

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 23/Dec/2015 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	128.707	2813.921	1) Gujrat	-5.852	-16.197
2) Hydro	5.884	181.973	2) Madhya Pradesh	4.636	145.306
3) Gas	7.501	189.997	3) Chattisgarh	5.060	109.010
Total MSPGCL	142.092	3185.891	4) Maharashtra Net	73.651	1842.019
B) 1) APML	49.182	1155.804	5) Goa (Amona)	-0.516	-12.282
2) JSWEL	20.051	516.822	6) TAPS 1&2 Injection	3.694	81.637
3) VIPL	10.148	218.782	7) RGPPL Injection	6.354	144.805
4) RPL(AMT)	24.966	489.166	8) Pench (MS)	0.241	4.913
5) WPCL	5.491	125.649	9) Pench (Excess)	-0.241	-4.913
6) Other IPP	10.966	251.050	Total	86.786	2289.385
C) 1) TPCL Thermal	13.253	324.534	a) Mumbai Schedule	16.026	404.074
2) TPCL Hydro	3.486	63.488	b) Mumbai Drawl	19.067	531.100
3) TPCL Gas	2.187	70.675	c) MSEDCL Bilateral *	15.330	560.323
4) R-INFRA Thermal	9.743	232.454	Include PX	-7.351	-65.633
D) STATE			d) Mumbai Bilateral *	16.026	404.074
1) Thermal	272.507	6128.182	Include PX	-0.060	12.788
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	9.370	245.461	H) ENERGY CATERED (MUs)		
3) Gas	9.688	260.672	1) MSEDCL	334.861	7852.745
4) Wind	3.097	125.196	2) Mumbai Discoms	47.736	1222.238
6) SOLAR	1.149	26.100	TOTAL STATE	382.597	9074.983
TOTAL STATE	295.811	6785.611			

* 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 4 Hrs
MSPGCL Thermal	5586	5593	5300	5274
MSPGCL Hydro	440	134	654	105
MSPGCL Gas	305	298	302	319
MSPGCL Total Generation	6331	6025	6256	5698
Central Sector Receipt	4636	4281	4264	1744
WIND	73	39	92	193
CPP / IPP	5610	5561	4876	4755
SOLAR	145	175	0	0
Exchange with Mumbai	-914	-993	-1193	-279
MSEDCL DEMAND MET	15881	15088	14295	12111
Load Shedding	15	15	9	11
MSEDCL DEMAND	15896	15103	14304	12122
TPCL GENERATION	1126	1035	834	610
R-INFRA GENERATION	406	406	405	407
MUMBAI DEMAND	2446	2434	2432	1296
STATE DEMAND MET	18327	17522	16727	13407
STATE DEMAND	18342	17537	16736	13418
Frequency (Hz)	49.91	49.91	49.93	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 06:01 Hrs	49.71 Hz at 06:40 Hrs	49.93	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 23/Dec/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	2.94	64.75	126	120
Unit 6	0.00	0.00	0	0
Unit 7	4.15	66.35	180	162
Unit 8	12.27	196.32	557	484
Total	19.37	327.42		
Bhusawal				
Unit 2	4.06	75.99	180	155
Unit 3	4.16	94.72	180	165
Unit 4	10.56	241.28	500	410
Unit 5	10.69	242.38	500	430
Total	29.47	654.36		
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	3.09	68.70	132	123
Unit 3	4.36	99.22	204	169
Unit 4	4.40	101.14	198	170
Unit 5	9.27	210.97	420	374
Unit 6	9.41	100.50	420	370
Unit 7	9.56	226.74	430	374
Total	40.08	807.27		
Paras				
Unit 3	5.11	105.95	222	202
Unit 4	5.33	107.08	255	208
Total	10.44	213.04		
Khaparkheda				
Unit 1	3.74	87.61	165	135
Unit 2	3.70	89.62	180	115
Unit 3	4.15	83.93	183	165
Unit 4	3.99	75.44	185	160
Unit 5	0.00	206.91	0	0
Total	15.58	543.51		
Nasik				
Unit 3	4.62	73.72	200	185
Unit 4	4.52	88.06	195	179
Unit 5	4.64	106.56	198	187
Total	13.77	268.33		
Uran				
All Units	7.50	190.00	331	284
Total	7.50	190.00		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.24	4.91	47	0
Total	0.24	4.91		
Koyna				
Stage 1-2	1.91	54.06	325	40
Stage 4	0.37	18.42	175	0
Stage 3	0.00	15.71	0	0
Total	2.28	88.20		
Hydro				
KDPH	0.00	12.45	0	0
VTRNA	0.57	12.79	61	0
TILLARI	0.00	2.41	0	0
BHTGR/VEER	0.06	1.02	3	2
BHIRA T.R.	0.22	3.70	40	0
RNGR+BHTSA	0.34	6.02	15	14
BHANDARDRA	0.00	8.78	0	0
ELDARY	0.00	1.65	0	0
SMLHY_PTN	0.90	17.48	38	37
GHATGHAR	1.51	27.47	240	0
Total	3.60	93.78		
Wind				
Total	3.10	125.20	0	0
Total	3.10	125.20		
CPP				
APML(Mus)	49.18	1155.80	0	0
JSWEL(Mus)	20.05	516.82	0	0
VIPL(Mus)	10.15	218.78	0	0
RPLAMT(Mus)	24.97	489.17	0	0
WPCL(Mus)	5.49	125.65	0	0
Other(Mus)	10.97	251.05	0	0
Total	120.80	2757.27		
SOLAR				
Total	1.15	26.10	0	0
Total	1.15	26.10		
Tata				
Trombay 5	8.18	202.02	467	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.21	41.58	51	50
Trombay 7B	0.98	29.10	42	39
Trombay 8	5.07	122.51	247	199
TATA Hydro	3.49	63.49	373	0
Total	18.93	458.70		
R-INFRA				
1-2	9.74	232.45	409	403
Total	9.74	232.45		

