

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 20/Dec/2015 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	126.609	2419.951	1) Gujrat	-2.822	-3.817
2) Hydro	6.199	162.467	2) Madhya Pradesh	6.009	131.013
3) Gas	10.650	162.708	3) Chattisgarh	4.090	95.470
Total MSPGCL	143.458	2745.126	4) Maharashtra Net	73.117	1624.465
B) 1) APML	46.260	1005.062	5) Goa (Amona)	-0.424	-10.680
2) JSWEL	21.716	452.703	6) TAPS 1&2 Injection	3.650	70.590
3) VIPL	10.149	188.330	7) RGPPL Injection	6.341	125.752
4) RPL(AMT)	21.453	431.270	8) Pench (MS)	0.295	3.997
5) WPCL	5.163	108.868	9) Pench (Excess)	-0.295	-3.997
6) Other IPP	10.905	218.433	Total	89.666	2028.796
C) 1) TPCL Thermal	12.713	284.645	a) Mumbai Schedule	12.859	357.218
2) TPCL Hydro	0.759	52.709	b) Mumbai Drawl	17.692	471.385
3) TPCL Gas	3.562	62.304	c) MSEDCL Bilateral *	23.272	506.319
4) R-INFRA Thermal	9.734	203.218	Include PX	-5.124	-44.643
D) STATE			d) Mumbai Bilateral *	12.859	357.218
1) Thermal	264.702	5312.480	Include PX	-0.531	13.407
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	6.958	215.176	H) ENERGY CATERED (MUs)		
3) Gas	14.212	225.012	1) MSEDCL	335.325	6839.622
4) Wind	3.209	109.793	2) Mumbai Discoms	44.449	1074.247
6) SOLAR	1.038	22.626	TOTAL STATE	379.774	7913.869
TOTAL STATE	290.119	5885.087			

* 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 19 Hrs	D. Night Minimum at 24 Hrs
MSPGCL Thermal	5285	5326	5342	5250
MSPGCL Hydro	789	298	157	101
MSPGCL Gas	448	415	442	445
MSPGCL Total Generation	6522	6039	5941	5796
Central Sector Receipt	4671	4672	3939	2641
WIND	50	76	184	211
CPP / IPP	5171	5084	4703	4435
SOLAR	137	158	0	0
Exchange with Mumbai	-764	-819	-1019	-814
MSEDCL DEMAND MET	15787	15210	13748	12269
Load Shedding	14	14	13	13
MSEDCL DEMAND	15801	15224	13761	12282
TPCL GENERATION	876	838	674	658
R-INFRA GENERATION	407	406	404	404
MUMBAI DEMAND	2047	2063	2097	1876
STATE DEMAND MET	17834	17273	15845	14145
STATE DEMAND	17848	17287	15858	14158
Frequency (Hz)	49.94	49.90	49.94	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 17:31 Hrs	49.69 Hz at 08:38 Hrs	49.94	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 20/Dec/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	2.89	56.04	125	110
Unit 6	0.00	0.00	0	0
Unit 7	4.14	54.19	175	167
Unit 8	11.75	159.08	530	467
Total	18.78	269.31		
Bhusawal				
Unit 2	0.14	64.09	60	0
Unit 3	4.06	82.10	175	160
Unit 4	10.27	209.44	445	410
Unit 5	10.39	210.63	445	420
Total	24.86	566.27		
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	3.08	59.52	133	126
Unit 3	4.29	86.18	189	175
Unit 4	4.38	87.94	186	178
Unit 5	8.96	185.83	380	365
Unit 6	9.37	75.46	405	373
Unit 7	9.74	197.60	415	380
Total	39.81	692.53		
Paras				
Unit 3	4.80	90.59	218	182
Unit 4	4.92	91.26	215	197
Total	9.73	181.85		
Khaparkheda				
Unit 1	3.76	76.14	165	140
Unit 2	4.30	77.60	185	170
Unit 3	0.00	73.18	0	0
Unit 4	4.01	63.50	176	156
Unit 5	8.80	192.28	386	310
Total	20.86	482.71		
Nasik				
Unit 3	4.58	60.15	195	185
Unit 4	3.40	74.47	196	0
Unit 5	4.59	92.66	201	180
Total	12.57	227.29		
Uran				
All Units	10.65	162.71	465	401
Total	10.65	162.71		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.30	4.00	50	0
Total	0.30	4.00		
Koyna				
Stage 1-2	1.98	47.41	275	40
Stage 4	0.11	16.20	60	0
Stage 3	0.71	14.14	160	0
Total	2.80	77.75		
Hydro				
KDPH	0.44	12.13	19	18
VTRNA	0.56	11.04	61	0
TILLARI	0.12	2.41	62	0
BHTGR/VEER	0.00	0.96	0	0
BHIRA T.R.	0.23	3.14	40	0
RNGR+BHTSA	0.34	5.00	15	14
BHANDARDRA	0.00	8.78	0	0
ELDARY	0.00	1.65	0	0
SMLHY_PTN	0.56	14.88	24	23
GHATGHAR	1.13	24.72	250	0
Total	3.40	84.72		
Wind				
Total	3.21	109.79	0	0
Total	3.21	109.79		
CPP				
APML(Mus)	46.26	1005.06	0	0
JSWEL(Mus)	21.72	452.70	0	0
VIPL(Mus)	10.15	188.33	0	0
RPLAMT(Mus)	21.45	431.27	0	0
WPCL(Mus)	5.16	108.87	0	0
Other(Mus)	10.90	218.43	0	0
Total	115.65	2404.67		
SOLAR				
Total	1.04	22.63	0	0
Total	1.04	22.63		
Tata				
Trombay 5	7.77	177.48	347	313
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.14	36.75	115	61
Trombay 7B	1.42	25.55	68	50
Trombay 8	4.94	107.16	223	199
TATA Hydro	0.76	52.71	125	46
Total	17.03	399.66		
R-INFRA				
1-2	9.73	203.22	408	404
Total	9.73	203.22		

