

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 21/Dec/2015 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	137.263	2557.214	1) Gujrat	-3.192	-7.009
2) Hydro	6.942	169.409	2) Madhya Pradesh	4.874	135.887
3) Gas	10.651	173.359	3) Chattisgarh	3.860	99.330
Total MSPGCL	154.856	2899.982	4) Maharashtra Net	68.623	1693.088
B) 1) APML	50.538	1055.600	5) Goa (Amona)	-0.522	-11.202
2) JSWEL	22.701	475.404	6) TAPS 1&2 Injection	3.664	74.254
3) VIPL	10.161	198.491	7) RGPPL Injection	6.351	132.103
4) RPL(AMT)	15.229	446.499	8) Pench (MS)	0.343	4.340
5) WPCL	5.809	114.677	9) Pench (Excess)	-0.343	-4.340
6) Other IPP	10.940	229.373	Total	83.315	2112.111
C) 1) TPCL Thermal	13.422	298.067	a) Mumbai Schedule	14.944	372.162
2) TPCL Hydro	3.825	56.534	b) Mumbai Drawl	20.844	492.229
3) TPCL Gas	3.296	65.600	c) MSEDCL Bilateral *	17.702	524.020
4) R-INFRA Thermal	9.746	212.964	Include PX	-8.619	-53.262
D) STATE			d) Mumbai Bilateral *	14.944	372.162
1) Thermal	275.809	5588.289	Include PX	-0.243	13.164
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	10.767	225.943	H) ENERGY CATERED (MUs)		
3) Gas	13.947	238.959	1) MSEDCL	341.189	7180.811
4) Wind	7.367	117.160	2) Mumbai Discoms	51.132	1125.379
6) SOLAR	1.117	23.743	TOTAL STATE	392.321	8306.190
TOTAL STATE	309.007	6194.094			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 12 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	6203	6152	5668	5426
MSPGCL Hydro	579	495	177	119
MSPGCL Gas	424	434	432	455
MSPGCL Total Generation	7206	7081	6277	6000
Central Sector Receipt	4465	3928	3887	2152
WIND	106	139	623	203
CPP / IPP	5412	5380	4684	4440
SOLAR	169	169	0	0
Exchange with Mumbai	-1023	-1015	-1244	-477
MSEDCL DEMAND MET	16335	15682	14227	12318
Load Shedding	15	15	12	11
MSEDCL DEMAND	16350	15697	14239	12329
TPCL GENERATION	1255	1224	894	620
R-INFRA GENERATION	405	405	404	404
MUMBAI DEMAND	2683	2644	2542	1501
STATE DEMAND MET	19018	18326	16769	13819
STATE DEMAND	19033	18341	16781	13830
Frequency (Hz)	49.87	49.91	49.89	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.21 Hz at 13:01 Hrs	49.63 Hz at 07:18 Hrs	49.92	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 21/Dec/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	2.90	58.94	125	115
Unit 6	0.00	0.00	0	0
Unit 7	4.02	58.20	175	155
Unit 8	12.81	171.89	660	475
Total	19.73	289.03		
Bhusawal				
Unit 2	3.80	67.89	175	85
Unit 3	4.28	86.38	180	170
Unit 4	10.69	220.13	500	410
Unit 5	10.60	221.23	500	400
Total	29.36	595.63		
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	3.06	62.58	130	124
Unit 3	4.35	90.52	203	172
Unit 4	4.38	92.33	200	174
Unit 5	9.00	194.83	415	350
Unit 6	9.04	84.51	395	360
Unit 7	9.97	207.56	429	405
Total	39.79	732.32		
Paras				
Unit 3	5.09	95.69	243	190
Unit 4	5.32	96.58	254	202
Total	10.42	192.26		
Khaparkheda				
Unit 1	3.84	79.98	175	135
Unit 2	4.36	81.96	200	160
Unit 3	2.45	75.63	174	0
Unit 4	3.95	67.45	171	159
Unit 5	9.78	202.06	500	360
Total	24.38	507.10		
Nasik				
Unit 3	4.51	64.66	195	185
Unit 4	4.46	78.94	194	179
Unit 5	4.61	97.27	198	183
Total	13.58	240.87		
Uran				
All Units	10.65	173.36	470	405
Total	10.65	173.36		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.34	4.34	41	0
Total	0.34	4.34		
Koyna				
Stage 1-2	2.52	49.93	380	40
Stage 4	1.27	17.47	242	0
Stage 3	0.30	14.44	80	0
Total	4.09	81.84		
Hydro				
KDPH	0.32	12.45	19	0
VTRNA	0.61	11.65	61	0
TILLARI	0.00	2.41	0	0
BHTGR/VEER	0.00	0.96	0	0
BHIRA T.R.	0.14	3.28	40	0
RNGR+BHTSA	0.34	5.34	15	14
BHANDARDRA	0.00	8.78	0	0
ELDARY	0.00	1.65	0	0
SMLHY_PTN	0.63	15.52	27	26
GHATGHAR	0.81	25.53	240	0
Total	2.85	87.56		
Wind				
Total	7.37	117.16	0	0
Total	7.37	117.16		
CPP				
APML(Mus)	50.54	1055.60	0	0
JSWEL(Mus)	22.70	475.40	0	0
VIPL(Mus)	10.16	198.49	0	0
RPLAMT(Mus)	15.23	446.50	0	0
WPCL(Mus)	5.81	114.68	0	0
Other(Mus)	10.94	229.37	0	0
Total	115.38	2520.04		
SOLAR				
Total	1.12	23.74	0	0
Total	1.12	23.74		
Tata				
Trombay 5	8.36	185.85	471	313
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.94	38.70	115	60
Trombay 7B	1.35	26.90	67	47
Trombay 8	5.06	112.22	247	194
TATA Hydro	3.82	56.53	400	0
Total	20.54	420.20		
R-INFRA				
1-2	9.75	212.96	411	403
Total	9.75	212.96		

