



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

State Load Dispatch Center, Airoli

Daily system Report

for

06/Aug/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 06/Aug/2014 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	91.081	504.048	1) Gujrat	-4.011	-1.011
2) Hydro	8.062	45.845	2) Madhya Pradesh	10.789	65.408
3) Gas	9.763	61.571	3) Chattisgarh	4.780	32.610
Total MSGENCO	108.906	611.464	4) Maharashtra Net	57.663	347.910
B) 1) JSW JAIGAD	18.625	112.689	(Incl. 765kV Solapur-Raichur)	-4.581	-47.025
2) WPCL	4.919	27.408	5) Goa	-5.461	-33.220
3) ADANI	51.711	320.996	6) TAPS 1&2 Injection	7.391	44.542
4) Other CPP / IPP	12.549	72.661	7) RGPPL Injection	0.000	0.000
5) Wind Generation	40.284	231.152	8) Pench (Excess)	-0.248	-0.846
6) PENCH (MS)	0.248	0.846	# Total Cent. Sector	70.903	455.393
7) SOLAR	0.816	4.697	F) Other Exchanges		
C) 1) TPCL Thermal	15.026	87.292	1) With TPCL (Excess)	-25.119	-140.724
2) TPCL Hydro	4.974	25.745	G) Bilateral Power *		
TOTAL TPCL	20.000	113.037	1) MSEDCL Bilateral	8.409	57.462
3) REL Thermal	12.117	72.530	Include PX	-8.493	-47.526
D) STATE			2) MUMBAI Bilateral	21.184	113.362
1) Thermal (A1+C1+C3)	118.224	663.870	Include PX	2.682	12.402
2) Hydro (A2+B6+C2)	13.284	72.436	3) MUMBAI Schedule	21.184	113.450
3) Gas (A3)	9.763	61.571	H) ENERGY CATERED (MUs)		
4) Wind (B5)	40.284	231.152	1) MSEDCL	283.842	1696.582
5) CPP/IPP (B1+B2+B3+B4)	87.804	533.754	2) TPCL	36.916	202.717
6) SOLAR (B7)	0.816	4.697	3) REL	20.321	123.579
TOTAL STATE	270.175	1567.480	TOTAL STATE	341.079	2022.878

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	3832	3678	3880
MSGENCO Hydro	297	927	118
MSGENCO Gas	431	429	432
MSGENCO Total Generation	4560	5034	4430
Central Sector Receipt	3453	3346	2529
WIND	1794	1543	1465
CPP / IPP	4046	3938	3238
SOLAR	72	0	0
Exchange with Mumbai	-1378	-1230	-619
MSEDCL DEMAND MET	12574	12651	11043
Load Shedding	52	55	52
MSEDCL DEMAND	12626	12706	11095
TPCL GENERATION	1006	961	568
R-INFRA GENERATION	520	520	456
TPCL+R-INFRA DEMAND	2904	2711	1643
STATE DEMAND MET	15478	15362	12686
STATE DEMAND	15530	15417	12738
Frequency (Hz)	50.01	49.79	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 13.03 Hrs	49.58 Hz at 19.18 Hrs	49.93	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 06/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	2.76	17.46	138	76	135
Unit 7	2.75	18.76	130	85	120
Total	5.51	36.22			255
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.14	9.78	145	120	130
Unit 4	4.06	39.45	335	0	275
Unit 5	6.56	38.14	330	210	222
Total	13.77	87.37			627
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	2.96	17.47	131	118	140
Unit 2	3.20	18.33	145	120	150
Unit 3	3.05	19.23	145	110	150
Unit 4	3.15	21.13	154	79	180
Unit 5	9.03	15.98	415	350	400
Unit 6	8.40	50.13	380	312	400
Unit 7	5.88	22.47	309	209	400
Total	35.66	164.74			1820
Paras					
Unit 3	3.69	20.05	172	130	170
Unit 4	4.66	27.00	210	173	250
Total	8.34	47.05			420
Khaparkheda					
Unit 1	3.52	20.90	155	130	170
Unit 2	0.53	0.53	107	0	0
Unit 3	3.70	22.13	162	148	170
Unit 4	3.59	21.58	155	141	170
Unit 5	8.33	47.93	366	323	350
Total	19.66	113.07			860
Nasik					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.95	24.64	172	142	198
Unit 5	4.18	25.04	183	166	190
Total	8.14	49.68			388
Uran					
All Units	9.76	61.57	439	220	440
Total	9.76	61.57			440
PENCH (MS)					
Pench (MS)	0.25	0.85	27	0	
Total	0.25	0.85			
Koyna					
Stage 1-2	2.07	10.76	370	40	600
Stage 4	0.00	0.11	0	0	250
Stage 3	1.33	8.55	160	0	320
Kovna 12&4 Total	2.07	10.88			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.40	19.43			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.20	0.82	61	0	0
TILLARI	0.85	4.87	62	0	60
BHTGR/VEER	0.10	0.19	5	4	3
BHIRA T.R.	0.43	2.43	40	0	41
RNGR+BHTSA	0.06	0.36	3	2	2
BHANDARDRA	0.75	4.81	32	31	20
ELDARY	0.00	0.00	0	0	
SMLHY PTN	0.92	5.71	46	36	25
GHATGHAR	1.35	7.23	250	0	
Total	4.67	26.42			151
Wind					
MalharPeth	1.42	7.81			
Vankuswadi	2.31	13.37			
ATIT	0.33	2.00			
Kale	1.02	6.28			
Satara	19.12	114.26			
Shirala	1.45	8.66			
K Mahankal	0.13	0.81			
Supa	0.15	2.16			
Vita	3.72	24.10			
Dondaicha	5.65	26.31			
Sakri	1.09	5.68			
Nandurbar	1.07	5.30			
Khandke	1.42	7.37			
Khaparale	1.41	7.05			
Total	40.28	231.15			
CPP					
JSW JAIGAD	18.62	112.69	905	595	825
WARDHA	4.92	27.41	209	193	207
Adani	51.71	321.00	2435	1773	2373
Other CPPs	12.55	72.66			510
Total	87.80	533.75			3915
SOLAR					
Total	0.82	4.70			
Total	0.82	4.70			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.65	63.23	502	312	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.79	15.48	126	103	120
Trombay 7B	1.59	8.58	69	62	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.97	25.74	394	72	447
Total	20.00	113.04			1127
REL					
1&2	12.12	72.53	524	453	500
Total	12.12	72.53			500
Cent Sect					
Share					3439
Total					3439
MS PG CL	Thermal	91.08	504.05		4370
	Thml+Gas	100.84	565.62		4810
	Hydro	8.06	45.84		1321
	Total	108.91	611.46		6131
State Total		270.18	1567.48		15112

