 3	210	130
Unit 4	500	275
Unit 5	500	222
	1420	627
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	150
Unit 4	210	180
Unit 5	500	400
Unit 6	500	400
Unit 7	500	400
	2340	1820
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	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	60
BHTGR/VEER	21	3
BHIRA T.R.	80	41
RNGR+BHTSA	20	2
BHANDARDRA	45	20
ELDARY	23	
SMLHY PTN	12	25
GHATGHAR	250	
	611	151
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	825
WARDHA	405	207
Adani	2640	2373
Other CPPs	300	510
	4545	3915
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	3439
	3455	3439