Infirm Power	Chandrapur 8	0.00
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Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	128.71	2813.92
MSPGCL Thml+Gas	136.21	3003.92

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	5.88	181.97
MSPGCL Total	142.09	3185.89

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	2.28	72.48
State Total	295.81	6785.61

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 23/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	5297	100	317	5714	154	4756	0	2483	2288	-500	12412	15	12427	1513	13940	49.94
2	5291	95	327	5713	161	4755	0	2316	2076	-380	12325	11	12336	1397	13733	49.95
3	5264	95	327	5686	167	4746	0	2124	1923	-323	12199	11	12210	1336	13546	49.98
4	5274	105	319	5698	193	4755	0	1986	1744	-279	12111	11	12122	1296	13418	49.95
5	5302	100	330	5732	230	4750	0	2155	2045	-295	12462	11	12473	1311	13784	49.97
6	5265	95	321	5681	170	4758	0	3200	2940	-396	13153	15	13168	1418	14586	49.95
7	5296	95	331	5722	187	4762	0	4311	4055	-543	14183	15	14198	1586	15784	49.87
8	5260	554	328	6142	174	4856	7	4577	4806	-531	15454	15	15469	1732	17201	49.81
9	5507	540	322	6369	134	5330	58	4623	4633	-690	15834	20	15854	2012	17866	49.90
10	5573	382	324	6279	114	5575	118	4731	4652	-823	15915	15	15930	2301	18231	49.93
11	5586	440	305	6331	73	5610	145	4786	4636	-914	15881	15	15896	2446	18342	49.91
12	5606	295	309	6210	44	5635	161	4714	4641	-975	15716	15	15731	2467	18198	49.93
13	5593	134	298	6025	39	5561	175	4601	4281	-993	15088	15	15103	2434	17537	49.91
14	5430	139	284	5853	76	5401	170	4580	4296	-993	14803	13	14816	2331	17147	49.98
15	5340	229	294	5863	121	5295	151	4573	4659	-1058	15031	9	15040	2326	17366	49.91
16	5350	228	291	5869	111	5287	102	4568	4649	-1027	14991	9	15000	2325	17325	49.92
17	5325	234	303	5862	97	5221	55	4273	4363	-1045	14553	9	14562	2340	16902	49.95
18	5313	411	312	6036	107	4953	7	3352	3491	-1133	13461	9	13470	2355	15825	49.94
19	5300	654	302	6256	92	4876	0	4371	4264	-1193	14295	9	14304	2432	16736	49.93
20	5304	359	303	5966	86	4796	0	4570	4552	-1175	14225	9	14234	2409	16643	49.91
21	5330	174	313	5817	145	4791	0	3827	3757	-1200	13310	9	13319	2285	15604	49.92
22	5332	169	313	5814	112	4792	0	3053	3044	-1025	12737	9	12746	2076	14822	49.97
23	5303	164	304	5771	150	4780	0	2505	2547	-877	12371	9	12380	1895	14275	49.92
24	5266	93	324	5683	160	4763	0	2579	2444	-699	12351	9	12360	1713	14073	49.98
MUs	128.7 1	5.88	7.50	142.09	3.10	120.80	1.15	88.86	86.79	-19.07	334.86	0.29	335.15	47.74	382.88	49.93

