



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

State Load Dispatch Center, Airoli

Daily system Report

for

26/Mar/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 26/Mar/2014 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	134.272	3219.984	1) Gujrat	6.991	-0.904
2) Hydro	23.363	344.944	2) Madhya Pradesh	24.981	523.490
3) Gas	6.564	170.198	3) Chattisgarh	9.640	236.380
Total MSGENCO	164.199	3735.126	4) Maharashtra Net	90.800	1965.006
B) 1) JSW JAIGAD	12.051	369.925	(Incl. 765kV Solapur-Raichur)	-1.958	-36.306
2) WPCL	4.889	111.825	5) Goa	-6.404	-155.734
3) ADANI	37.786	857.789	6) TAPS 1&2 Injection	7.473	179.053
4) Other CPP / IPP	14.108	443.667	7) RGPPL Injection	0.000	0.000
5) Wind Generation	4.668	148.558	8) Pench (Excess)	-0.164	-5.998
6) PENCH (MS)	0.164	5.998	# Total Cent. Sector	133.317	2741.293
7) SOLAR	1.188	27.770	F) Other Exchanges		
C) 1) TPCL Thermal	14.286	376.857	1) With TPCL (Excess)	-26.304	-594.094
2) TPCL Hydro	5.771	92.013	G) Bilateral Power *		
TOTAL TPCL	20.057	468.870	1) MSEDCL Bilateral	17.180	331.235
3) REL Thermal	12.154	303.174	Include PX	-0.510	-109.119
D) STATE			2) MUMBAI Bilateral	22.411	502.484
1) Thermal (A1+C1+C3)	160.712	3900.015	Include PX	12.503	156.140
2) Hydro (A2+B6+C2)	29.298	442.955	3) MUMBAI Schedule	22.411	502.587
3) Gas (A3)	6.564	170.198	H) ENERGY CATERED (MUs)		
4) Wind (B5)	4.668	148.558	1) MSEDCL	346.066	7847.857
5) CPP/IPP (B1+B2+B3+B4)	68.834	963.203	2) TPCL	37.467	876.098
6) SOLAR (B7)	1.188	27.770	3) REL	21.052	489.977
TOTAL STATE	271.264	5652.699	TOTAL STATE	404.585	9213.932

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5647	5687	5281
MSGENCO Hydro	2022	1931	207
MSGENCO Gas	285	283	253
MSGENCO Total Generation	7954	7901	5741
Central Sector Receipt	5950	5679	5295
WIND	40	118	341
CPP / IPP	2767	2818	2900
SOLAR	166	67	0
Exchange with Mumbai	-1359	-1320	-785
MSEDCL DEMAND MET	15518	15266	13492
Load Shedding	925	480	170
MSEDCL DEMAND	16443	15746	13662
TPCL GENERATION	1101	1094	502
R-INFRA GENERATION	520	520	388
TPCL+R-INFRA DEMAND	2980	2934	1675
STATE DEMAND MET	18498	18200	15167
STATE DEMAND	19423	18680	15337
Frequency (Hz)	50.00	49.94	50.06

