

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 28/Jan/2016 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	117.761	3168.559	1) Gujrat	-5.177	-103.230
2) Hydro	4.908	257.079	2) Madhya Pradesh	4.063	162.160
3) Gas	11.124	272.222	3) Chattisgarh	4.620	126.030
Total MSPGCL	133.793	3697.860	4) Maharashtra Net	69.436	1923.226
B) 1) APML	51.581	1332.767	5) Goa (Amona)	-0.512	-13.975
2) JSWEL	26.074	646.361	6) TAPS 1&2 Injection	3.725	103.173
3) VIPL	10.884	270.948	7) RGPPL Injection	10.671	202.928
4) RPL(AMT)	23.916	660.920	8) Pench (MS)	0.677	12.791
5) WPCL	4.452	127.034	9) Pench (Excess)	-0.677	-12.791
6) Other IPP	10.170	290.176	Total	86.149	2387.521
C) 1) TPCL Thermal	5.480	365.564	a) Mumbai Schedule	14.337	385.256
2) TPCL Hydro	4.708	62.741	b) Mumbai Drawl	23.653	592.756
3) TPCL Gas	4.173	101.023	c) MSEDCL Bilateral *	27.091	608.384
4) R-INFRA Thermal	10.355	195.250	Include PX	-6.352	-151.035
D) STATE			d) Mumbai Bilateral *	14.337	385.256
1) Thermal	260.673	7057.579	Include PX	2.011	51.676
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	9.616	319.820	H) ENERGY CATERED (MUs)		
3) Gas	15.297	373.245	1) MSEDCL	328.210	8979.775
4) Wind	3.555	126.914	2) Mumbai Discoms	48.369	1317.343
6) SOLAR	1.289	32.030	TOTAL STATE	376.579	10297.118
TOTAL STATE	290.430	7909.588			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 11 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	5175	5031	4841	4810
MSPGCL Hydro	384	181	426	123
MSPGCL Gas	460	429	455	486
MSPGCL Total Generation	6019	5641	5722	5419
Central Sector Receipt	4954	4630	4249	1421
WIND	53	27	73	366
CPP / IPP	5910	5617	5302	4875
SOLAR	159	190	0	0
Exchange with Mumbai	-1157	-1257	-1355	-488
MSEDCL DEMAND MET	15938	14848	13991	11593
Load Shedding	9	9	7	6
MSEDCL DEMAND	15947	14857	13998	11599
TPCL GENERATION	835	799	685	375
R-INFRA GENERATION	512	429	399	400
MUMBAI DEMAND	2504	2485	2439	1263
STATE DEMAND MET	18442	17333	16430	12856
STATE DEMAND	18451	17342	16437	12862
Frequency (Hz)	49.98	49.97	50.00	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.32 Hz at 18:03 Hrs	49.81 Hz at 07:48 Hrs	49.96	0 % of Time(min)

Note : The report is based on Operational Data and is for statistical purpose only.

