



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

State Load Dispatch Center, Airoli

Daily system Report

for

26/Jan/2014

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	113.385	3017.511	1) Gujrat	2.991	144.239
2) Hydro	6.120	477.012	2) Madhya Pradesh	15.769	516.046
3) Gas	7.579	168.252	3) Chattisgarh	7.260	240.080
Total MSGENCO	127.084	3662.775	4) Maharashtra Net	73.973	2075.836
B) 1) JSW JAIGAD	16.949	505.882	(Incl. 765kV Solapur-Raichur)	0.159	-4.866
2) WPCL	5.302	112.571	5) Goa	-4.662	-145.850
3) ADANI	37.410	902.930	6) TAPS 1&2 Injection	7.610	197.817
4) Other CPP / IPP	12.933	320.164	7) RGPPL Injection	0.000	0.000
5) Wind Generation	6.691	101.056	8) Pench (Excess)	-0.389	-3.022
6) PENCH (MS)	0.389	7.770	# Total Cent. Sector	102.552	3025.146
7) SOLAR	0.948	21.272	F) Other Exchanges		
C) 1) TPCL Thermal	14.092	403.342	1) With TPCL (Excess)	-19.264	-485.258
2) TPCL Hydro	0.336	105.369	G) Bilateral Power *		
TOTAL TPCL	14.428	508.711	1) MSEDCL Bilateral	16.224	445.398
3) REL Thermal	6.397	181.036	Include PX	0.000	-18.787
D) STATE			2) MUMBAI Bilateral	11.180	399.806
1) Thermal (A1+C1+C3)	133.874	3601.889	Include PX	2.397	152.856
2) Hydro (A2+B6+C2)	6.845	590.151	3) MUMBAI Schedule	12.945	427.313
3) Gas (A3)	7.579	168.252	H) ENERGY CATERED (MUs)		
4) Wind (B5)	6.691	101.056	1) MSEDCL	290.994	8174.308
5) CPP/IPP (B1+B2+B3+B4)	72.594	976.027	2) TPCL	26.091	777.206
6) SOLAR (B7)	0.948	21.272	3) REL	13.998	397.773
TOTAL STATE	228.531	5458.647	TOTAL STATE	331.083	9349.287