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 23/Dec/2015

Position as on 6.30 Hrs of 24/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 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	
IPP	JSW (J) U3	300	23/12/2015	13.18		Continued.	Economic shutdown	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 23/Dec/2015

Statement-VII

Position as on 6.30 Hrs of 24/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							
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
Dhule Sar'Sarovar I	InterState	23/12/2015	18.05		Continued.	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	23/12/2015	21.55		Continued.	HT	Over Voltage
Koradi Bhilai	InterState	24/12/2015	03.20	24/12/2015	04.29	T	Distance Protection
Dabhol Nagothane II	InterState	24/12/2015	03.30		Continued.	T	Over Voltage
Karad Solapur (PG)	InterState	24/12/2015	06.13		Continued.	T	Distance Protection
Babhaleshwar-Taptitanda ckt-I	IntraState	19/12/2015	07.28		Continued.	HT	Over Voltage (RFG 17.58 Hrs)
N.Koyna-Karad -Ckt I	IntraState	22/12/2015	09.40	23/12/2015	09.23	PO	R M Work (RFC 19.44)
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	23/12/2015	09.02	HT	Over Voltage
Karad - Jaigad - II	IntraState	22/12/2015	16.59	23/12/2015	09.31	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	23/12/2015	08.50	HT	Over Voltage
Kalwa - Kharghar	IntraState	23/12/2015	06.16	23/12/2015	09.42	PO	Cross Arm Painting work
Padghe - Nagothane - II	IntraState	23/12/2015	09.46		Continued.	HT	Insulator repl.work(RFC 19.45Hrs)
Chandrapur2-Parali 2 ckt1	IntraState	23/12/2015	12.21	23/12/2015	12.54	HT	To out Reactor
karad -kolhapur-I	IntraState	23/12/2015	16.11		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	23/12/2015	16.21		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	23/12/2015	17.04		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	23/12/2015	21.27		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
400/220/33 kV 315 MVA ICT-I @Chandrapur	IntraState	23/12/2015	08.26		Continued.	PO	Measurement of Tan Delta of ICT Bushing
400/220 Kv 600 MVA ICT-II @Kalwa	IntraState	23/12/2015	15.55		Continued.	PO	Y & B Phase Unit replacement(For 10days)
220 KV LINE Outages/Trippings							
Borivali - Tarapur	InterState	16/12/2015	09.34		Continued.	PO	Tower Erection and Stringing 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.
Wadkhall - Ndil3	IntraState	14/11/2015	10.58		Continued.	PO	Strengthening work
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
Wadkhall - Ipcl 2	IntraState	19/12/2015	11.00		Continued.	PO	Conductor Replacement Work With High Amacity Conductor.
Ambazari-Amravati	IntraState	23/12/2015	10.40	23/12/2015	18.17	PO	Conversion of SSN to DSN
Wadkhall - Ndil 2	IntraState	23/12/2015	10.55		Continued.	PO	Strengthening work
Wadkhall - Ipcl 1	IntraState	23/12/2015	11.00	23/12/2015	11.25	T	Bus Bar prot.operated at Wadkhall

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 23/Dec/2015

Statement-VII

Position as on 6.30 Hrs of 24/Dec/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Osmanabad - Solapur (Bale)	IntraState	23/12/2015	12.07	23/12/2015	17.00	EO	To attend Hot Spot
Parli 3 (Old Gcr)-Osmanabad	IntraState	23/12/2015	12.26	23/12/2015	13.09	T	Distance Protection
IPCL - SPCL	IntraState	23/12/2015	13.48	23/12/2015	19.38	EO	Attending Oil Leakage
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 Kv 200 Mva Vijay Ict 1 @Chalisgaon	IntraState	23/12/2015	10.41	23/12/2015	12.25	PO	Attending Oil Leakage

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