Shift Engineer

Shift Incharge

Daily and Progressive Generation,Maximum,Minimum for 28/Jan/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	3.56	53.78	154	130
Unit 6	0.00	0.00	0	0
Unit 7	4.16	101.78	175	170
Unit 8	12.34	216.22	580	460
Total	20.07	371.77		
Bhusawal				
Unit 2	4.01	110.64	175	160
Unit 3	3.99	115.36	175	160
Unit 4	8.78	267.48	370	360
Unit 5	8.90	261.31	385	360
Total	25.68	754.78		
Parli				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Total	0.00	0.00		
Chandrapur				
Unit 1	0.00	0.00	0	0
Unit 2	0.00	33.88	0	0
Unit 3	4.14	116.16	199	163
Unit 4	4.16	119.80	195	160
Unit 5	0.00	0.00	0	0
Unit 6	9.68	262.36	430	385
Unit 7	8.66	267.39	435	0
Total	26.64	799.58		
Paras				
Unit 3	2.92	111.74	143	111
Unit 4	4.98	122.62	243	194
Total	7.89	234.35		
Khaparkheda				
Unit 1	3.85	106.64	165	155
Unit 2	3.99	109.04	175	145
Unit 3	3.92	112.85	172	155
Unit 4	3.86	94.16	169	151
Unit 5	10.21	270.23	510	377
Total	25.84	692.92		
Nasik				
Unit 3	3.88	115.94	170	160
Unit 4	3.87	82.35	166	154
Unit 5	3.90	116.86	171	157
Total	11.65	315.15		
Uran				
All Units	11.12	272.22	492	421
Total	11.12	272.22		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.68	12.79	47	0
Total	0.68	12.79		
Koyna				
Stage 1-2	1.64	95.30	240	40
Stage 4	0.11	49.77	109	0
Stage 3	0.00	31.66	160	0
Total	1.75	176.74		
Hydro				
KDPH	0.88	11.31	37	36
VTRNA	0.47	16.73	61	0
TILLARI	0.18	1.83	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.21	3.35	80	0
RNGR+BHTSA	0.26	6.23	11	10
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.71	14.80	30	29
GHATGHAR	0.46	26.10	125	0
Total	3.15	80.34		
Wind				
Total	3.56	126.91	0	0
Total	3.56	126.91		
CPP				
APML(Mus)	51.58	1332.77	0	0
JSWEL(Mus)	26.07	646.36	0	0
VIPL(Mus)	10.88	270.95	0	0
RPLAMT(Mus)	23.92	660.92	0	0
WPCL(Mus)	4.45	127.03	0	0
Other(Mus)	10.17	290.18	0	0
Total	127.08	3328.21		
SOLAR				
Total	1.29	32.03	0	0
Total	1.29	32.03		
Tata				
Trombay 5	0.00	219.09	0	0
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.61	62.42	113	105
Trombay 7B	1.56	38.60	67	64
Trombay 8	5.48	146.47	243	200
TATA Hydro	4.71	62.74	459	22
Total	14.36	529.33		
R-INFRA				
1-2	10.36	195.25	518	399
Total	10.36	195.25		

Infirm Power	Chandrapur 8	0.00	Koradi 9	0.00
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Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	117.76	3168.56
MSPGCL Thml+Gas	128.88	3440.78

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	4.91	257.08
MSPGCL Total	133.79	3697.86

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	1.75	145.07
State Total	290.43	7909.59

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/Jan/2016

Annexure-2

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	MUMBAI DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	4818	123	492	5433	335	4868	0	2112	1812	-696	11752	7	11759	1488	13247	49.98
2	4828	118	486	5432	468	4871	0	1792	1779	-578	11972	6	11978	1354	13332	49.97
3	4813	128	474	5415	471	4880	0	1556	1416	-520	11662	6	11668	1294	12962	49.98
4	4810	123	486	5419	366	4875	0	1431	1421	-488	11593	6	11599	1263	12862	49.99
5	4845	133	486	5464	333	4879	0	1750	1707	-497	11886	6	11892	1272	13164	49.99
6	4867	123	486	5476	252	4895	0	2769	2534	-629	12528	9	12537	1406	13943	49.96
7	4848	128	490	5466	155	5070	0	4162	4327	-834	14184	9	14193	1609	15802	49.95
8	5085	332	486	5903	109	5648	7	4559	4760	-870	15557	9	15566	1845	17411	49.94
9	5161	337	487	5985	62	5943	57	4653	4874	-817	16104	9	16113	2056	18169	49.96
10	5228	384	481	6093	61	5913	129	4653	4774	-938	16032	9	16041	2288	18329	49.94
11	5175	384	460	6019	53	5910	159	4721	4954	-1157	15938	9	15947	2504	18451	49.98
12	5184	265	442	5891	37	5904	181	4758	4659	-1148	15524	9	15533	2513	18046	49.95
13	5031	181	429	5641	27	5617	190	4668	4630	-1257	14848	9	14857	2485	17342	49.97
14	4938	116	439	5493	50	5346	180	4621	4572	-1125	14516	10	14526	2370	16896	49.98
15	4867	126	429	5422	54	5276	175	4619	4431	-1105	14253	7	14260	2390	16650	49.91
16	4873	141	439	5453	49	5284	130	4703	4887	-1095	14708	7	14715	2418	17133	49.92
17	4886	125	421	5432	43	5291	61	4594	4487	-1133	14181	7	14188	2430	16618	49.94
18	4871	205	465	5541	49	5286	20	3653	3606	-1266	13236	7	13243	2422	15665	50.01
19	4861	267	432	5560	47	5258	0	4085	4337	-1322	13880	7	13887	2427	16314	49.98
20	4841	426	455	5722	73	5302	0	4514	4249	-1355	13991	7	13998	2439	16437	50.00
21	4838	372	465	5675	93	5304	0	3795	3550	-1457	13165	7	13172	2295	15467	49.97
22	4860	616	477	5953	70	5307	0	2805	2896	-1324	12902	7	12909	2141	15050	50.00
23	4742	169	457	5368	137	5210	0	2719	2544	-1127	12132	7	12139	1940	14079	49.93
24	4491	160	460	5111	161	4939	0	2628	2943	-915	12239	7	12246	1720	13966	49.94
MUs	117.76	5.48	11.12	134.37	3.56	127.08	1.29	86.32	86.15	-23.65	328.78	0.18	328.97	48.37	377.34	49.96

