



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

State Load Dispatch Center, Airoli

Daily system Report

for

24/Aug/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 24/Aug/2014 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	82.584	2078.989	1) Gujrat	5.431	128.930
2) Hydro	21.364	402.396	2) Madhya Pradesh	10.343	323.930
3) Gas	10.037	195.440	3) Chattisgarh	5.720	151.440
Total MSGENCO	113.985	2676.825	4) Maharashtra Net	71.499	1861.272
B) 1) JSW JAIGAD	21.592	457.966	(Incl. 765kV Solapur-Raichur)	-2.121	-171.094
2) WPCL	4.721	114.838	5) Goa	-6.289	-144.212
3) ADANI	57.531	1057.623	6) TAPS 1&2 Injection	7.412	177.266
4) Other CPP / IPP	20.919	410.028	7) RGPPL Injection	0.000	0.000
5) Wind Generation	2.999	535.631	8) Pench (Excess)	-0.739	-7.625
6) PENCH (MS)	0.739	7.625	# Total Cent. Sector	93.377	2491.001
7) SOLAR	0.928	20.045	F) Other Exchanges		
C) 1) TPCL Thermal	15.910	358.278	1) With TPCL (Excess)	-23.472	-569.086
2) TPCL Hydro	4.424	111.862	G) Bilateral Power *		
TOTAL TPCL	20.334	470.140	1) MSEDCL Bilateral	37.945	711.882
3) REL Thermal	6.284	288.825	Include PX	0.240	128.289
D) STATE			2) MUMBAI Bilateral	20.255	536.132
1) Thermal (A1+C1+C3)	104.778	2726.092	Include PX	-2.032	37.407
2) Hydro (A2+B6+C2)	26.527	521.883	3) MUMBAI Schedule	25.801	545.977
3) Gas (A3)	10.037	195.440	H) ENERGY CATERED (MUs)		
4) Wind (B5)	2.999	535.631	1) MSEDCL	293.319	7202.496
5) CPP/IPP (B1+B2+B3+B4)	104.763	2040.455	2) TPCL	31.898	841.447
6) SOLAR (B7)	0.928	20.045	3) REL	18.192	486.605
TOTAL STATE	250.032	6039.546	TOTAL STATE	343.409	8530.548

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	3249	3503	3559
MSGENCO Hydro	1911	1257	260
MSGENCO Gas	404	403	434
MSGENCO Total Generation	5564	5163	4253
Central Sector Receipt	4187	3902	3380
WIND	17	89	105
CPP / IPP	4388	4339	4345
SOLAR	145	90	0
Exchange with Mumbai	-1174	-1105	-706
MSEDCL DEMAND MET	13154	12478	11401
Load Shedding	547	814	23
MSEDCL DEMAND	13701	13292	11424
TPCL GENERATION	801	812	751
R-INFRA GENERATION	263	261	263
TPCL+R-INFRA DEMAND	2238	2178	1720
STATE DEMAND MET	15392	14656	13121
STATE DEMAND	15939	15470	13144
Frequency (Hz)	49.84	50.00	49.88

