



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

State Load Dispatch Center, Airoli

Daily system Report

for

26/Jan/2015

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 26/Jan/2015 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	113.481	3159.645	1) Gujrat	2.091	48.099
2) Hydro	6.618	185.164	2) Madhya Pradesh	10.976	327.887
3) Gas	7.906	214.230	3) Chattisgarh	5.020	101.520
Total MSGENCO	128.005	3559.039	4) Maharashtra Net	67.196	2205.576
B) 1) JSW JAIGAD	22.135	532.222	(Incl. 765kV Solapur-Raichur)	-4.710	-181.246
2) WPCL	1.885	64.799	5) Goa	-5.673	-156.335
3) ADANI	45.050	1162.160	6) TAPS 1&2 Injection	3.685	48.951
4) Other CPP / IPP	31.777	637.782	7) RGPPL Injection	0.000	0.000
5) Wind Generation	2.560	116.347	8) Pench (Excess)	-0.410	-13.136
6) PENCH (MS)	0.410	13.136	# Total Cent. Sector	82.885	2562.562
7) SOLAR	0.726	25.908	F) Other Exchanges		
C) 1) TPCL Thermal	8.733	248.534	1) With TPCL (Excess)	-23.176	-661.165
2) TPCL Hydro	0.944	116.221	G) Bilateral Power *		
TOTAL TPCL	9.677	364.755	1) MSEDCL Bilateral	13.724	547.425
3) REL Thermal	5.344	145.941	Include PX	-6.407	-116.171
D) STATE			2) MUMBAI Bilateral	21.209	569.997
1) Thermal (A1+C1+C3)	127.558	3554.120	Include PX	1.760	79.821
2) Hydro (A2+B6+C2)	7.972	314.521	3) MUMBAI Schedule	21.209	572.769
3) Gas (A3)	7.906	214.230	H) ENERGY CATERED (MUs)		
4) Wind (B5)	2.560	116.347	1) MSEDCL	292.257	8012.790
5) CPP/IPP (B1+B2+B3+B4)	100.847	2396.963	2) TPCL	23.927	723.835
6) SOLAR (B7)	0.726	25.908	3) REL	14.263	448.010
TOTAL STATE	247.569	6622.089	TOTAL STATE	330.447	9184.635

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 8 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	4953	5054	4462
MSGENCO Hydro	884	117	133
MSGENCO Gas	333	360	326
MSGENCO Total Generation	6170	5531	4921
Central Sector Receipt	4202	4029	2758
WIND	140	50	117
CPP / IPP	4395	4514	4032
SOLAR	7	57	0
Exchange with Mumbai	-756	-977	-782
MSEDCL DEMAND MET	14184	13216	11058
Load Shedding	71	68	56
MSEDCL DEMAND	14255	13284	11114
TPCL GENERATION	451	381	352
R-INFRA GENERATION	255	255	193
TPCL+R-INFRA DEMAND	1462	1613	1327
STATE DEMAND MET	15646	14829	12385
STATE DEMAND	15717	14897	12441
Frequency (Hz)	49.96	50.00	50.09

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.43 Hz at 00.00 Hrs	49.76 Hz at 05.13 Hrs	50	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/2015

