

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 22/Dec/2015 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	128.000	2685.214	1) Gujrat	-3.336	-10.345
2) Hydro	6.680	176.089	2) Madhya Pradesh	4.783	140.670
3) Gas	9.137	182.496	3) Chattisgarh	4.620	103.950
Total MSPGCL	143.817	3043.799	4) Maharashtra Net	75.280	1768.368
B) 1) APML	51.022	1106.622	5) Goa (Amona)	-0.564	-11.766
2) JSWEL	21.367	496.771	6) TAPS 1&2 Injection	3.689	77.943
3) VIPL	10.143	208.634	7) RGPPL Injection	6.348	138.451
4) RPL(AMT)	17.701	464.200	8) Pench (MS)	0.332	4.672
5) WPCL	5.481	120.158	9) Pench (Excess)	-0.332	-4.672
6) Other IPP	10.711	240.084	Total	90.488	2202.599
C) 1) TPCL Thermal	13.214	311.281	a) Mumbai Schedule	15.886	388.049
2) TPCL Hydro	3.468	60.002	b) Mumbai Drawl	19.804	512.033
3) TPCL Gas	2.888	68.488	c) MSEDCL Bilateral *	20.973	544.993
4) R-INFRA Thermal	9.747	222.711	Include PX	-5.019	-58.282
D) STATE			d) Mumbai Bilateral *	15.886	388.049
1) Thermal	267.386	5855.675	Include PX	-0.317	12.848
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	10.148	236.091	H) ENERGY CATERED (MUs)		
3) Gas	12.025	250.984	1) MSEDCL	337.073	7517.884
4) Wind	4.939	122.099	2) Mumbai Discoms	49.123	1174.502
6) SOLAR	1.208	24.951	TOTAL STATE	386.196	8692.386
TOTAL STATE	295.706	6489.800			

* 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	6063	5615	5243	4914
MSPGCL Hydro	200	199	184	255
MSPGCL Gas	448	335	310	465
MSPGCL Total Generation	6711	6149	5737	5634
Central Sector Receipt	4783	4706	4552	2314
WIND	115	167	171	271
CPP / IPP	5388	5314	4932	4379
SOLAR	155	184	0	0
Exchange with Mumbai	-1026	-1199	-1110	-387
MSEDCL DEMAND MET	16126	15321	14282	12211
Load Shedding	15	29	10	11
MSEDCL DEMAND	16141	15350	14292	12222
TPCL GENERATION	1089	936	895	626
R-INFRA GENERATION	405	405	408	407
MUMBAI DEMAND	2520	2540	2413	1420
STATE DEMAND MET	18646	17861	16695	13631
STATE DEMAND	18661	17890	16705	13642
Frequency (Hz)	49.92	49.89	49.93	49.76

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 21:56 Hrs	49.68 Hz at 14:38 Hrs	49.91	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 22/Dec/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	2.87	61.81	126	115
Unit 6	0.00	0.00	0	0
Unit 7	3.99	62.20	170	152
Unit 8	12.16	184.05	534	490
Total	19.02	308.05		
Bhusawal				
Unit 2	4.04	71.93	180	155
Unit 3	4.18	90.56	180	165
Unit 4	10.59	230.72	500	400
Unit 5	10.46	231.69	500	400
Total	29.26	624.89		
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	3.04	65.61	133	123
Unit 3	4.34	94.86	204	168
Unit 4	4.41	96.74	194	170
Unit 5	6.87	201.70	410	0
Unit 6	6.59	91.10	400	0
Unit 7	9.62	217.18	422	357
Total	34.87	767.18		
Paras				
Unit 3	5.16	100.85	235	190
Unit 4	5.17	101.75	242	204
Total	10.33	202.60		
Khaparkheda				
Unit 1	3.88	83.87	175	135
Unit 2	3.96	85.92	195	140
Unit 3	4.15	79.78	183	166
Unit 4	4.00	71.45	169	163
Unit 5	4.85	206.91	495	0
Total	20.83	527.93		
Nasik				
Unit 3	4.44	69.10	195	105
Unit 4	4.60	83.54	197	184
Unit 5	4.65	101.92	199	188
Total	13.69	254.56		
Uran				
All Units	9.14	182.50	475	252
Total	9.14	182.50		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.33	4.67	50	0
Total	0.33	4.67		
Koyna				
Stage 1-2	2.22	52.16	365	35
Stage 4	0.58	18.05	208	0
Stage 3	1.27	15.71	160	0
Total	4.07	85.92		
Hydro				
KDPH	0.00	12.45	0	0
VTRNA	0.56	12.22	61	0
TILLARI	0.00	2.41	0	0
BHTGR/VEER	0.02	0.97	1	0
BHIRA T.R.	0.20	3.48	40	0
RNGR+BHTSA	0.34	5.68	15	14
BHANDARDRA	0.00	8.78	0	0
ELDARY	0.00	1.65	0	0
SMLHY_PTN	1.06	16.58	45	44
GHATGHAR	0.43	25.96	125	0
Total	2.61	90.17		
Wind				
Total	4.94	122.10	0	0
Total	4.94	122.10		
CPP				
APML(Mus)	51.02	1106.62	0	0
JSWEL(Mus)	21.37	496.77	0	0
VIPL(Mus)	10.14	208.63	0	0
RPLAMT(Mus)	17.70	464.20	0	0
WPCL(Mus)	5.48	120.16	0	0
Other(Mus)	10.71	240.08	0	0
Total	116.42	2636.47		
SOLAR				
Total	1.21	24.95	0	0
Total	1.21	24.95		
Tata				
Trombay 5	7.99	193.84	443	314
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.68	40.37	115	50
Trombay 7B	1.21	28.12	67	41
Trombay 8	5.22	117.44	250	199
TATA Hydro	3.47	60.00	358	0
Total	19.57	439.77		
R-INFRA				
1-2	9.75	222.71	410	404
Total	9.75	222.71		