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 06/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	3878	152	433	4463	1687	3471	0	2449	2305	-464	-837	11089	78	11167	1902	13069	49.95
2	3890	118	439	4447	1642	3483	0	2354	2261	-447	-744	11089	52	11141	1761	12902	50.00
3	3854	118	433	4405	1570	3381	0	2354	2362	-447	-655	11063	52	11115	1680	12795	49.99
4	3880	118	432	4430	1465	3238	0	2354	2529	-447	-619	11043	52	11095	1643	12738	49.95
5	3947	113	432	4492	1473	3208	0	2356	2578	-467	-617	11134	52	11186	1641	12827	49.97
6	3914	158	436	4508	1534	3515	0	2713	3039	-594	-726	11870	55	11925	1751	13676	49.88
7	3926	253	434	4613	1578	3745	8	3045	3246	-631	-737	12453	57	12510	1915	14425	49.89
8	3909	280	433	4622	1512	3827	19	3310	3621	-750	-867	12741	57	12798	2083	14881	49.90
9	3868	490	426	4784	1576	3986	51	3475	3549	-989	-1098	12868	55	12923	2372	15295	49.95
10	3881	514	430	4825	1753	3795	69	3533	3331	-1130	-1292	12508	52	12560	2693	15253	49.92
11	3832	297	431	4560	1794	4046	72	3513	3453	-1313	-1378	12574	52	12626	2904	15530	50.01
12	3843	276	431	4550	1818	3844	88	3404	2807	-1252	-1372	11746	54	11800	2933	14733	49.98
13	3962	215	430	4607	1888	3621	92	3088	2931	-1209	-1347	11803	107	11910	2900	14810	50.00
14	3895	226	430	4551	1957	3246	109	2818	2924	-1119	-1295	11502	55	11557	2838	14395	49.95
15	3691	230	430	4351	2157	3214	114	2901	3043	-1139	-1278	11628	54	11682	2864	14546	49.79
16	3643	214	431	4288	1948	3435	80	3077	3104	-1129	-1259	11603	52	11655	2848	14503	49.89
17	3665	304	430	4399	1924	3319	63	2814	2537	-1101	-1254	10988	52	11040	2820	13860	49.84
18	3670	559	430	4659	1908	3507	43	2562	2511	-1111	-1208	11433	55	11488	2801	14289	49.94
19	3663	551	435	4649	1686	3574	8	2849	2836	-1037	-1197	11583	55	11638	2699	14337	49.91
20	3678	927	429	5034	1543	3938	0	3406	3346	-897	-1230	12651	55	12706	2711	15417	49.79
21	3630	698	430	4758	1426	4042	0	3434	3456	-935	-1117	12585	52	12637	2597	15234	49.88
22	3693	586	257	4536	1460	4137	0	3270	3344	-949	-1077	12411	52	12463	2429	14892	49.97
23	3648	372	220	4240	1477	4153	0	2983	3128	-908	-1018	11990	52	12042	2306	14348	49.97
24	3621	293	221	4135	1508	4079	0	2685	2662	-721	-897	11487	52	11539	2145	13684	50.01
MUs	91.08	8.06	9.76	108.91	40.28	87.80	0.82	70.75	70.90	-21.18	-25.12	283.84	1.36	285.20	57.24	342.44	49.93