Infirm Power	Chandrapur 8	0.00
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Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	137.26	2557.21
MSPGCL Thml+Gas	147.91	2730.57

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	6.94	169.41
MSPGCL Total	154.86	2899.98

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	3.79	67.40
State Total	309.01	6194.09

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 21/Dec/2015

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	5433	99	464	5996	229	4478	0	2560	2467	-623	12547	18	12565	1673	14238	49.93
2	5417	109	453	5979	218	4475	0	2702	2321	-548	12445	11	12456	1576	14032	49.98
3	5426	119	455	6000	203	4440	0	2442	2152	-477	12318	11	12329	1501	13830	49.99
4	5488	104	453	6045	230	4448	0	2326	2212	-427	12508	11	12519	1458	13977	49.94
5	5508	129	455	6092	199	4440	0	2518	2342	-437	12636	11	12647	1464	14111	49.95
6	5538	149	454	6141	180	4458	0	3093	3047	-494	13332	15	13347	1555	14902	49.93
7	5544	239	461	6244	154	4586	0	4045	4028	-543	14469	15	14484	1714	16198	49.85
8	5562	726	457	6745	103	4907	7	4204	4365	-578	15549	15	15564	1848	17412	49.83
9	5897	715	470	7082	32	5238	59	4377	4357	-822	15946	15	15961	2131	18092	49.92
10	6118	494	450	7062	51	5405	116	4493	4350	-942	16042	15	16057	2452	18509	49.87
11	6197	558	455	7210	58	5407	151	4547	4368	-970	16224	15	16239	2618	18857	49.91
12	6203	579	424	7206	106	5412	169	4482	4465	-1023	16335	15	16350	2683	19033	49.87
13	6152	495	434	7081	139	5380	169	4386	3928	-1015	15682	15	15697	2644	18341	49.91
14	6083	103	405	6591	303	5304	166	4363	4189	-1071	15482	16	15498	2522	18020	49.97
15	5828	163	417	6408	395	5150	117	4353	4159	-1021	15208	12	15220	2512	17732	49.86
16	5704	230	414	6348	479	5107	98	4347	4451	-1108	15375	12	15387	2512	17899	49.92
17	5666	352	417	6435	549	4830	58	4082	4040	-1115	14797	12	14809	2517	17326	49.90
18	5680	234	441	6355	636	4705	7	3276	3436	-1228	13911	12	13923	2481	16404	49.88
19	5668	177	432	6277	623	4684	0	4132	3887	-1244	14227	12	14239	2542	16781	49.89
20	5649	252	445	6346	665	4566	0	4302	3856	-1222	14211	12	14223	2470	16693	49.94
21	5649	248	444	6341	616	4567	0	3841	3454	-1169	13809	12	13821	2275	16096	49.96
22	5649	263	452	6364	490	4527	0	2776	2710	-1074	13017	12	13029	2146	15175	50.00
23	5610	218	445	6273	375	4463	0	2182	2242	-904	12449	12	12461	1993	14454	49.89
24	5594	187	454	6235	334	4401	0	2220	2485	-789	12666	12	12678	1846	14524	49.96
MUs	137.26	6.94	10.65	154.86	7.37	115.38	1.12	86.05	83.31	-20.84	341.19	0.32	341.50	51.13	392.64	49.92