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	3.67	86.22	165	143	148
Unit 7	3.90	86.40	175	150	162
Total	7.57	172.62			310
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	27.63	0	0	0
Unit 4	10.47	247.18	510	360	348
Unit 5	0.00	227.05	0	0	0
Total	10.47	501.86			348
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.68	64.31	160	149	168
Unit 5	3.50	93.58	152	137	168
Unit 6	5.12	127.72	250	194	200
Unit 7	5.04	111.85	249	187	200
Total	17.34	397.45			736
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.05	80.20	132	116	130
Unit 3	4.36	80.98	208	157	200
Unit 4	3.93	96.47	185	148	200
Unit 5	9.62	240.73	440	361	450
Unit 6	7.67	208.63	340	305	350
Unit 7	9.73	206.59	464	300	450
Total	38.36	913.60			1780
Paras					
Unit 3	4.25	120.64	189	161	220
Unit 4	4.68	87.30	216	175	220
Total	8.92	207.95			440
Khaparkheda					
Unit 1	4.44	107.66	200	165	200
Unit 2	3.88	96.18	175	150	180
Unit 3	4.72	115.14	206	186	210
Unit 4	4.70	105.52	210	180	210
Unit 5	0.00	220.12	0	0	0
Total	17.74	644.61			800
Nasik					
Unit 3	4.40	111.28	195	170	200
Unit 4	4.34	109.81	196	164	200
Unit 5	4.35	100.46	200	170	200
Total	13.08	321.54			600
Uran					
All Units	7.91	214.23	371	300	470
Total	7.91	214.23			470
PENCH (MS)					
Pench (MS)	0.41	13.14	27	11	
Total	0.41	13.14			
Koyna					
Stage 1-2	3.22	68.80	535	40	600
Stage 4	0.00	13.81	0	0	250
Stage 3	0.75	18.91	160	0	320
Kovna 12&4 Total	3.22	82.61			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.98	101.52			1170
Hydro					
KDPH	0.15	8.86	19	0	19
VTRNA	0.00	0.00	0	0	0
TILLARI	0.00	6.74	0	0	0
BHTGR/VEER	0.08	2.33	4	3	3
BHIRA T.R.	0.08	6.75	40	0	80
RNGR+BHTSA	0.38	8.64	16	15	16
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.31	1.45	15	12	12
SMLHY PTN	1.11	26.79	54	43	11
GHATGHAR	0.53	22.08	125	0	0
Total	2.64	83.64			141
Wind					
MalharPeth	0.08	2.94			
Vankuswadi	0.13	5.16			
ATIT	0.01	0.53			
Kale	0.04	2.10			
Satara	1.41	53.79			
Shirala	0.08	3.02			
K Mahankal	0.02	0.31			
Supa	0.04	1.42			
Vita	0.41	16.10			
Dondaicha	0.02	16.45			
Sakri	0.01	2.00			
Nandurbar	0.16	6.30			
Khandke	0.10	3.92			
Khaparale	0.03	2.31			
Total	2.56	116.35			
CPP					
JSW JAIGAD	22.14	532.22	1019	788	924
WARDHA	1.88	64.80	104	0	112
Adani	45.05	1162.16	2010	1630	2000
Other CPPs	31.78	637.78			990
Total	100.85	2396.96			4026
SOLAR					
Total	0.73	25.91			
Total	0.73	25.91			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	21.75	0	0	0
Trombay 6	3.61	84.72	152	144	500
Trombay 7A	0.00	0.00	0	0	0
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	5.12	142.06	252	200	250
TATA Hydro	0.94	116.22	142	0	447
Total	9.68	364.76			1197
REL					
1&2	5.34	145.94	255	193	250
Total	5.34	145.94			250
Cent Sect					
Share					4503
Total					4503
MS PG CL	Thermal	113.48	3159.64		5014
	Thml+Gas	121.39	3373.88		5484
	Hydro	6.62	185.16		1311
	Total	128.00	3559.04		6795
State Total		247.57	6622.09		16771

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 26/Jan/2015

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	4504	143	326	4973	173	4134	0	4074	3231	-743	-883	11640	114	11754	1449	13203	50.10
2	4462	133	326	4921	117	4032	0	3521	2758	-685	-782	11058	56	11114	1327	12441	50.09
3	4507	138	328	4973	109	4092	0	3556	2789	-667	-726	11248	56	11304	1270	12574	50.07
4	4504	138	330	4972	122	4114	0	3544	3006	-655	-689	11536	56	11592	1233	12825	50.02
5	4520	133	331	4984	134	4166	0	3548	3334	-659	-656	11989	57	12046	1243	13289	49.93
6	4574	238	332	5144	124	4193	0	3771	3740	-679	-782	12444	63	12507	1328	13835	49.58
7	4822	367	332	5521	131	4320	0	4316	4125	-693	-767	13356	65	13421	1399	14820	49.95
8	4953	884	333	6170	140	4395	7	4338	4202	-784	-756	14184	71	14255	1462	15717	49.96
9	5006	732	329	6067	105	4497	31	4352	4093	-944	-895	13923	75	13998	1628	15626	50.02
10	4948	559	341	5848	113	4499	72	4405	4167	-1012	-1000	13724	59	13783	1747	15530	49.96
11	4948	412	371	5731	66	4533	91	4404	4280	-1075	-1053	13673	59	13732	1787	15519	49.97
12	4994	249	360	5603	40	4511	125	4374	4641	-1106	-1067	13865	61	13926	1788	15714	49.96
13	5049	248	364	5661	37	4484	156	4117	4074	-1085	-1069	13356	121	13477	1759	15236	50.05
14	5046	432	355	5833	38	4307	90	3824	3698	-1023	-1053	12926	79	13005	1670	14675	50.12
15	5054	117	360	5531	50	4514	57	3789	4029	-982	-977	13216	68	13284	1613	14897	50.00
16	4965	117	300	5382	73	4412	44	3785	3662	-969	-866	12732	59	12791	1568	14359	49.99
17	4927	166	305	5398	68	4176	40	3099	3388	-950	-867	12228	60	12288	1564	13852	50.00
18	4774	142	307	5223	105	4172	13	3100	2457	-881	-1021	10961	61	11022	1607	12629	50.02
19	4479	222	304	5005	121	3916	0	3348	3452	-906	-1234	11272	59	11331	1802	13133	50.02
20	4487	332	310	5129	114	3873	0	3677	3780	-1020	-1247	11662	79	11741	1936	13677	49.94
21	4502	227	312	5041	164	3908	0	3373	3314	-1007	-1335	11104	70	11174	1928	13102	50.00
22	4514	142	313	4969	137	3875	0	3111	2685	-1017	-1300	10378	70	10448	1848	12296	50.09
23	4488	126	317	4931	141	3865	0	3062	2177	-944	-1160	9966	62	10028	1709	11737	50.01
24	4454	221	320	4995	138	3859	0	2820	1803	-722	-991	9816	62	9878	1532	11410	50.12
MUs	113.48	6.62	7.91	128.00	2.56	100.85	0.73	89.31	82.88	-21.21	-23.18	292.26	1.64	293.90	38.20	332.10	50.00