Infirm Power	Chandrapur 8	0.00
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Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	126.61	2419.95
MSPGCL Thml+Gas	137.26	2582.66

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	6.20	162.47
MSPGCL Total	143.46	2745.13

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	2.10	63.61
State Total	290.12	5885.09

State Load Despatch Center,Airoli (MSETCL)
Hourly Load Data As on 20/Dec/2015

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	5162	169	452	5783	89	4754	0	2897	2924	-714	12836	18	12854	1768	14622	49.95
2	5119	107	453	5679	111	4852	0	2749	2713	-581	12774	10	12784	1637	14421	49.96
3	5112	97	452	5661	133	4847	0	2589	2664	-504	12801	10	12811	1557	14368	49.99
4	5154	112	453	5719	110	4834	0	2516	2654	-443	12874	10	12884	1500	14384	49.97
5	5147	101	465	5713	113	4827	0	2730	2867	-448	13072	10	13082	1505	14587	49.93
6	5191	101	454	5746	102	4847	0	3573	3641	-508	13828	16	13844	1562	15406	49.96
7	5198	101	460	5759	92	4843	0	4509	4287	-521	14460	17	14477	1625	16102	49.94
8	5245	493	456	6194	47	4898	8	4687	4798	-509	15436	56	15492	1661	17153	49.90
9	5295	462	458	6215	35	5194	52	4713	4729	-569	15656	58	15714	1775	17489	49.85
10	5281	733	452	6466	33	5055	103	4624	4701	-705	15653	14	15667	1939	17606	49.90
11	5285	789	448	6522	50	5171	137	4747	4671	-764	15787	14	15801	2047	17848	49.94
12	5316	532	460	6308	54	5176	159	4716	4778	-785	15690	14	15704	2067	17771	49.85
13	5326	298	415	6039	76	5084	158	4655	4672	-819	15210	14	15224	2063	17287	49.90
14	5360	289	415	6064	95	5028	156	4607	4499	-924	14918	17	14935	2004	16939	49.97
15	5385	141	421	5947	167	4900	119	4543	4338	-834	14637	13	14650	1909	16559	49.95
16	5325	351	401	6077	209	4643	90	4246	4482	-747	14754	13	14767	1874	16641	49.96
17	5371	196	427	5994	201	4611	48	3979	3780	-745	13889	13	13902	1852	15754	49.94
18	5377	256	441	6074	197	4616	8	3227	3073	-808	13160	13	13173	1903	15076	49.94
19	5342	157	442	5941	184	4703	0	3845	3939	-1019	13748	13	13761	2097	15858	49.94
20	5314	167	431	5912	222	4693	0	4045	3891	-1007	13711	13	13724	2106	15830	49.94
21	5331	157	448	5936	236	4679	0	3891	3473	-1031	13293	13	13306	2103	15409	49.98
22	5401	162	452	6015	221	4496	0	3006	2854	-1008	12578	13	12591	2083	14674	50.04
23	5322	127	449	5898	221	4460	0	2899	2597	-885	12291	13	12304	1947	14251	49.97
24	5250	101	445	5796	211	4435	0	2978	2641	-814	12269	13	12282	1876	14158	50.00
MUs	126.61	6.20	10.65	143.46	3.21	115.65	1.04	90.97	89.67	-17.69	335.32	0.41	335.73	44.46	380.19	49.94

