

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 20/Jan/2016 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	119.433	2281.854	1) Gujrat	-2.673	-58.699
2) Hydro	9.629	191.650	2) Madhya Pradesh	6.395	131.206
3) Gas	10.890	205.505	3) Chattisgarh	5.160	92.200
Total MSPGCL	139.952	2679.009	4) Maharashtra Net	66.643	1459.100
B) 1) APML	46.272	951.112	5) Goa (Amona)	-0.494	-10.075
2) JSWEL	26.965	455.714	6) TAPS 1&2 Injection	3.676	73.564
3) VIPL	5.147	187.447	7) RGPPL Injection	6.176	119.741
4) RPL(AMT)	23.651	466.713	8) Pench (MS)	0.464	8.742
5) WPCL	4.608	91.727	9) Pench (Excess)	-0.464	-8.742
6) Other IPP	10.256	206.997	Total	84.419	1798.295
C) 1) TPCL Thermal	12.408	275.007	a) Mumbai Schedule	9.694	281.165
2) TPCL Hydro	3.220	44.320	b) Mumbai Drawl	21.519	444.096
3) TPCL Gas	3.687	75.075	c) MSEDCL Bilateral *	28.309	437.399
4) R-INFRA Thermal	4.875	117.696	Include PX	-2.172	-99.841
D) STATE			d) Mumbai Bilateral *	9.694	281.165
1) Thermal	253.615	5034.267	Include PX	1.921	47.553
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro (A2+C2)	12.849	235.970	H) ENERGY CATERED (MUs)		
3) Gas (A3+C3)	14.577	280.580	1) MSEDCL	326.563	6485.469
4) Wind	5.579	70.566	2) Mumbai Discoms	45.709	956.204
6) SOLAR	1.233	21.985	TOTAL STATE	372.272	7441.673
TOTAL STATE	287.853	5643.368			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 10 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 5 Hrs
MSPGCL Thermal	5076	5067	5024	4883
MSPGCL Hydro	1004	85	1055	62
MSPGCL Gas	479	467	462	486
MSPGCL Total Generation	6559	5619	6541	5431
Central Sector Receipt	4529	4889	4024	1440
WIND	243	68	217	398
CPP / IPP	5399	5074	4757	4744
SOLAR	110	187	0	0
Exchange with Mumbai	-1018	-1003	-1420	-361
MSEDCL DEMAND MET	15822	14834	14119	11652
Load Shedding	12	12	9	9
MSEDCL DEMAND	15834	14846	14128	11661
TPCL GENERATION	1027	1133	685	665
R-INFRA GENERATION	203	204	204	202
MUMBAI DEMAND	2248	2340	2309	1228
STATE DEMAND MET	18070	17174	16428	12880
STATE DEMAND	18082	17186	16437	12889
Frequency (Hz)	49.94	49.90	49.96	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.25 Hz at 22:00 Hrs	49.77 Hz at 18:36 Hrs	49.98	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/Jan/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	3.09	48.42	150	0
Unit 6	0.00	0.00	0	0
Unit 7	3.79	71.17	165	150
Unit 8	11.38	119.06	565	372
Total	18.26	238.65		
Bhusawal				
Unit 2	4.08	78.04	175	165
Unit 3	4.14	82.69	180	160
Unit 4	9.24	194.32	405	370
Unit 5	9.26	195.24	400	375
Total	26.72	550.30		
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	4.06	83.24	181	163
Unit 4	4.20	86.14	188	160
Unit 5	0.00	0.00	0	0
Unit 6	9.35	185.43	410	365
Unit 7	9.22	194.27	410	365
Total	26.83	582.96		
Paras				
Unit 3	4.64	79.96	204	186
Unit 4	4.72	97.31	204	190
Total	9.37	177.27		
Khaparkheda				
Unit 1	3.77	76.12	165	150
Unit 2	4.11	81.98	180	150
Unit 3	3.79	80.59	166	150
Unit 4	3.52	72.64	171	0
Unit 5	9.55	189.28	500	365
Total	24.74	500.60		
Nasik				
Unit 3	4.58	82.12	200	175
Unit 4	4.40	66.91	190	179
Unit 5	4.53	83.04	196	172
Total	13.52	232.08		
Uran				
All Units	10.89	205.50	489	312
Total	10.89	205.50		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.46	8.74	20	15
Total	0.46	8.74		
Koyna				
Stage 1-2	3.82	69.97	435	40
Stage 4	1.72	42.01	586	0
Stage 3	1.53	24.46	240	0
Total	7.08	136.44		
Hydro				
KDPH	0.00	6.42	0	0
VTRNA	0.63	12.14	61	0
TILLARI	0.00	1.48	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.14	2.44	77	0
RNGR+BHTSA	0.24	4.28	11	10
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.28	10.90	12	11
GHATGHAR	1.27	17.54	250	0
Total	2.55	55.21		
Wind				
Total	5.58	70.57	0	0
Total	5.58	70.57		
CPP				
APML(Mus)	46.27	951.11	0	0
JSWEL(Mus)	26.96	455.71	0	0
VIPL(Mus)	5.15	187.45	0	0
RPLAMT(Mus)	23.65	466.71	0	0
WPCL(Mus)	4.61	91.73	0	0
Other(Mus)	10.26	207.00	0	0
Total	116.90	2359.71		
SOLAR				
Total	1.23	21.98	0	0
Total	1.23	21.98		
Tata				
Trombay 5	7.58	170.43	317	314
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.24	47.02	102	89
Trombay 7B	1.44	28.06	63	58
Trombay 8	4.83	104.58	204	199
TATA Hydro	3.22	44.32	453	6
Total	19.32	394.40		
R-INFRA				
1-2	4.88	117.70	205	202
Total	4.88	117.70		