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.3 Hz at 05.56 Hrs	49.61 Hz at 23.59 Hrs	50.01	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 26/Mar/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	3.28	85.51	159	105	120
Unit 7	3.51	83.99	172	120	130
Total	6.78	169.50			250
Bhusawal					
Unit 2	1.40	64.94	130	0	140
Unit 3	3.24	72.98	145	125	140
Unit 4	10.08	188.79	510	355	430
Unit 5	8.61	213.20	400	320	372
Total	23.33	539.90			1082
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	1.38	76.86	172	0	0
Unit 5	0.00	62.34	0	0	0
Unit 6	4.72	104.55	250	179	180
Unit 7	4.72	119.30	250	180	180
Total	10.83	363.04			360
Chandrapur					
Unit 1	3.23	83.59	142	129	150
Unit 2	3.91	88.16	169	152	165
Unit 3	4.22	101.63	184	166	190
Unit 4	4.83	117.38	206	179	210
Unit 5	10.52	230.84	473	351	470
Unit 6	9.97	211.94	450	350	450
Unit 7	6.76	162.56	386	250	350
Total	43.46	996.09			1985
Paras					
Unit 3	4.69	109.67	215	182	200
Unit 4	4.91	131.53	221	183	200
Total	9.60	241.20			400
Khaparkheda					
Unit 1	4.08	96.90	185	130	180
Unit 2	3.80	92.02	185	110	180
Unit 3	4.24	104.27	188	125	185
Unit 4	4.46	63.51	213	141	210
Unit 5	10.81	258.78	505	380	500
Total	27.39	615.48			1255
Nasik					
Unit 3	4.16	93.50	180	165	180
Unit 4	4.45	103.13	193	176	190
Unit 5	4.28	98.13	190	162	190
Total	12.89	294.76			560
Uran					
All Units	6.56	170.20	289	243	220
Total	6.56	170.20			220
PENCH (MS)					
Pench (MS)	0.16	6.00	47	0	
Total	0.16	6.00			
Koyna					
Stage 1-2	4.58	83.89	525	45	600
Stage 4	9.93	102.64	1120	0	250
Stage 3	3.26	41.06	318	0	320
Kovna 12&4 Total	14.51	186.53			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	17.78	227.60			1170
Hydro					
KDPH	0.64	13.74	36	17	36
VTRNA	1.23	11.29	61	0	61
TILLARI	0.38	10.24	63	0	64
BHTGR/VEER	0.08	0.49	4	3	3
BHIRA T.R.	0.25	4.54	41	0	40
RNGR+BHTSA	0.34	8.43	15	14	15
BHANDARDRA	0.00	8.48	0	0	0
ELDARY	0.36	2.49	15	14	
SMLHY PTN	1.18	22.90	49	49	15
GHATGHAR	1.14	34.74	250	0	
Total	5.59	117.35			234
Wind					
MalharPeth	0.15	5.56			
Vankuswadi	0.30	9.70			
ATIT	0.03	2.08			
Kale	0.11	2.64			
Satara	1.01	35.66			
Shirala	0.14	3.41			
K Mahankal	0.02	1.36			
Supa	0.06	3.01			
Vita	0.82	19.82			
Dondaicha	1.38	42.15			
Sakri	0.18	5.04			
Nandurbar	0.20	4.00			
Khandke	0.17	7.11			
Khaparale	0.11	7.01			
Total	4.67	148.56			
CPP					
JSW JAIGAD	12.05	369.92	565	486	507
WARDHA	4.89	111.82	216	190	107
Adani	37.79	857.79	1756	1346	1234
Other CPPs	14.11	443.67			245
Total	68.83	1783.21			2093
SOLAR					
Total	1.19	27.77			
Total	1.19	27.77			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.78	264.54	442	319	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.87	70.93	126	114	120
Trombay 7B	1.64	41.39	70	66	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.77	92.01	471	0	447
Total	20.06	468.87			1127
REL					
1&2	12.15	303.17	524	388	500
Total	12.15	303.17			500
Cent Sect					
Share					5855
Total					5855
MS PG CL	Thermal	134.27	3219.98		5892
	Thml+Gas	140.84	3390.18		6112
	Hydro	23.36	344.94		1404
	Total	164.20	3735.13		7516
State Total		271.26	5652.70		17091

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 26/Mar/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	5621	509	243	6373	279	2720	0	5286	5627	-816	-972	14027	104	14131	2065	16196	50.00
2	5378	254	251	5883	253	2884	0	5169	5185	-698	-863	13342	150	13492	1859	15351	50.01
3	5365	244	253	5862	370	3015	0	4861	5375	-623	-850	13772	162	13934	1741	15675	50.05
4	5281	207	253	5741	341	2900	0	4882	5295	-621	-785	13492	170	13662	1675	15337	50.06
5	5412	225	253	5890	437	2991	0	4875	4861	-609	-700	13479	182	13661	1678	15339	50.14
6	5520	234	253	6007	395	3086	0	5208	5429	-636	-653	14264	394	14658	1766	16424	50.15
7	5560	248	254	6062	340	2833	5	5291	5307	-663	-743	13804	920	14724	1885	16609	49.99
8	5625	712	253	6590	208	2656	28	5284	5427	-707	-823	14086	977	15063	2022	17085	50.03
9	5739	956	260	6955	168	2580	72	5363	5538	-815	-957	14356	864	15220	2307	17527	50.01
10	5923	1502	286	7711	146	2771	114	5497	5806	-1013	-1165	15383	601	15984	2657	18641	50.07
11	5969	1799	284	8052	105	2753	137	5675	5848	-1190	-1355	15540	625	16165	2900	19065	50.02
12	5822	2146	285	8253	56	2659	164	5840	5898	-1288	-1364	15666	769	16435	2980	19415	50.05
13	5647	2022	285	7954	40	2767	166	5826	5950	-1306	-1359	15518	925	16443	2980	19423	50.00
14	5642	1947	285	7874	31	2697	157	5738	5928	-1214	-1320	15367	805	16172	2885	19057	50.02
15	5608	2014	285	7907	34	2768	139	5735	5991	-1219	-1348	15491	605	16096	2937	19033	49.96
16	5676	2122	285	8083	43	2769	109	5690	6181	-1231	-1325	15860	511	16371	2943	19314	49.94
17	5687	1931	283	7901	118	2818	67	5552	5679	-1123	-1320	15266	480	15746	2934	18680	49.94
18	5706	917	287	6910	129	2910	28	4768	4866	-845	-1276	13588	582	14170	2876	17046	50.09
19	5652	270	287	6209	174	2886	2	4850	5018	-904	-1210	13126	293	13419	2759	16178	49.90
20	5608	956	287	6851	158	3023	0	5377	5684	-1087	-1198	14565	157	14722	2814	17536	49.94
21	5486	772	288	6546	176	3093	0	5263	5622	-1013	-1112	14340	126	14466	2700	17166	49.99
22	5530	384	288	6202	201	3076	0	5243	5538	-923	-1188	13844	116	13960	2458	16418	49.96
23	5448	423	289	6160	245	3087	0	5179	5607	-967	-1241	13873	104	13977	2393	16370	49.91
24	5367	569	287	6223	221	3092	0	5108	5657	-900	-1177	14017	90	14107	2301	16408	49.91
MUs	134.27	23.36	6.56	164.20	4.67	68.83	1.19	127.56	133.32	-22.41	-26.30	346.07	10.71	356.78	58.52	415.29	50.01