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 16.52 Hrs	49.62 Hz at 04.41 Hrs	49.91	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 24/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	3.57	52.96	161	140	155
Unit 7	3.61	76.88	170	115	158
Total	7.18	129.84			313
Bhusawal					
Unit 2	0.00	23.58	0	0	0
Unit 3	3.30	64.76	145	125	130
Unit 4	0.00	39.45	0	0	0
Unit 5	9.80	198.58	435	350	400
Total	13.10	326.37			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	2.58	68.74	110	106	115
Unit 2	3.16	79.28	155	0	155
Unit 3	3.79	73.18	170	136	155
Unit 4	0.00	66.15	0	0	0
Unit 5	7.15	178.59	414	180	370
Unit 6	6.75	165.45	390	205	360
Unit 7	7.23	169.34	351	233	350
Total	30.66	800.73			1505
Paras					
Unit 3	0.00	36.95	0	0	0
Unit 4	5.12	118.88	225	172	220
Total	5.12	155.83			220
Khaparkheda					
Unit 1	3.56	48.60	170	125	150
Unit 2	3.64	62.40	170	135	150
Unit 3	3.70	92.48	173	144	155
Unit 4	3.61	91.37	159	142	155
Unit 5	7.25	140.04	340	260	300
Total	21.76	434.89			910
Nasik					
Unit 3	3.94	40.62	170	155	190
Unit 4	0.82	88.97	150	0	0
Unit 5	0.00	95.84	0	0	0
Total	4.76	225.43			190
Uran					
All Units	10.04	195.44	436	396	425
Total	10.04	195.44			425
PENCH (MS)					
Pench (MS)	0.74	7.62	54	0	0
Total	0.74	7.62			0
Koyna					
Stage 1-2	5.34	104.01	495	40	600
Stage 4	10.70	150.40	1018	0	250
Stage 3	3.89	67.00	320	0	320
Kovna 12&4 Total	16.04	254.41			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	19.93	321.41			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	6.46	0	0	0
TILLARI	0.17	13.70	58	0	63
BHTGR/VEER	0.11	2.66	5	4	5
BHIRA T.R.	0.41	9.30	70	0	40
RNGR+BHTSA	0.00	0.85	0	0	0
BHANDARDRA	0.48	10.95	20	20	14
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.25	19.32	18	8	15
GHATGHAR	0.00	17.76	0	0	0
Total	1.43	80.99			137
Wind					
MalharPeth	0.10	16.62			
Vankuswadi	0.13	28.16			
ATIT	0.01	4.10			
Kale	0.08	11.87			
Satara	1.58	253.78			
Shirala	0.11	16.23			
K Mahankal	0.01	1.60			
Supa	0.05	4.92			
Vita	0.36	53.84			
Dondaicha	0.31	77.13			
Sakri	0.03	16.14			
Nandurbar	0.09	14.39			
Khandke	0.10	19.54			
Khaparale	0.02	17.31			
Total	3.00	535.63			
CPP					
JSW JAIGAD	21.59	457.97	909	881	545
WARDHA	4.72	114.84	201	186	210
Adani	57.53	1057.62	2501	2309	2451
Other CPPs	20.92	389.99			750
Total	104.76	2020.41			3956
SOLAR					
Total	0.93	19.28			
Total	0.93	19.28			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.92	263.95	502	472	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.47	59.01	116	79	120
Trombay 7B	1.52	35.31	67	55	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.42	111.86	352	90	447
Total	20.33	470.14			1127
REL					
1&2	6.28	288.82	264	245	250
Total	6.28	288.82			250
Cent Sect					
Share					4078
Total					4078
MS PG CL	Thermal	82.58	2078.99		3668
	Thml+Gas	92.62	2274.43		4093
	Hydro	21.36	402.40		1307
	Total	113.98	2676.82		5400
State Total		250.03	6039.55		14811

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 24/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	3575	657	434	4666	113	4346	0	3639	3567	-910	-778	11942	62	12004	2040	14044	49.74
2	3577	496	436	4509	96	4352	0	3654	3580	-916	-890	11674	23	11697	1880	13577	49.76
3	3532	305	434	4271	132	4382	0	3566	3541	-799	-756	11597	23	11620	1785	13405	49.88
4	3559	260	434	4253	105	4345	0	3550	3380	-761	-706	11401	23	11424	1720	13144	49.88
5	3575	169	435	4179	76	4477	0	3542	3530	-745	-707	11580	61	11641	1708	13349	49.81
6	3627	345	424	4396	83	4391	0	3544	3678	-741	-723	11850	131	11981	1770	13751	49.87
7	3594	578	425	4597	89	4408	2	3608	3736	-781	-718	12167	203	12370	1763	14133	49.85
8	3622	654	427	4703	72	4303	26	3708	3830	-867	-810	12177	202	12379	1842	14221	49.91
9	3509	840	426	4775	40	4389	61	3937	4108	-1063	-948	12479	205	12684	1958	14642	49.79
10	3313	1473	414	5200	37	4385	76	4107	4353	-1187	-1038	13063	209	13272	2109	15381	49.91
11	3291	1756	410	5457	22	4284	124	3930	4256	-1433	-1176	12995	237	13232	2236	15468	49.91
12	3249	1911	404	5564	17	4388	145	3957	4187	-1485	-1174	13154	547	13701	2238	15939	49.84
13	3256	1646	407	5309	24	4377	142	3934	4013	-1470	-1146	12744	780	13524	2325	15849	49.88
14	3393	1286	398	5077	21	4373	123	3718	3724	-1392	-1020	12299	754	13053	2251	15304	50.00
15	3461	1257	396	5114	26	4361	103	3755	3757	-1336	-1082	12279	893	13172	2209	15381	50.00
16	3503	1257	403	5163	89	4339	90	3879	3902	-1286	-1105	12478	814	13292	2178	15470	50.00
17	3460	893	406	4759	301	4375	34	3770	4073	-1240	-1095	12447	756	13203	2129	15332	50.05
18	3427	122	412	3961	355	4345	15	3754	4061	-1157	-1030	11707	899	12606	2128	14734	50.07
19	3501	193	411	4105	325	4368	3	3632	4045	-1050	-1048	11821	582	12403	2170	14573	50.01
20	3478	760	415	4653	298	4427	0	3951	4183	-1008	-1200	12415	716	13131	2325	15456	49.99
21	3340	912	417	4669	229	4407	0	3835	4169	-1019	-1071	12457	505	12962	2366	15328	49.95
22	3340	1221	417	4978	150	4351	0	3788	4031	-1059	-1123	12441	284	12725	2376	15101	49.98
23	3181	1287	426	4894	146	4334	0	3818	3861	-1059	-1055	12233	183	12416	2334	14750	49.92
24	3220	1086	426	4732	153	4256	0	3770	3811	-1036	-1073	11933	143	12076	2250	14326	49.94
MUs	82.58	21.36	10.04	113.98	3.00	104.76	0.94	90.35	93.38	-25.80	-23.47	293.33	9.24	302.57	50.09	352.66	49.91

