



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

State Load Dispatch Center, Airoli

Daily system Report

for

29/Aug/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 29/Aug/2014 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	84.638	2512.889	1) Gujrat	-3.863	146.966
2) Hydro	9.603	454.294	2) Madhya Pradesh	7.697	365.548
3) Gas	9.977	245.679	3) Chattisgarh	7.150	182.800
Total MSGENCO	104.218	3212.862	4) Maharashtra Net	78.325	2248.680
B) 1) JSW JAIGAD	27.915	583.711	(Incl. 765kV Solapur-Raichur)	-1.640	-180.335
2) WPCL	4.640	139.494	5) Goa	-4.046	-172.961
3) ADANI	26.600	1266.439	6) TAPS 1&2 Injection	7.421	214.262
4) Other CPP / IPP	18.069	506.005	7) RGPPL Injection	0.000	0.000
5) Wind Generation	6.309	577.567	8) Pench (Excess)	-0.204	-10.689
6) PENCH (MS)	0.204	10.689	# Total Cent. Sector	92.480	2974.606
7) SOLAR	0.715	23.406	F) Other Exchanges		
C) 1) TPCL Thermal	15.398	436.240	1) With TPCL (Excess)	-19.068	-688.455
2) TPCL Hydro	3.198	141.709	G) Bilateral Power *		
TOTAL TPCL	18.596	577.949	1) MSEDCL Bilateral	26.271	845.653
3) REL Thermal	12.268	341.993	Include PX	0.000	134.971
D) STATE			2) MUMBAI Bilateral	15.168	640.481
1) Thermal (A1+C1+C3)	112.304	3291.122	Include PX	-2.072	34.121
2) Hydro (A2+B6+C2)	13.005	606.692	3) MUMBAI Schedule	15.546	661.931
3) Gas (A3)	9.977	245.679	H) ENERGY CATERED (MUs)		
4) Wind (B5)	6.309	577.567	1) MSEDCL	262.082	8606.324
5) CPP/IPP (B1+B2+B3+B4)	77.224	2495.649	2) TPCL	31.426	1020.542
6) SOLAR (B7)	0.715	23.406	3) REL	18.505	587.852
TOTAL STATE	219.534	7240.115	TOTAL STATE	312.013	10214.718

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	3624	3544	3359
MSGENCO Hydro	177	1189	105
MSGENCO Gas	414	416	418
MSGENCO Total Generation	4215	5149	3882
Central Sector Receipt	4458	4310	3514
WIND	109	311	347
CPP / IPP	3423	2947	3269
SOLAR	89	0	0
Exchange with Mumbai	-1054	-804	-397
MSEDCL DEMAND MET	11240	11937	10615
Load Shedding	53	56	52
MSEDCL DEMAND	11293	11993	10667
TPCL GENERATION	681	1092	756
R-INFRA GENERATION	522	522	524
TPCL+R-INFRA DEMAND	2257	2418	1677
STATE DEMAND MET	13497	14355	12292
STATE DEMAND	13550	14411	12344
Frequency (Hz)	49.91	49.88	49.72