NOTE : ALL VALUES IN MW

Mumbai Net Exch is shown with reference to MSETCL system and (-) sign indicates MSETCL periphery to Mumbai system.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 28/Jan/2016

Position as on 6.30 Hrs of 29/Jan/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
CENT.SECTOR	Tarapur 2	160	10/09/2015	12.55		Continued.	Refuelling work	
MSPGCL	Chandrapur Unit 5	500	27/12/2015	18.50		Continued.	Capital Overhaul.	
MSPGCL	Koyna Unit 10	80	29/12/2015	08:00		Continued.	Annual Overhaul	
TPC-G	Trombay 5	500	26/01/2016	21.55		Continued.	Boiler Maintenance work	
FORCED OUTAGE								
RGPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPL	Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
RGPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPL	Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
RGPL	Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
IPP	Dhariwal	300	28/05/2014	02.27		Continued.	No schedule	
MSPGCL	Chandrapur Unit 1	210	28/08/2014	07:15		Continued.	Economic Shutdown.	
MSPGCL	Koradi Unit 6	210	20/03/2015	01.02		Continued.	Economic shutdown	
MSPGCL	Parli Unit 3	210	14/06/2015	12.58		Continued.	Water Shortage	
IPP	WPCL U-2	135	16/06/2015	00.00		Continued.	No Schdule	
MSPGCL	Parli Unit 6	250	25/06/2015	15.03		Continued.	Water Shortage	
MSPGCL	Parli Unit 4	210	05/07/2015	18.45		Continued.	Water Shortage	
MSPGCL	Parli Unit 5	210	06/07/2015	14.55		Continued.	Water Shortage.	
MSPGCL	Parli Unit 7	250	08/07/2015	12.08		Continued.	Water Shortage	
TPC-G	Trombay 6	500	15/07/2015	17.08		Continued.	Economic shutdown	
MSPGCL	Chandrapur Unit-8	500	10/11/2015	12.10		Continued.	Drum level low	
CPP	WPCL U-1	135	07/01/2016	02.00		Continued.	Withdrawn, changeover to Unit-3	
MSPGCL	Chandrapur Unit 2	210	12/01/2016	04.47		Continued.	Boiler Tube Leakage	
MSPGCL	Uran Unit 5	108	19/01/2016	14.34		Continued.	Overhauling	
IPP	Adani U-1	660	23/01/2016	10.06		Continued.	Main Fuel Tank Tripped.	
MSPGCL	Uran Unit 6	108	23/01/2016	21.16		Continued.	Gas shortage	
MSPGCL	Koyna Unit 1	75	25/01/2016	09.00	28/01/2016	14.40	Maintenance work	
MSPGCL	Chandrapur Unit 7	500	28/01/2016	22.50		Continued.	Boiler Tube Leakage	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Jan/2016