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 24/Aug/2014

Position as on 6.30 Hrs of 25/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	
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	
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.	
Chandrapur Unit 4	210	18/08/2014	07.44		Continued.	Boiler Tube Leakage	
Nasik Unit 4	210	22/08/2014	18.07	24/08/2014	16.55	B.T.L	
Bhusawal Unit 2	210	23/08/2014	04.12	25/08/2014	05.57	flame failure	
REL 2	250	23/08/2014	18.32		Continued.	Over Speed prot.	
Nasik Unit 5	210	23/08/2014	19.30		Continued.	Feed water valve leakage.	
CPP JSW (J) U1	300	23/08/2014	19.49		Continued.	Condenser T/L.	
CPP IPL U-2	270	23/08/2014	23.15		Continued.	Coal Shortage.	
Chandrapur Unit 2	210	24/08/2014	21.28		Continued.	Boiler Tube Leakage.	
Koyna ST - IV 3	250	25/08/2014	01.25	25/08/2014	05.45	D C Supply Fail.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 24/Aug/2014

Position as on 6.30 Hrs of 25/Aug/2014

Name of Generating Unit	Capacity	Tripped Date	Trippe d Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Koyna ST - IV 4	250	25/08/2014	01.38	25/08/2014	06.20	Lower Labyrinth Temp.High.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 24/Aug/2014

Position as on 6.30 Hrs of 25/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	19/08/2014	13.54		Continued.	Over Voltage.
Kolhapur - Mapusa - II	23/08/2014	17.50		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.
Padgha - Kharghar	24/08/2014	07.00	24/08/2014	12.13	Attending Hot Spot on C Bus R Ph PG Clam.
400/220 KV 300 MVA ICT-I @ Koradi	24/08/2014	12.36	24/08/2014	15.05	For Checking NDR Relay & Ckt Checking Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Jaigad I	21/08/2014	16.05		Continued.	Over Voltage.
Bhusawal- Aurangabad	21/08/2014	17.36		Continued.	Over Voltage.
Karad - Kolhapur - II	23/08/2014	16.42		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	24/08/2014	23.23		Continued.	Over Voltage.
New Koyna - Dabhol - I	25/08/2014	01.25		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
Hingoli-Girawali	24/08/2014	06.00	24/08/2014	06.50	Distance Protection Operated,Z-I,B Ph, Tripped @ Hingoli End Only.
Kanhan - Bhandara - I	24/08/2014	16.15	24/08/2014	16.31	Distance Protection Operated,Z-I,B Ph to Earth,PDR Optd @ Bhandara,A/R Successful @ Kanhan End.
Chinchwad - Parvati	25/08/2014	05.17	25/08/2014	05.30	Distance Protection,R Ph to Earth.
Voltage Level : 132KV			Outage Type TRIPPED		
Paithan-Rajpimpri	23/08/2014	17.44		Continued.	R-Ph PT Fuse failed.
Padegaon-Canpack	23/08/2014	20.53	24/08/2014	01.30	Dist.Prot.
Girwali - Gangakhed	24/08/2014	18.35	24/08/2014	18.50	Distance Protection Operated,Z-I,R Ph.
Voltage Level : 100KV			Outage Type TRIPPED		
Kandalgaon-Roha-I	24/08/2014	17.05	24/08/2014	17.45	Distance Protection,Z-I,R Ph, Due to Heavy Rain & Lighting.
Kandalgaon-Roha-II	24/08/2014	17.05	24/08/2014	17.55	Distance Protection,Z-I,R Ph, Due to Heavy Rain & Lighting.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 25/Aug/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	150
	620	290
Bhusawal		
Unit 2	210	100
Unit 3	210	123
Unit 4	500	0
Unit 5	500	427
	1420	650
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	115
Unit 2	210	0
Unit 3	210	170
Unit 4	210	0
Unit 5	500	425
Unit 6	500	300
Unit 7	500	350
	2340	1360
Paras		
Unit 3	250	0
Unit 4	250	230
	500	230
Khaparkheda		
Unit 1	210	170
Unit 2	210	170
Unit 3	210	170
Unit 4	210	170
Unit 5	500	325
	1340	1005
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	0
	630	380
Uran		
All Units	852	420
	852	420
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	58
BHTGR/VEER	21	5
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	10
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	123
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	2456
Other CPPs	300	745
	4545	4235
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	250
	500	250
Cent Sect		
Share	3455	4181
	3455	4181