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.16 Hz at 06.02 Hrs	49.61 Hz at 04.14 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 29/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	3.27	70.21	147	124	135
Unit 7	3.27	94.97	161	120	130
Total	6.54	165.18			265
Bhusawal					
Unit 2	0.00	26.14	0	0	0
Unit 3	3.09	80.69	140	115	122
Unit 4	0.00	39.45	0	0	0
Unit 5	9.57	246.11	430	350	382
Total	12.66	392.39			504
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	0.00	76.96	0	0	0
Unit 2	3.37	86.58	147	134	140
Unit 3	3.62	91.43	161	134	165
Unit 4	0.00	73.48	0	0	0
Unit 5	7.04	219.31	355	225	225
Unit 6	7.29	203.51	360	250	280
Unit 7	6.77	206.91	349	252	270
Total	28.08	958.18			1080
Paras					
Unit 3	0.00	36.95	0	0	0
Unit 4	4.61	143.54	210	180	230
Total	4.61	180.50			230
Khaparkheda					
Unit 1	2.54	57.94	160	0	170
Unit 2	3.41	79.65	175	115	170
Unit 3	3.58	111.18	160	136	170
Unit 4	3.65	109.51	156	147	170
Unit 5	7.42	175.46	340	265	325
Total	20.59	533.74			1005
Nasik					
Unit 3	3.94	60.56	185	125	190
Unit 4	4.15	108.90	193	153	180
Unit 5	4.06	107.54	183	150	180
Total	12.16	277.00			550
Uran					
All Units	9.98	245.68	422	409	425
Total	9.98	245.68			425
PENCH (MS)					
Pench (MS)	0.20	10.69	26	0	
Total	0.20	10.69			
Koyna					
Stage 1-2	2.08	117.22	390	40	600
Stage 4	2.79	165.98	560	0	250
Stage 3	1.14	75.40	160	0	320
Kovna 12&4 Total	4.88	283.20			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	6.01	358.60			1170
Hydro					
KDPH	0.00	0.00	0	0	
VTRNA	0.00	6.69	0	0	0
TILLARI	0.70	15.75	64	0	60
BHTGR/VEER	0.22	3.40	10	9	
BHIRA T.R.	0.45	11.55	82	0	40
RNGR+BHTSA	0.06	0.97	3	2	
BHANDARDRA	0.46	13.25	27	14	20
ELDARY	0.00	0.00	0	0	
SMLHY PTN	0.74	21.72	39	28	15
GHATGHAR	0.96	22.36	250	0	
Total	3.59	95.69			135
Wind					
MalharPeth	0.15	17.86			
Vankuswadi	0.16	29.92			
ATIT	0.02	4.29			
Kale	0.10	12.62			
Satara	1.99	270.15			
Shirala	0.14	17.23			
K Mahankal	0.01	1.72			
Supa	0.10	5.39			
Vita	0.65	58.06			
Dondaicha	1.91	86.95			
Sakri	0.23	17.34			
Nandurbar	0.34	16.00			
Khandke	0.34	21.26			
Khaparale	0.17	18.78			
Total	6.31	577.57			
CPP					
JSW JAIGAD	27.92	583.71	1206	1051	1099
WARDHA	4.64	139.49	205	173	205
Adani	26.60	1266.44	1320	446	1296
Other CPPs	18.07	485.96			745
Total	77.22	2475.61			3345
SOLAR					
Total	0.72	22.64			
Total	0.72	22.64			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.38	321.92	501	327	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.50	71.44	115	79	120
Trombay 7B	1.52	42.87	67	55	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	3.20	141.71	423	0	447
Total	18.60	577.95			1127
REL					
1&2	12.27	341.99	524	455	500
Total	12.27	341.99			500
Cent Sect					
Share					4505
Total					4505
MS PG CL	Thermal	84.64	2512.89		3634
	Thml+Gas	94.62	2758.57		4059
	Hydro	9.60	454.29		1305
	Total	104.22	3212.86		5364
State Total		219.53	7240.12		14841

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 29/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	3414	223	418	4055	261	3428	0	3944	3955	-496	-559	11140	80	11220	1968	13188	49.96
2	3428	114	418	3960	324	3369	0	3870	3841	-376	-466	11028	52	11080	1814	12894	49.89
3	3434	108	418	3960	335	3389	0	3793	3571	-384	-490	10765	52	10817	1689	12506	49.90
4	3383	103	417	3903	304	3250	0	3702	3733	-361	-448	10742	52	10794	1657	12451	49.89
5	3359	105	418	3882	347	3269	0	3672	3514	-334	-397	10615	52	10667	1677	12344	49.72
6	3421	105	420	3946	309	3397	0	3862	3678	-377	-459	10871	54	10925	1764	12689	49.84
7	3493	258	419	4170	275	3386	4	4005	3712	-424	-528	11019	55	11074	1801	12875	49.90
8	3597	286	422	4305	287	3440	17	4259	3889	-524	-655	11283	55	11338	1867	13205	49.91
9	3554	305	417	4276	309	3459	55	4446	3838	-731	-839	11098	54	11152	1996	13148	49.88
10	3597	247	415	4259	218	3438	89	4480	4129	-839	-927	11206	52	11258	2137	13395	49.99
11	3654	246	413	4313	161	3429	111	4618	4160	-830	-1043	11131	52	11183	2255	13438	50.00
12	3624	177	414	4215	109	3423	89	4304	4458	-805	-1054	11240	53	11293	2257	13550	49.91
13	3664	152	409	4225	115	3348	134	4024	4112	-778	-1062	10872	107	10979	2265	13244	49.97
14	3654	137	410	4201	166	3312	94	3617	3786	-732	-1051	10531	55	10586	2158	12744	50.02
15	3686	145	412	4243	243	3151	55	3753	3355	-700	-1103	9970	55	10025	2139	12164	49.99
16	3565	158	411	4134	314	3317	28	3667	3530	-684	-1176	10160	58	10218	2142	12360	49.97
17	3435	328	410	4173	372	3270	26	2958	3304	-668	-1063	10082	58	10140	2132	12272	49.91
18	3497	584	415	4496	221	3138	12	2851	3007	-827	-970	9929	58	9987	2209	12196	49.89
19	3491	1028	415	4934	257	3033	1	3685	3780	-765	-921	11104	61	11165	2306	13471	49.94
20	3523	1137	416	5076	292	3031	0	4189	4108	-846	-818	11713	60	11773	2411	14184	49.85
21	3544	1189	416	5149	311	2947	0	4188	4310	-825	-804	11937	56	11993	2418	14411	49.88
22	3508	1080	417	5005	252	2749	0	4135	4352	-795	-762	11621	55	11676	2387	14063	49.92
23	3537	941	418	4896	285	2657	0	4127	3985	-777	-732	11108	54	11162	2298	13460	49.89
24	3576	447	419	4442	242	2594	0	4237	4372	-669	-741	10916	54	10970	2185	13155	49.96
MUs	84.64	9.60	9.98	104.22	6.31	77.22	0.72	94.39	92.48	-15.55	-19.07	262.08	1.39	263.48	49.93	313.41	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 29/Aug/2014