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 9 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5146	4655	4593
MSGENCO Hydro	162	138	146
MSGENCO Gas	318	312	334
MSGENCO Total Generation	5626	5105	5073
Central Sector Receipt	5032	4328	3923
WIND	324	262	250
CPP / IPP	3350	2838	2718
SOLAR	38	0	0
Exchange with Mumbai	-703	-1035	-387
MSEDCL DEMAND MET	13712	11550	11603
Load Shedding	97	82	56
MSEDCL DEMAND	13809	11632	11659
TPCL GENERATION	692	614	670
R-INFRA GENERATION	261	388	260
TPCL+R-INFRA DEMAND	1656	2037	1317
STATE DEMAND MET	15368	13587	12920
STATE DEMAND	15465	13669	12976
Frequency (Hz)	49.98	50.00	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.3 Hz at 17:58 Hrs	49.69 Hz at 18:30 Hrs	50.02	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/Jan/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.04	43.93	150	105	130
Unit 6	0.00	72.31	0	0	0
Unit 7	2.38	80.81	171	0	0
Total	5.43	197.05			130
Bhusawal					
Unit 2	0.05	71.00	45	0	0
Unit 3	3.70	82.64	165	135	150
Unit 4	8.78	222.26	425	325	430
Unit 5	7.01	169.46	340	235	301
Total	19.53	545.38			881
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.74	94.51	172	132	180
Unit 5	3.81	67.56	171	152	180
Unit 6	3.91	119.54	240	0	250
Unit 7	4.59	117.48	225	167	250
Total	16.06	399.09			860
Chandrapur					
Unit 1	3.20	73.76	137	130	145
Unit 2	0.00	45.34	0	0	0
Unit 3	4.11	105.46	180	161	180
Unit 4	4.77	120.80	210	180	210
Unit 5	0.00	0.00	0	0	0
Unit 6	8.39	224.75	395	286	400
Unit 7	8.17	214.91	375	298	400
Total	28.64	785.03			1335
Paras					
Unit 3	5.03	122.18	241	185	250
Unit 4	5.18	131.92	255	192	250
Total	10.22	254.09			500
Khaparkheda					
Unit 1	3.86	88.20	170	150	180
Unit 2	3.83	42.45	170	145	160
Unit 3	4.18	103.27	185	162	190
Unit 4	4.24	105.47	201	170	190
Unit 5	9.22	186.87	426	365	450
Total	25.32	526.26			1170
Nasik					
Unit 3	0.00	102.02	0	0	0
Unit 4	4.14	110.21	185	165	190
Unit 5	4.06	98.40	183	163	190
Total	8.19	310.62			380
Uran					
All Units	7.58	168.25	335	300	330
Total	7.58	168.25			330
PENCH (MS)					
Pench (MS)	0.39	7.77	52	0	0
Total	0.39	7.77			0
Koyna					
Stage 1-2	1.48	109.06	275	40	600
Stage 4	0.00	191.48	0	0	250
Stage 3	0.59	63.48	120	0	320
Kovna 12&4 Total	1.48	300.53			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.07	364.02			1170
Hydro					
KDPH	0.45	10.68	19	18	19
VTRNA	0.00	0.00	0	0	0
TILLARI	0.12	5.49	61	0	62
BHTGR/VEER	0.06	1.80	3	2	2
BHIRA T.R.	0.00	2.54	0	0	0
RNGR+BHTSA	0.33	8.32	14	13	13
BHANDARDRA	0.00	2.02	0	0	0
ELDARY	0.36	4.53	15	15	15
SMLHY PTN	0.89	26.05	44	34	11
GHATGHAR	1.85	51.57	240	0	0
Total	4.05	113.00			122
Wind					
MalharPeth	0.20	3.48			
Vankuswadi	0.43	6.65			
ATIT	0.03	1.37			
Kale	0.15	2.10			
Satara	2.19	25.61			
Shirala	0.17	2.06			
K Mahankal	0.00	0.91			
Supa	0.11	2.32			
Vita	1.35	11.45			
Dondaicha	1.18	28.16			
Sakri	0.15	3.64			
Nandurbar	0.07	2.31			
Khandke	0.36	6.78			
Khaparale	0.31	4.22			
Total	6.69	101.06			
CPP					
JSW JAIGAD	16.95	505.88	766	682	691
WARDHA	5.30	112.57	223	218	220
Adani	37.41	902.93	1830	1280	1851
Other CPPs	12.93	320.16			245
Total	72.59	1841.55			3007
SOLAR					
Total	0.95	21.27			
Total	0.95	21.27			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.59	263.02	502	310	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.86	56.17	128	93	120
Trombay 7B	1.65	35.59	71	59	60
Trombay 8	0.00	48.56	0	0	0
TATA Hydro	0.34	105.37	108	0	447
Total	14.43	508.71			1127
REL					
1&2	6.40	181.04	395	198	250
Total	6.40	181.04			250
Cent Sect					
Share					5024
Total					5024
MS PG CL	Thermal	113.38	3017.51		5256
	Thml+Gas	120.96	3185.76		5586
	Hydro	6.12	477.01		1292
	Total	127.08	3662.78		6878
State Total		228.53	5458.65		16286