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 06/Aug/2014

Position as on 6.30 Hrs of 07/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	06/08/2014	17.02	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.	
Bhusawal Unit 4	500	06/08/2014	13.56		Continued.	Boiler Tube Leakage.	
Uran Unit A0	120	06/08/2014	20.59	07/08/2014	03.25	Main X'mer Bucholz.	
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.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 06/Aug/2014

Position as on 6.30 Hrs of 07/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	06/08/2014	09.31	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	06/08/2014	09.31	Over Voltage.
Dhule-Sar'Sarovar - II	01/08/2014	17.46		Continued.	Over Voltage.
Kolhapur - Mapusa - I	06/08/2014	17.08		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	06/08/2014	22.00		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.
400/220 KV 315MVA ICT-II @ Karad	05/08/2014	11.35	06/08/2014	16.59	NDR Relay Repl.work
Khaparkheda - Chandrapur	06/08/2014	09.24	06/08/2014	17.02	Repl.of Broken Disc.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Murud-Tuljapur	06/08/2014	08.27	06/08/2014	18.58	Replacement of Weak Nut-Bolted Joints by Crimped Type Joints.Tan Delta Measurment of CT's.
Mudshingi - Talandage - I	06/08/2014	10.25	06/08/2014	13.53	Q.M.Work.
220/132 KV 200 MVA ICT - I @ Beed	06/08/2014	10.29	06/08/2014	14.53	Q.M.Work
Main Bus at Malinagar	06/08/2014	12.40	06/08/2014	16.00	Q.M.Work.
Khaparkheda - Kanhan	06/08/2014	14.37	06/08/2014	17.24	Placing of Suspension Clamp of Vertical Jumper.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Uran -Apta-III	06/08/2014	23.23		Continued.	Sparking on Wave Trap.
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	05/08/2014	16.11	06/08/2014	07.49	Over Voltage
Lonikand- Koyna Stage IV	05/08/2014	22.20		Continued.	Over Voltage
Karad-Lonikhand	05/08/2014	23.44		Continued.	Over Voltage
Karad - Kolhapur - II	06/08/2014	16.14		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	06/08/2014	21.53		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
Usmanabad-Parli	31/07/2014	12.57	06/08/2014	11.07	To control ICT loading at Parli.
Parli-Usmanabad	06/08/2014	16.02		Continued.	To Control Parly ICT Loading.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Paras - Warwat Bakal	06/08/2014	00.43	06/08/2014	01.06	To Isolate Main Breaker of 132KV Paras-Akola-II as it was i Lockout Position.
Paras-Akola-II	06/08/2014	00.51	06/08/2014	01.03	To Isolate Main Breaker of 132KV

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 06/Aug/2014

Position as on 6.30 Hrs of 07/Aug/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					Paras-Akola-II as it was in Lockout Position.
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.
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.
Nivali-N'koyna	06/08/2014	10.14	06/08/2014	18.59	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Jalna - Jalna MIDC	06/08/2014	12.10	06/08/2014	19.30	Distance Protection Operated Z-I B Ph.
null					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Parli (Ext)-Beed I	06/08/2014	09.01	06/08/2014	11.57	Q.M.Work.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 07/Aug/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	130
Unit 7	210	130
	620	260
Bhusawal		
Unit 2	210	0
Unit 3	210	110
Unit 4	500	0
Unit 5	500	240
	1420	350
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	450
Unit 6	500	400
Unit 7	500	350
	2340	1860
Paras		
Unit 3	250	152
Unit 4	250	230
	500	382
Khaparkheda		
Unit 1	210	153
Unit 2	210	153
Unit 3	210	153
Unit 4	210	153
Unit 5	500	330
	1340	942
Nasik		
Unit 3	210	0
Unit 4	210	200
Unit 5	210	190
	630	390
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	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	62
BHTGR/VEER	21	5
BHIRA T.R.	80	40
RNGR+BHTSA	20	2
BHANDARDRA	45	32
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	212
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	900
WARDHA	405	205
Adani	2640	2373
Other CPPs	300	510
	4545	3988
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	4010
	3455	4010