Position as on 6.30 Hrs of 30/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.	
CPP IPL U-2	270	23/08/2014	23.15		Continued.	Coal Shortage.	
Bhusawal Unit 2	210	26/08/2014	04.12		Continued.	Flame Failure.	
Khaparkheda Unit 1	210	26/08/2014	23.46	29/08/2014	05.19	Bolier Water Wall tube leakage.	
CPP Adani U-4	660	27/08/2014	12.41		Continued.	Coal Shortage.	
Chandrapur Unit 1	210	28/08/2014	07.15		Continued.	BLR T/L.	
Chandrapur Unit 4	210	28/08/2014	20.59		Continued.	BLR T/L.	
CPP Adani U-3	660	29/08/2014	17.31		Continued.	Billing issues between Adani and MSEDCL.	
CPP Adani U-2	660	29/08/2014	22.12		Continued.	Billing issues between Adani and MSEDCL.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Aug/2014

Position as on 6.30 Hrs of 30/Aug/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Aurangabad (M) 400KV Aurangabad (PG) - I	29/08/2014	12.06	29/08/2014	15.42	Red hot on dropper R-Ph CT.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dabhol-Nagothane - II	19/08/2014	13.54		Continued.	Over Voltage.
Kolhapur-Mapusa-II	26/08/2014	16.28		Continued.	Over Voltage.
Lonikand - Talegaon(PG)	28/08/2014	21.30	29/08/2014	21.16	Due to problem at Lonikand end.
Kolhapur-Solapur(PGCIL)-I	28/08/2014	23.49		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	30/08/2014	00.03		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur-Solapur (PG) II	30/08/2014	01.38	30/08/2014	06.25	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/200 KV 500 MVA ICT - II Main Bay(414) @ Deepnagar	26/08/2014	12.50		Continued.	Bus CT Errection Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
New Koyna - Dabhol - I	25/08/2014	01.25		Continued.	Over Voltage.
Karad - Kolhapur - II	25/08/2014	19.06	30/08/2014	06.59	Over Voltage.
Bhusawal- Aurangabad	26/08/2014	18.05	29/08/2014	11.22	Over Voltage.
Lonikand- Koyna Stage IV	28/08/2014	23.22		Continued.	Over Voltage.
Bhusawal- Aurangabad	29/08/2014	16.19		Continued.	Over Voltage.
Akola-II - Taptithanda	29/08/2014	21.57		Continued.	Over Voltage.
Karad - Lonikand	29/08/2014	23.13		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Murud - Girawli.	27/08/2014	06.26		Continued.	To Control Parly ICT Loading.
Badnera - Deoli (PGCIL)	28/08/2014	19.20	29/08/2014	20.25	To control O/D.
Voltage Level : 400KV			Outage Type TRIPPED		
Karad-Jaigad I	28/08/2014	15.47		Continued.	PDR.
Deepnagar-Tapitatanda	29/08/2014	21.57		Continued.	Over Voltage.
Karad - Kolhapur - I	30/08/2014	01.38		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 -	18/07/2014	02.37		Continued.	Diff.Prot

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 29/Aug/2014

Position as on 6.30 Hrs of 30/Aug/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
I at Padgha					
220/66 KV 150 MVA ICT- I @ Gadchandur	27/08/2014	20.03	29/08/2014	13.48	Bucchohz Protection Optd.
Khaparkheda - Suryalaxmi	28/08/2014	17.20	29/08/2014	16.20	R-Ph wave trap hanging support broken.
Lamboti - Karkumb	29/08/2014	22.51	29/08/2014	23.25	Dist.Prot.transient fault R-Ph to E.
Voltage Level : 132KV			Outage Type TRIPPED		
Paithan-Rajpimpri	23/08/2014	17.44		Continued.	R-Ph PT Fuse failed.
Himayatnagar-Kinwat	29/08/2014	05.25	29/08/2014	05.42	Dist.Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 30/Aug/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	150
	620	300
Bhusawal		
Unit 2	210	0
Unit 3	210	117
Unit 4	500	0
Unit 5	500	402
	1420	519
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	0
Unit 2	210	150
Unit 3	210	165
Unit 4	210	0
Unit 5	500	325
Unit 6	500	300
Unit 7	500	300
	2340	1240
Paras		
Unit 3	250	0
Unit 4	250	250
	500	250
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	180
Unit 5	210	180
	630	550
Uran		
All Units	852	425
	852	425
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	40
RNGR+BHTSA	20	2
BHANDARDRA	45	20
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	135
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	1099
WARDHA	405	171
Adani	2640	432
Other CPPs	300	745
	4545	2447
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	4415
	3455	4415