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 21/Dec/2015

Position as on 6.30 Hrs of 22/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	
MSPGCL	Koyana Unit 7	80	18/12/2015	08:25		Continued.	for attending lower guide bearing cooler leakage 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	Khaparkheda Unit 3	210	19/12/2015	19.08	21/12/2015	08.49	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	
MSPGCL	Chandrapur Unit 5	500	21/12/2015	23.47	22/12/2015	05.15	condenser pressure high	
MSPGCL	Chandrapur Unit 6	500	22/12/2015	00.45	22/12/2015	05.41	CCW Pump Failed	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Dec/2015

Statement-VII

Position as on 6.30 Hrs of 22/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 I	InterState	20/12/2015	17.38	21/12/2015	06.41	HT	Over Voltage
Karad Solapur (PG)	InterState	21/12/2015	16.16		Continued.	EO	Attending Hot Spot
Dhule Sar'Sarovar I	InterState	21/12/2015	18.04	22/12/2015	07.02	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 - I	IntraState	20/12/2015	16.13	21/12/2015	08.55	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	20/12/2015	16.51	21/12/2015	08.53	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	20/12/2015	17.13	21/12/2015	08.41	HT	Over Voltage
Kalwa - Kharghar	IntraState	21/12/2015	06.05	21/12/2015	12.59	PO	Anticorrosiv painting work
Bhusawal-Aurangabad	IntraState	21/12/2015	17.07		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	21/12/2015	17.09		Continued.	HT	Over Voltage
karad -kolhapur-II	IntraState	22/12/2015	06.45		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
220 KV LINE Outages/Trippings							
Borivali - Tarapur	InterState	16/12/2015	09.34		Continued.	PO	Tower Erection and Stringing work
Nasik Navsari I	InterState	21/12/2015	12.21	21/12/2015	20.56	PO	Line Maintenance work at navsari end
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
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
Arey - TPC Borivali	IntraState	20/12/2015	08.53	21/12/2015	10.20	PO	Replacement of Hydraulic cylinder in Gis
Mumewadi -Halkarni II	IntraState	21/12/2015	08.20	21/12/2015	18.20	PO	Replacement of Line side Isolator
Parvati - Hybrid Pass	IntraState	21/12/2015	08.51	21/12/2015	16.40	HT	control urse line load
Hinjawadi I- Chinchwad	IntraState	21/12/2015	09.32	21/12/2015	16.08	HT	control urse line load
Nasik - Raymond	IntraState	21/12/2015	09.37	21/12/2015	17.53	PO	Line Maintenance work
Ranjangaon-Lonikand	IntraState	21/12/2015	13.00	21/12/2015	23.38	T	Distance Protection
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Internal Fault
220/132-110kv 100mva Imp Ptr 2 @Wathar	IntraState	21/12/2015	10.10	21/12/2015	17.35	PO	Quarterly Maintainance Work
220/132 Kv 100 Mva Cgl Ict 2 @Ranjangaon	IntraState	21/12/2015	16.06		Continued.	T	Y ph LA burst

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 21/Dec/2015

Statement-VII

Position as on 6.30 Hrs of 22/Dec/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
100 KV LINE Outages/Trippings							
Kolshet - Vasai	IntraState	21/12/2015	07.35	21/12/2015	18.40	PO	DP structure to horizontal tower conversion work