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/2015

Position as on 6.30 Hrs of 27/Jan/2015

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	
Cent_Sect Tarapur 1	160	12/10/2014	22.39		Continued.	Refuelling work.(60Days)	
Hydro GhatgharU2	125	23/12/2014	08.30		Continued.	Annual Overhaul	
Tata Trombay 5	500	03/01/2015	20.30		Continued.	Annual Maintenance	
Bhusawal Unit 3	210	20/01/2015	08.02		Continued.	Annual Overhaul	10/02/2015
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	
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.	economic shutdown	
Chandrapur Unit 1	210	28/08/2014	07.15		Continued.	economic shutdown	
Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	Economic shutdown	
CPP WPCL U-1	135	30/10/2014	00.43		Continued.	ESP Bag Filter Damaged	
Tata Trombay 7B	60	11/12/2014	20.39		Continued.	Rotor Fault.	25/02/2015
Tata Trombay 7A	120	11/12/2014	21.51		Continued.	Rotor Fault.	25/02/2015
Cent_Sect TARAPUR-4	540	19/12/2014	19.04		Continued.	W/Dn.	
CPP WPCL U-3	135	25/12/2014	14.02	26/01/2015	00.55	ID Fan Problem.	
Uran Unit 7	108	28/12/2014	04.49		Continued.	Gas Shortage.	
REL 2	250	04/01/2015	01.55		Continued.	Stator E/F.	
CPP Adani U-4	660	04/01/2015	03.24		Continued.	MOV Leakage	
Khaparkheda Unit 5	500	22/01/2015	19.15		Continued.	Water Wall Tube Leakage.	
Uran Unit 8	108	24/01/2015	00.34	26/01/2015	08.43	Generator Impedance Protection	
Uran Unit B0	120	24/01/2015	00.34		Continued.	Generator Impedance Protection	
Bhusawal Unit 5	500	25/01/2015	13.50		Continued.	Boiler Tube Leakage	
CPP WPCL U-4	135	25/01/2015	22.27		Continued.	ID Fan problem	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 26/Jan/2015