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 26/Jan/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	4646	126	334	5106	239	2720	0	3985	4223	-549	-649	11639	89	11728	1604	13332	49.98
2	4613	126	335	5074	227	2699	0	3879	4156	-440	-472	11697	56	11753	1412	13165	50.03
3	4593	146	334	5073	250	2718	0	3869	3923	-431	-387	11603	56	11659	1317	12976	49.94
4	4571	126	331	5028	270	2711	0	3839	4044	-401	-328	11751	56	11807	1279	13086	49.90
5	4596	126	331	5053	331	2702	0	4190	4236	-398	-331	12018	56	12074	1294	13368	49.87
6	4598	271	327	5196	400	2821	0	4597	4920	-452	-434	12950	70	13020	1387	14407	49.93
7	4793	161	320	5274	390	3208	0	4684	4871	-460	-527	13238	99	13337	1485	14822	49.96
8	4979	129	322	5430	428	3371	9	4707	4962	-510	-581	13642	93	13735	1539	15274	49.94
9	5146	162	318	5626	324	3350	38	4608	5032	-488	-703	13712	97	13809	1656	15465	49.98
10	5166	409	306	5881	286	3360	66	4683	4435	-586	-805	13248	77	13325	1758	15083	50.02
11	4854	312	303	5469	348	3202	117	4722	4832	-653	-973	13005	67	13072	1811	14883	49.94
12	4814	343	300	5457	381	3152	145	4620	4860	-676	-1119	12883	66	12949	1824	14773	49.98
13	4774	677	300	5751	317	3221	144	4205	4728	-730	-1123	13038	127	13165	1823	14988	50.02
14	4914	443	300	5657	207	3358	147	3913	4332	-718	-1065	12636	71	12707	1769	14476	50.13
15	4894	448	300	5642	162	3386	132	3850	4269	-670	-994	12597	86	12683	1698	14381	50.16
16	4865	483	302	5650	132	3399	88	3798	4377	-666	-955	12691	87	12778	1659	14437	50.14
17	4742	465	304	5511	160	3254	49	3793	3820	-661	-936	11858	88	11946	1643	13589	50.06
18	4680	346	309	5335	191	3033	13	3842	3423	-401	-998	10997	84	11081	1706	12787	50.12
19	4696	139	309	5144	229	2838	0	4602	4046	-495	-1115	11169	82	11251	1890	13141	49.97
20	4655	138	312	5105	262	2838	0	4648	4328	-529	-1035	11550	82	11632	2037	13669	50.00
21	4537	154	317	5008	251	2823	0	3980	4115	-507	-1019	11204	82	11286	2014	13300	50.00
22	4426	137	321	4884	255	2850	0	3608	3791	-455	-967	10826	82	10908	1936	12844	50.10
23	4408	124	321	4853	336	2820	0	3494	3574	-466	-917	10666	61	10727	1823	12550	50.13
24	4425	129	323	4877	315	2760	0	3634	3255	-604	-831	10376	61	10437	1725	12162	50.13
MUs	113.38	6.12	7.58	127.08	6.69	72.59	0.95	99.75	102.55	-12.94	-19.26	290.99	1.88	292.87	40.09	332.96	50.02

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/Jan/2014

Position as on 6.30 Hrs of 27/Jan/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	
Chandrapur Unit 5	500	14/07/2013	00.01		Continued.	Condenser replacement work.	
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.	
CPP JSW (J) U2	300	21/10/2013	00.00		Continued.	Lack of Shedule.	
CPP WPCL U-2	135	13/12/2013	13.17		Continued.	ID Fan problem	
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.	
Chandrapur Unit 2	210	14/01/2014	12.38		Continued.	I D Fan Problem.	
Uran Unit 6	108	14/01/2014	12.45		Continued.	Gas Shortage.	
Cent_Sect TARAPUR-4	540	22/01/2014	11.51		Continued.	G T Maintenance.	
CPP WPCL U-4	135	24/01/2014	06.24		Continued.	ID Fan Vibration high.	
Koradi Unit 6	210	24/01/2014	06.51		Continued.	Coal bunkering	
Koradi Unit 7	210	24/01/2014	12.26	26/01/2014	06.47	ID Fan Problem.	
Bhusawal Unit 2	210	24/01/2014	23.21	26/01/2014	22.45	Bottom ash hopper repairing work.	
Nasik Unit 3	210	25/01/2014	09.28		Continued.	Boiler Tube Leakage	
REL 1	250	26/01/2014	00.54	26/01/2014	18.59	due to oil leakage in turbine inlet vave 3& 4	
Parli Unit 6	250	26/01/2014	20.40		Continued.	HP by pass Valve Heavy steam leakage	