Infirm Power	Chandrapur 8	0.00
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Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	128.00	2685.21
MSPGCL Thml+Gas	137.14	2867.71

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	6.68	176.09
MSPGCL Total	143.82	3043.80

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	2.80	70.20
State Total	295.71	6489.80

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 22/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	5150	479	462	6091	314	4374	0	2253	2452	-557	12674	15	12689	1615	14304	49.92
2	4917	420	474	5811	270	4377	0	2555	2460	-445	12473	11	12484	1503	13987	49.97
3	4938	270	473	5681	281	4366	0	2363	2352	-389	12291	11	12302	1445	13747	49.96
4	4914	255	465	5634	271	4379	0	2361	2314	-387	12211	11	12222	1420	13642	49.76
5	4871	267	475	5613	277	4370	0	2661	2668	-390	12538	11	12549	1423	13972	49.93
6	4980	259	465	5704	308	4371	0	3479	3344	-478	13249	21	13270	1522	14792	49.91
7	5235	312	465	6012	274	4441	0	4308	4347	-561	14513	29	14542	1680	16222	49.86
8	5549	626	465	6640	240	4809	9	4561	4451	-611	15538	31	15569	1822	17391	49.87
9	5675	457	464	6596	156	5214	67	4748	4659	-786	15906	28	15934	2073	18007	49.85
10	5923	213	465	6601	110	5369	113	4867	4600	-898	15895	15	15910	2365	18275	49.88
11	6063	200	448	6711	115	5388	155	4905	4783	-1026	16126	15	16141	2520	18661	49.92
12	5974	199	442	6615	116	5401	180	4911	4645	-1176	15781	22	15803	2577	18380	49.92
13	5615	199	335	6149	167	5314	184	4654	4706	-1199	15321	29	15350	2540	17890	49.89
14	5545	132	252	5929	212	5270	158	4622	4682	-1051	15200	27	15227	2363	17590	49.96
15	5316	184	263	5763	236	5120	167	4616	4600	-1084	14802	21	14823	2361	17184	49.86
16	5244	476	275	5995	217	5030	106	4613	4790	-992	15146	9	15155	2352	17507	49.85
17	5261	499	268	6028	204	4915	60	4360	4410	-975	14642	9	14651	2357	17008	49.91
18	5253	287	299	5839	170	4909	9	3528	3605	-914	13618	9	13627	2359	15986	49.95
19	5305	176	306	5787	255	5033	0	4506	4164	-1022	14217	9	14226	2441	16667	49.92
20	5243	184	310	5737	171	4932	0	4670	4552	-1110	14282	10	14292	2413	16705	49.93
21	5232	169	315	5716	159	4776	0	4126	3970	-1082	13539	10	13549	2247	15796	49.93
22	5250	159	317	5726	124	4783	0	3172	3241	-1083	12791	10	12801	2105	14906	49.98
23	5292	159	318	5769	138	4754	0	2664	2255	-874	12042	9	12051	1889	13940	49.94
24	5255	99	316	5670	154	4732	0	2558	2438	-714	12280	9	12289	1729	14018	49.98
MUs	128.00	6.68	9.14	143.82	4.94	116.43	1.21	92.06	90.49	-19.80	337.07	0.38	337.45	49.12	386.58	49.91