Statement-VII

Position as on 6.30 Hrs of 29/Jan/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400 KV LINE Outages/Trippings							
Kolhapur Solapur (PG) II	InterState	27/01/2016	17.06	28/01/2016	06.42	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	27/01/2016	17.34	28/01/2016	06.02	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	28/01/2016	13.05		Continued.	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	28/01/2016	21.15		Continued.	HT	Over Voltage
Akola II - Taptitanda ckt-II	IntraState	31/12/2015	18.16		Continued.	HT	Change over
Babhaleshwar-Taptitanda ckt-I	IntraState	23/01/2016	07.21		Continued.	PO	Change Over.
Lonikand I - Koyna stage-IV	IntraState	25/01/2016	18.04		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	27/01/2016	10.06		Continued.	PO	Quarterly Maintainance Work
Chandrapur - Khaperkheda	IntraState	27/01/2016	13.45	28/01/2016	07.47	T	Distance Protection
karad -kolhapur-II	IntraState	27/01/2016	16.10	28/01/2016	09.06	HT	Over Voltage
Koradi-India Bulls	IntraState	27/01/2016	16.54		Continued.	PO	Taken on TBC due to havey sparking on isolator
Bhusawal-Aurangabad	IntraState	27/01/2016	16.58	28/01/2016	07.12	HT	Over Voltage
Babhaleshwar - Padghe-II	IntraState	28/01/2016	14.43	28/01/2016	18.18	T	Distance Protection
Deepnagar - Aurangabad	IntraState	28/01/2016	14.49	28/01/2016	18.57	EO	Y Phase twin conductor snapped
karad -kolhapur-I	IntraState	28/01/2016	16.02		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	28/01/2016	19.01		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220kv 315MVA ICT-III @Talegaon(PG)	InterState	22/11/2015	17.10		Continued.	PO	Annual Maintenance Work
400/220kv 315 MVA ICT I @ Kolhapur	IntraState	27/01/2016	13.51	28/01/2016	03.59	PO	Relay replacement work
400/220kv 315 MVA ICT I @ Kolhapur	IntraState	28/01/2016	17.50	28/01/2016	20.43	PO	Differential relay problem
400/220 KV 315 MVA ICT-I @ Nagothane	IntraState	28/01/2016	18.06	28/01/2016	20.05	PO	Testing Work
220 KV LINE Outages/Trippings							
Nasik Navsari I	InterState	28/01/2016	09.25	28/01/2016	18.29	PO	Line Maintenance work
Chandrapur GCR - Warora - I	IntraState	05/04/2015	09.13		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumer at Loc no 86 & 107 and de-energising the line bet.86 to 107.
Chandrapur GCR - Wani	IntraState	05/04/2015	09.15		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumer at Loc no 86 & 107 and de-energising the line bet.86 to 107.
Kalwa - Borivali	IntraState	10/01/2016	09:15		Continued.	PO	Tower Erection Work.
GIS Bhandup - Borivali	IntraState	11/01/2016	07.42		Continued.	PO	Tower Erection Work.
Padghe - Vasai	IntraState	24/01/2016	08.32		Continued.	PO	For Formation of Temp. Padgha-Borivali (Charge upto 51/1).
Hinjawadi I- Chinchwad	IntraState	25/01/2016	09.54		Continued.	PO	For Urse-Chinchwad Outage
Urse-Chinchwad	IntraState	25/01/2016	10.33		Continued.	PO	Lilo Arrangement.
Loteparshuram- Dasturi Line	IntraState	28/01/2016	09.51	28/01/2016	16.45	EO	To attend Hot Spot
Oni Kharepatan Line	IntraState	28/01/2016	10.06	28/01/2016	16.45	PO	Replacement of Y Phase CC to Line Jumper
Badnera-Akola I	IntraState	28/01/2016	10.24	28/01/2016	14.44	T	Distance Protection
Urse - Talegaon (Ambi) Ckt 2	IntraState	28/01/2016	10.34	28/01/2016	19.27	PO	Testing Work
Ranjangaon-Lonikand	IntraState	28/01/2016	12.00	28/01/2016	12.08	T	Distance Protection
Telco- Chinchwad	IntraState	28/01/2016	12.32	28/01/2016	12.38	T	Distance Protection
220kv Halkarni- Tillary	IntraState	28/01/2016	14.05	28/01/2016	16.03	PO	Line Maintenance work
220 KV ICT Outages/Trippings							

HT : Hand Tripping, MT : Multiple Tripping, T : Tripping, PO : Planned Outage, EO : Emergency Outage, OO : Opportunity Outage

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 28/Jan/2016

Statement-VII

Position as on 6.30 Hrs of 29/Jan/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Internal Fault(Now repaired and ready for commissioning)
220/132 Kv 200 MVA ICT-III @Phursungi	IntraState	28/01/2016	09.10	28/01/2016	18.05	PO	Line Maintenance work
220/132 Kv 200MVA ICT II @Dhule	IntraState	28/01/2016	10.41	28/01/2016	12.50	PO	Oil Top up work