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 26/Mar/2014

Position as on 6.30 Hrs of 27/Mar/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	
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	
Tata Trombay 6	500	19/07/2013	23.54		Continued.	Economic shut down.	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
CPP VIPL	300	02/10/2013	00.45		Continued.	Turbine bearing vibration high.	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Uran Unit 8	108	03/01/2014	14.06		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	
Koradi Unit 5	200	23/02/2014	04.04		Continued.	ID Fan Problem.	
CPP JSW (J) U2	300	28/02/2014	17.52		Continued.	No Schedule.	
CPP JSW (J) U1	300	12/03/2014	12:00		Continued.	Condensor Tube Leakage.	
Uran Unit 6	108	16/03/2014	08.03		Continued.	gas shortage	
CPP Adani U-2	660	20/03/2014	11.32		Continued.	BTL.	
Parli Unit 4	210	24/03/2014	00.01	26/03/2014	13.22	Coal Shortage.	
Parli Unit 5	210	25/03/2014	12.18		Continued.	Stator Earth Fault	
CPP Dhariwal	300	26/03/2014	03.13		Continued.	Maintenance work	
Bhusawal Unit 2	210	26/03/2014	10.55		Continued.	Boiler Tube Leakage	
Koyna Unit 7	80	26/03/2014	22.05	27/03/2014	04.40	P.M.Work	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 26/Mar/2014