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 22/Dec/2015

Position as on 6.30 Hrs of 23/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	
IPP	RPL(AMT) U-5	270	20/12/2015	09.17	22/12/2015	17.45	P.A.Fan Problem	
IPP	RPL(AMT) U-4	270	20/12/2015	20.55	22/12/2015	15.05	ID Fan Problem	
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	
MSPGCL	Khaparkheda Unit 5	500	22/12/2015	12.14		Continued.	Boiler Tube Leakage	
MSPGCL	Uran Unit B0	120	22/12/2015	12.54		Continued.	Gas shortage	
MSPGCL	Uran Unit 8	108	22/12/2015	12.58		Continued.	Gas shortage	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 22/Dec/2015

Statement-VII

Position as on 6.30 Hrs of 23/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	22/12/2015	08.57	PO	Line Rectification Work.
Kolhapur Solapur (PG) II	InterState	17/12/2015	08.15	22/12/2015	09.28	PO	Line Rectification Work.
Karad Solapur (PG)	InterState	21/12/2015	16.16	22/12/2015	07.33	EO	Attending Hot Spot
Dhule Sar'Sarovar I	InterState	21/12/2015	18.04	22/12/2015	07.02	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	22/12/2015	17.24	23/12/2015	06.49	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	22/12/2015	21.27	23/12/2015	06.44	HT	Over Voltage
Akola II - Taptitanda ckt-II	IntraState	06/10/2015	09.44	22/12/2015	12.13	HT	For Controlling Line Loading.
Babhaleshwar-Taptitanda ckt-I	IntraState	19/12/2015	07.28		Continued.	HT	Over Voltage (RFG 17.58 Hrs)
Bhusawal-Aurangabad	IntraState	21/12/2015	17.07	22/12/2015	09.04	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	21/12/2015	17.09	22/12/2015	07.44	HT	Over Voltage
Kalwa - Kharghar	IntraState	22/12/2015	06.03	22/12/2015	09.56	PO	paint of tower work
karad -kolhapur-II	IntraState	22/12/2015	06.45	22/12/2015	08.54	HT	Over Voltage
N.Koyna-Karad -Ckt I	IntraState	22/12/2015	09.40		Continued.	PO	R M Work (RFC 19.44)
Babhaleshwar-Taptitanda ckt-I	IntraState	22/12/2015	12.14	22/12/2015	17.20	OO	line rectification work
Akola II - Taptitanda ckt-I	IntraState	22/12/2015	12.15		Continued.	PO	change over & availed outage
karad -kolhapur-II	IntraState	22/12/2015	16.36		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	22/12/2015	16.59		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	22/12/2015	17.02	23/12/2015	06.45	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	22/12/2015	20.41		Continued.	HT	Over Voltage
Kalwa - Kharghar	IntraState	23/12/2015	06.16		Continued.	PO	paint of tower work
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	22/12/2015	08.40	22/12/2015	18.36	PO	Testing 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.
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
Wadkhali - 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
Pophali - Pedambe II	IntraState	22/12/2015	07:30	22/12/2015	19:05	PO	Annual Maintenance work of Bus section II at Pophali
Pophali - New Koyna	IntraState	22/12/2015	07:51	22/12/2015	18:50	PO	Annual maintenance work of Bus section II at Pophali
Bus Section II @ Pophali	IntraState	22/12/2015	07:51	22/12/2015	18:50	T	Annual Maintenance work of Bus Section II
Pophali - Nerale	IntraState	22/12/2015	07:51	22/12/2015	19:50	PO	Annual Maintenance of Bus section II at pophali

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 22/Dec/2015

Statement-VII

Position as on 6.30 Hrs of 23/Dec/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Bhaveghar - Kolshet	IntraState	22/12/2015	11.36	22/12/2015	14.08	PO	Commissionig of scada
Mahad - Posco	IntraState	22/12/2015	12.55	22/12/2015	19.45	PO	Lilo arrangement at kandalgaon
Kharghar Trombay	IntraState	22/12/2015	16.43	22/12/2015	18.35	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
110 KV LINE Outages/Trippings							
Borivli Malad 2	IntraState	22/12/2015	15.54	22/12/2015	15.58	T	Distance Protection

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