Position as on 6.30 Hrs of 27/Jan/2015

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Borivali	21/11/2014	14.51		Continued.	Mumbai Strengthening work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	25/01/2015	15.10	26/01/2015	07.18	Over Voltage
Kolhapur-Solapur(PGCIL)-I	25/01/2015	17.17	26/01/2015	06.29	Over Voltage
Dhule-Sar'Sarovar - I	25/01/2015	17.28	26/01/2015	06.39	Over Voltage
Kolhapur - Mapusa - I	26/01/2015	16.09	27/01/2015	06.36	Over Voltage.
Dhule-Sar'Sarovar - II	26/01/2015	17.40	27/01/2015	06.31	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	25/01/2015	18.00		Continued.	Over Voltage
Karad - Solapur (PGCIL)	26/01/2015	16.33		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	26/01/2015	16.36	27/01/2015	06.05	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 105 MVA Spare ICT @ Akola.	06/01/2015	09.50		Continued.	Oil Filtration of Main Tank & OLTC Due to Rise in Water Content.
Padgha - Kalwa- I	25/01/2015	09.22		Continued.	Conversion SSN to DSN(RFC 21.00Hrs)
Dabhol - Nagothane - I	25/01/2015	09.58	26/01/2015	10.57	Cold Washing work(RFC 19.20Hrs)
Aurangabad - Taptithanda	26/01/2015	09.04	26/01/2015	20.32	For Stringing Work of 765KV Wardha-Aurangabad PG-I.
Padgha - Padgha HVDC - I	26/01/2015	09.17	26/01/2015	19.25	Maint.Work.
Deepnagar-Tapitatanda	26/01/2015	09.33		Continued.	For Stringing Work of 765KV Wardha-Aurangabad PG-I.(Ready for Charging @21.24 Hrs)
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Ghodbandar - Bhoisor (MSETCL)	25/11/2014	11.36		Continued.	Erection & Stringing Work.
TBC @ 400 KV Parli-II	07/01/2015	15.48		Continued.	Shifting of CR Panel from 220KV Girawali C/R to 400KV C/R.
Dahanu-Bhoisor	26/01/2015	08.45	26/01/2015	16.40	Maint.Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV 500MVA ICT-II at Warora	16/01/2015	10.43		Continued.	CTR problem.
Bableshwar-Taptitanda I	24/01/2015	20.24		Continued.	Over Voltage
Karad - Kolhapur - II	25/01/2015	16.11		Continued.	Over Voltage
Karad-Jaigad I	25/01/2015	16.30		Continued.	Over Voltage
Bhusawal- Aurangabad	25/01/2015	17.43	26/01/2015	08.28	Over Voltage
Lonikand- Koyna Stage IV	25/01/2015	18.20	26/01/2015	10.20	Over Voltage
Karad - Lonikand	25/01/2015	21.32	26/01/2015	11.18	Over Voltage
Bhusawal- Aurangabad	26/01/2015	21.31	27/01/2015	06.42	Over Voltage.
Lonikand- Koyna Stage IV	26/01/2015	21.51	27/01/2015	06.55	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
BBLSR-Waluj	20/01/2015	08.51		Continued.	For Loading of Walunj ICT.
Voltage Level : 400KV			Outage Type TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 26/Jan/2015

Position as on 6.30 Hrs of 27/Jan/2015

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Padgha - Nagothane- II	25/01/2015	01.50		Continued.	Over Voltage
765KV Koradi-III -- Tiroda - II	25/01/2015	13.08		Continued.	Bus Bar prot.Operated
Dabhol - New Koyna - I	25/01/2015	18.00		Continued.	Over Voltage
Dabhol - Nagothane - I	26/01/2015	16.31	26/01/2015	18.46	Over Voltage.
New Koyna - Koyna Stage IV - II	26/01/2015	16.33		Continued.	Over Voltage.
Karad-Jaigad II	26/01/2015	16.38	27/01/2015	06.49	Over Voltage.
Lonikand-Karad	26/01/2015	16.38		Continued.	Over Voltage.
Karad - Kolhapur - II	26/01/2015	18.02		Continued.	Over Voltage.
Dabhol - Nagothane - I	26/01/2015	23.47		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
220/132KV 100 MVA,ICT-I at Jeur	31/12/2014	21.28		Continued.	Diff.Prot.Optd.
Apta-Kalwa	26/01/2015	14.57	26/01/2015	16.19	Over Voltage.
Apta-Taloja	26/01/2015	14.57	26/01/2015	16.10	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 27/Jan/2015

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	145
Unit 7	210	155
	620	300
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	390
Unit 5	500	0
	1420	390
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	145
Unit 6	250	192
Unit 7	250	187
	1130	674
Chandrapur		
Unit 1	210	0
Unit 2	210	130
Unit 3	210	210
Unit 4	210	200
Unit 5	500	450
Unit 6	500	350
Unit 7	500	450
	2340	1790
Paras		
Unit 3	250	201
Unit 4	250	201
	500	402
Khaparkheda		
Unit 1	210	200
Unit 2	210	180
Unit 3	210	210
Unit 4	210	210
Unit 5	500	0
	1340	800
Nasik		
Unit 3	210	200
Unit 4	210	200
Unit 5	210	200
	630	600
Uran		
All Units	852	470
	852	470
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	0
BHTGR/VEER	21	3
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	10
GHATGHAR	250	0
	611	142
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	941
WARDHA	405	112
Adani	2640	1867
Other CPPs	300	990
	4545	3910
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	500
Trombay 7A	120	0
Trombay 7B	60	0
Trombay 8	250	250
TATA Hydro	444	447
	2024	1197
REL		
1&2	500	250
	500	250
Cent Sect		
Share	3455	5818
	3455	5818