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

Position as on 6.30 Hrs of 27/Jan/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali -Tarapur	07/12/2013	10.15		Continued.	MUMBAI STRENGTHENING WORK
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	25/01/2014	17.04		Continued.	over voltage
Dhule-Sar'Sarovar - II	25/01/2014	22.31		Continued.	over voltage
Kolhapur-Solapur(PGCIL)-I	27/01/2014	01.29		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	05/12/2013	19.30		Continued.	To control wardha-Yeotmal O/L
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Solapur (PGCIL)	26/01/2014	17.05		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Main Bus I at Warora	24/01/2014	11.00		Continued.	Bus Ext.Work for 125 MVAR reactor by hot line.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Pusad-Nanded	05/12/2013	06.03		Continued.	220KV Ghatodi S/S LILO Work.
Ghodbandar - Bhoisor (MSETCL)	07/12/2013	10.38		Continued.	MUMBAI STRENGTHENING WORK
Kandalgaon-Bhira	22/01/2014	11.20		Continued.	Outage At Bhira End & R.M Work.
Apta - Taloja	23/01/2014	09.06		Continued.	Erection of new tower.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Mulund - Bhandup (GIS)	26/01/2014	15.49	26/01/2014	20.14	Red Hot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Talegaon PG - Aurangabad - II	09/01/2014	13.41		Continued.	over voltage
Dabhol - New Koyna - I	22/01/2014	00.02		Continued.	Over Voltage.
Bhusawal- Aurangabad	23/01/2014	17.34		Continued.	Over Voltage.
Karad - Kolhapur - II	25/01/2014	16.52		Continued.	over voltage
Karad-Jaigad I	25/01/2014	20.30		Continued.	over voltage
Lonikand- Koyna Stage IV	26/01/2014	01.51	26/01/2014	08.53	Over Voltage
Lonikand- Koyna Stage IV	26/01/2014	17.28		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	06/01/2014	19.47		Continued.	Paras-Chikhali line O/L
Chikhali - Jalna - I	06/01/2014	19.47		Continued.	Paras-Chikhali O/L
Phursungi - Theur	25/01/2014	16.19		Continued.	over voltage
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Mansar - Pench	11/01/2014	19:17		Continued.	Completion of Khaperkheda-Kanhan Outage and Withdeawal of Pench Suport.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	31/12/2013	02.29		Continued.	Over Voltage.
400/220KV,500 MVA ICT-III At A'bad.	26/01/2014	10.23	26/01/2014	11.55	Diff.Prot.operated
Nagothane-Dabhol-I	26/01/2014	17.02	26/01/2014	18.55	Over Voltage
Dabhol - Nagothane - I	27/01/2014	01.50		Continued.	Over Voltage

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

Position as on 6.30 Hrs of 27/Jan/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Voltage Level : 220KV			Outage Type TRIPPED		
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.
220/132 KV 100MVA ICT I at Pusad	26/01/2014	11.41	26/01/2014	12.03	HV backup prot.operated
220/132KV 100 MVA ICT II at Pusad	26/01/2014	11.41	26/01/2014	12.06	HV backup prot.operated
Voltage Level : 132KV			Outage Type TRIPPED		
Jalna - Ambad	26/01/2014	10.23	26/01/2014	10.38	Load Trimming scheme operated at Jalna due to tripping of 500MVA ICT-III at A'Bad
Jalna - Rajur 1	26/01/2014	10.23	26/01/2014	10.40	Load Trimming scheme operated at Jalna due to tripping of 500MVA ICT-III at A'Bad
Jalna-Badnapur	26/01/2014	10.23	26/01/2014	10.36	Load Trimming scheme operated at Jalna due to tripping of 500MVA ICT-III at A'Bad
Jalna - Partur	26/01/2014	10.23	26/01/2014	11.00	Load Trimming scheme operated at Jalna due to tripping of 500MVA ICT-III at A'Bad
Jalna - Jafrabad	26/01/2014	10.23	26/01/2014	12.10	Load Trimming scheme operated at Jalna due to tripping of 500MVA ICT-III at A'Bad
Padegaon-Pishor	26/01/2014	10.23	26/01/2014	12.08	Load Trimming scheme operated at Jalna due to tripping of 500MVA ICT-III at A'Bad
Elichpur - Hingoli	26/01/2014	12.10	26/01/2014	12.54	Load Trimming scheme operated

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 27/Jan/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	0
Unit 7	210	150
	620	280
Bhusawal		
Unit 2	210	140
Unit 3	210	150
Unit 4	500	452
Unit 5	500	301
	1420	1043
Parli		
Unit 3	210	0
Unit 4	210	140
Unit 5	210	160
Unit 6	250	0
Unit 7	250	190
	1130	490
Chandrapur		
Unit 1	210	140
Unit 2	210	0
Unit 3	210	150
Unit 4	210	210
Unit 5	500	0
Unit 6	500	400
Unit 7	500	400
	2340	1300
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	175
Unit 2	210	160
Unit 3	210	176
Unit 4	210	201
Unit 5	500	373
	1340	1085
Nasik		
Unit 3	210	0
Unit 4	210	190
Unit 5	210	190
	630	380
Uran		
All Units	852	330
	852	330
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	19
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	61
BHTGR/VEER	21	3
BHIRA T.R.	80	0
RNGR+BHTSA	20	14
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	10
GHATGHAR	250	0
	611	122
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	693
WARDHA	405	210
Adani	1980	1851
Other CPPs	300	245
	3885	2999
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	5631
	3455	5631