Position as on 6.30 Hrs of 27/Mar/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 500KV			Outage Type HAND TRIPPED		
765KV Akola II - Tiroda - I	23/03/2014	17.18		Continued.	Hand Tripped.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	25/03/2014	17.09	26/03/2014	09.25	Over Voltage
Dhule-Sar'Sarovar - I	25/03/2014	21.14	26/03/2014	07.11	Over Voltage
Dhule-Sar'Sarovar - II	27/03/2014	02.16	27/03/2014	08.36	Over Voltage
Kolhapur - Mapusa - I	27/03/2014	16.45		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
New Koyna - Karad - I	19/03/2014	07.45		Continued.	Taken on TBC Attending air Leakage problem of CB.
400/220 KV 300 MVA ICT-I @ Koradi	19/03/2014	12.30		Continued.	Repl.Of Y Phase ICT-I(Up to 28-3-14)
400/220 KV 315 MVA ICT-I @ Nagothane	24/03/2014	11.45		Continued.	Taken on TBC.
400/220KV 315MVA ICT-I at Kharghar	26/03/2014	06.37	26/03/2014	10.45	Hot Spot
Khadka - Deepnagar - II	27/03/2014	09.36	27/03/2014	11.45	Tan Delta & Testing of CT's.
New Koyna-Karad-II	27/03/2014	10.10	27/03/2014	19.16	Testing Work.
Bableshtar-Aurangabad	27/03/2014	10.29		Continued.	Taken on TBC @ Bblsr End,Main Bkr Overhauling Work 2 Days.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Boiser-Versova	25/03/2014	22.18	26/03/2014	06.07	Relay replacement work
Apta-Uran-III	26/03/2014	08.29	26/03/2014	19.23	Repl.Disc Insulator
Dondaicha - Jamde - I	26/03/2014	09.26	26/03/2014	14.52	Stringing work of 765KV Dhule-Vadodara
Dondaicha - Jamde - II.	26/03/2014	09.26	26/03/2014	14.52	Stringing work of 765KV Dhule-Vadodara
Bale - Lamboti I	26/03/2014	10.28	26/03/2014	12.22	Jumper Replacement work
Mudshini - Talangade - II	26/03/2014	10.35	26/03/2014	15.02	Q.M.Work
Bale-Usmanabad	26/03/2014	13.17	26/03/2014	19.37	C.T.Replacement work
Vita - Pandharpur	26/03/2014	16.50	26/03/2014	22.26	Making LILO at 220KV Hiwarwadi S/S
Dahanu-Bhoisor	26/03/2014	22.10	27/03/2014	04.07	Relay replacement work
Nivali-Pawas	27/03/2014	08.20		Continued.	Replacement of Ckt Bkr.
Bhosari-Telco	27/03/2014	08.20	27/03/2014	18.57	Bus Section - I Outage.
Bus Section - I @ Telco	27/03/2014	08.30	27/03/2014	18.57	Bus Side Isolator Replacement Under JICA-2.
220/132 KV 200MVA ICT I at Girwali	27/03/2014	09.48	27/03/2014	13.59	Tan Delta & SFRA Testing Work.
Nanded - Ghatodi	27/03/2014	09.48	27/03/2014	13.59	Alingment of Earth Blade of Isolator
Pusad - Ghatodi	27/03/2014	10.13	27/03/2014	13.19	Alingment of Earth Blade of Isolator.
220/132 KV 100 MVA ICT - II @ Sawangi	27/03/2014	10.45	27/03/2014	12.30	Measurment of Capacitance & Diagnostic Test of CT's.
Sahara-B'dying	27/03/2014	11.13	27/03/2014	20.20	Line Maintenance for One Day.
Lonikand-Theur - I	27/03/2014	15.09	27/03/2014	20.55	CT & LA Replacement Under JICA.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Uran-Kharghar-II	27/03/2014	12.19	27/03/2014	18.19	Mechanism Problem.
Lonikand -Theur - II	27/03/2014	12.41	27/03/2014	13.59	Hot Spot.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 26/Mar/2014

Position as on 6.30 Hrs of 27/Mar/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 400KV			Outage Type HAND TRIPPED		
New Koyna - Dabhol - I	06/02/2014	00.02		Continued.	Over Voltage.(RFC 20.35 Hrs on 16.02.14)
Karad - Kolhapur - II	25/03/2014	16.39	26/03/2014	07.03	Over Voltage
Karad-Jaigad I	25/03/2014	16.41	26/03/2014	08.53	Over Voltage
Bhusawal- Aurangabad	25/03/2014	17.38	26/03/2014	06.50	Over Voltage
Karad-Jaigad I	26/03/2014	15.30	27/03/2014	07.05	Over Voltage
Bhusawal- Aurangabad	26/03/2014	18.10	27/03/2014	07.07	Over Voltage
Karad - Kolhapur - II	27/03/2014	01.10	27/03/2014	07.02	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	18/03/2014	13.15		Continued.	Distance Protection(RFC 17.35Hrs)
400/220 KV 600 MVA ICT - IV @ Padgha	27/03/2014	13.34	27/03/2014	13.54	During Scada Testing Work.
Voltage Level : 220KV			Outage Type TRIPPED		
Chikhali - Jalna - I	16/03/2014	20.10		Continued.	y phase CT Burst,Bus Bar Prot.operated
Chikhali - Jalna - II	16/03/2014	20.10		Continued.	Bus Bar Prot.Operated

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 27/Mar/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	155
	620	305
Bhusawal		
Unit 2	210	0
Unit 3	210	140
Unit 4	500	430
Unit 5	500	372
	1420	942
Parli		
Unit 3	210	0
Unit 4	210	179
Unit 5	210	0
Unit 6	250	180
Unit 7	250	180
	1130	539
Chandrapur		
Unit 1	210	150
Unit 2	210	165
Unit 3	210	190
Unit 4	210	210
Unit 5	500	400
Unit 6	500	450
Unit 7	500	400
	2340	1965
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
Khaparkheda		
Unit 1	210	140
Unit 2	210	140
Unit 3	210	150
Unit 4	210	210
Unit 5	500	500
	1340	1140
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	300
	852	300
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	36
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	3
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	0
GHATGHAR	250	0
	611	230
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	507
WARDHA	405	220
Adani	1980	1234
Other CPPs	300	245
	3885	2206
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	5929
	3455	5929