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 20/Dec/2015

Position as on 6.30 Hrs of 21/Dec/2015

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	
FORCED OUTAGE								
RGPPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPPL	Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
RGPPL	Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
RGPPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPPL	Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
RGPPL	Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
RGPPL	Dabhol 2B	230	08/08/2013	15.03		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	Uran Unit 7	108	17/04/2015	00.07		Continued.	Gas turbine problem	
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	
CPP	WPCL U-1	135	23/10/2015	17.31		Continued.	ESP filter problem	
MSPGCL	Chandrapur Unit-8	500	10/11/2015	12.10		Continued.	Drum level low	
IPP	Adani U-4	660	14/12/2015	06.55		Continued.	Hot air line leakage	
MSPGCL	Bhusawal Unit 2	210	17/12/2015	01.10	20/12/2015	18.41	Boiler Tube Leakage	
MSPGCL	Nasik Unit 4	210	18/12/2015	00.28	20/12/2015	02.55	Boiler Tube Leakage	
MSPGCL	Khaparkheda Unit 3	210	19/12/2015	19.08		Continued.	Boiler Tube Leakage	
IPP	RPL(AMT) U-5	270	20/12/2015	09.17		Continued.	P.A.Fan Problem	
IPP	RPL(AMT) U-4	270	20/12/2015	20.55		Continued.	ID Fan Problem	
MSPGCL	Bhusawal Unit 2	210	20/12/2015	21.49	21/12/2015	00.31	Drum level High	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Dec/2015

Statement-VII

Position as on 6.30 Hrs of 21/Dec/2015

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) I	InterState	17/12/2015	07.43		Continued.	PO	Line Rectification Work.
Kolhapur Solapur (PG) II	InterState	17/12/2015	08.15		Continued.	PO	Line Rectification Work.
Dhule Sar'Sarovar II	InterState	18/12/2015	13.02	20/12/2015	06.52	PO	Work @ SSNL End(Ckt RFC@19.40)
Dhule Sar'Sarovar I	InterState	20/12/2015	17.38	21/12/2015	06.41	HT	Over Voltage
Akola II - Taptitanda ckt-II	IntraState	06/10/2015	09.44		Continued.	HT	For Controlling Line Loading.
Babhaleshwar-Taptitanda ckt-I	IntraState	19/12/2015	07.28		Continued.	HT	Over Voltage (RFG 17.58 Hrs)
Karad - Jaigad - II	IntraState	19/12/2015	16.38	20/12/2015	08.47	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	19/12/2015	17.14	20/12/2015	07.03	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	19/12/2015	21.35	20/12/2015	08.35	HT	Over Voltage
Karad-Jaigad - I	IntraState	20/12/2015	16.13		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	20/12/2015	16.51		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	20/12/2015	17.13		Continued.	HT	Over Voltage
Kalwa - Kharghar	IntraState	21/12/2015	06.05		Continued.	PO	Anticorrosiv painting work
400 KV ICT Outages/Trippings							
400/220kv 315MVA ICT-III @Talegaon(PG)	InterState	22/11/2015	17.10		Continued.	PO	Annual Maintenance Work
400/220 Kv 600 MVA ICT-IV @Padghe	IntraState	17/12/2015	22.57	20/12/2015	21.37	PO	Abnormal DGA.(5 Days)
220 KV LINE Outages/Trippings							
Borivali - Tarapur	InterState	16/12/2015	09.34		Continued.	PO	Tower Erection and Stringing work
Talandage - Chikodi	InterState	19/12/2015	12.42	20/12/2015	19.26	T	Dist.Prot.R Ph to Earth.
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.
Ghodbunder - Versova	IntraState	07/12/2015	08:45		Continued.	PO	Modification of existing towers from broad based to narrow based towers in MBMC area
Ghodbunder - Gorai	IntraState	09/12/2015	08:18		Continued.	PO	Modification of existing towers from broad based to narrow based towers in MBMC area
Boisar(M) - Ghodbunder	IntraState	16/12/2015	08.29		Continued.	PO	Tower Erection and Stringing work
Padgha-Temghar-II	IntraState	18/12/2015	10.15	20/12/2015	21.58	PO	Routine Maintenance Work
Kalwa Salsette III	IntraState	19/12/2015	08.24	20/12/2015	17.24	PO	C T Replacement Work @ Kalwa.
Wadkhal - Ipcl 2	IntraState	19/12/2015	11.00		Continued.	PO	Conductor Replacement Work With High Amacity Conductor.
Kharghar - Kalwa	IntraState	20/12/2015	07.21		Continued.	PO	Tapping TIFL line on kalwa-kharghar
Kalwa-TIFIL	IntraState	20/12/2015	07.52	20/12/2015	19.19	PO	Tapping TIFL line on kalwa-kharghar
Arey - TPC Borivali	IntraState	20/12/2015	08.53		Continued.	PO	Replacement of Hydraulic cylinder in Gis
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Internal Fault

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