Infirm Power	Chandrapur 8	0.00
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Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	119.43	2281.85
MSPGCL Thml+Gas	130.32	2487.36

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	9.63	191.65
MSPGCL Total	139.95	2679.01

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	5.54	111.98
State Total	287.85	5643.37

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 20/Jan/2016

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	5139	73	484	5696	171	4731	0	1754	1791	-551	11838	9	11847	1416	13263	50.09
2	5123	63	484	5670	227	4741	0	1693	1651	-433	11856	9	11865	1299	13164	50.06
3	5027	63	474	5564	265	4716	0	1713	1739	-377	11907	9	11916	1244	13160	50.12
4	4951	62	484	5497	384	4743	0	1562	1542	-343	11823	9	11832	1208	13040	50.01
5	4883	62	486	5431	398	4744	0	1413	1440	-361	11652	9	11661	1228	12889	50.03
6	4801	207	486	5494	376	4718	0	2311	3150	-482	13256	12	13268	1351	14619	49.94
7	4817	244	472	5533	349	4751	0	3763	3880	-688	13825	12	13837	1555	15392	49.94
8	4859	1273	489	6621	351	4911	4	4319	4452	-843	15496	12	15508	1717	17225	49.96
9	4975	1069	485	6529	287	5212	49	4523	4663	-947	15793	12	15805	1943	17748	49.98
10	5076	1004	479	6559	243	5399	110	4661	4529	-1018	15822	12	15834	2248	18082	49.94
11	5135	558	465	6158	160	5490	152	4758	4839	-1095	15704	12	15716	2340	18056	49.97
12	5222	280	436	5938	102	5416	178	4796	4684	-1070	15248	12	15260	2379	17639	49.94
13	5067	85	467	5619	68	5074	187	4752	4889	-1003	14834	12	14846	2340	17186	49.90
14	5015	231	444	5690	41	4810	178	4649	4727	-979	14467	12	14479	2196	16675	49.93
15	5005	266	435	5706	56	4748	159	4439	4732	-912	14489	9	14498	2230	16728	49.93
16	4987	566	452	6005	59	4754	124	4594	4645	-1008	14579	9	14588	2234	16822	49.95
17	5023	426	454	5903	35	4750	73	4410	4594	-1228	14127	9	14136	2227	16363	49.94
18	5006	578	436	6020	41	4744	19	3196	3479	-1232	13071	9	13080	2223	15303	49.93
19	5002	719	456	6177	148	4736	0	3691	4063	-1268	13856	9	13865	2258	16123	49.92
20	5024	1055	462	6541	217	4757	0	4023	4024	-1420	14119	9	14128	2309	16437	49.96
21	5021	314	465	5800	331	4759	0	3874	3845	-1272	13463	9	13472	2155	15627	50.00
22	4849	202	467	5518	401	4747	0	2933	2817	-1202	12281	9	12290	2083	14373	50.05
23	4729	128	312	5169	439	4724	0	2159	2366	-964	11734	9	11743	1835	13578	49.99
24	4697	101	316	5114	430	4725	0	1756	1878	-823	11324	9	11333	1691	13024	50.05
MUs	119.4 3	9.63	10.89	139.95	5.58	116.90	1.23	81.74	84.42	-21.52	326.56	0.24	326.81	45.71	372.52	49.98

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/Jan/2016

Position as on 6.30 Hrs of 21/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	Koyana Unit 10	80	29/12/2015	08:00		Continued.	Annual Overhaul	
RINFRA-G	REL Unit 1	250	03/01/2016	23.46		Continued.	Annual Overhaul	
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	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	
IPP	Adani U-4	660	14/12/2015	06.55		Continued.	Hot air line leakage	
MSPGCL	Chandrapur Unit 5	500	27/12/2015	18.50		Continued.	Capital Overhaul.	
MSPGCL	Koyana STG-IV Unit-3	250	06/01/2016	11.00		Continued.	Spherical Valve Problem	
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	
IPP	VIPL U-2	300	18/01/2016	01.30	21/01/2016	05.17	Boiler Tube Leakage	
MSPGCL	Uran Unit 5	108	19/01/2016	14.34		Continued.	Overhauling	
MSPGCL	Khaparkheda Unit 4	210	20/01/2016	21.07		Continued.	Turbine gland box bolt broken	
MSPGCL	Uran Unit 7	108	20/01/2016	22.07		Continued.	Gas shortage	
MSPGCL	Koradi Unit 5	200	20/01/2016	22.10	20/01/2016	22.11	Boiler Tube Leakage	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Jan/2016

Statement-VII

Position as on 6.30 Hrs of 21/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							
Dhule Sar'Sarovar I	InterState	19/01/2016	13.10	20/01/2016	09.40	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	19/01/2016	16.58	20/01/2016	07.33	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	20/01/2016	01.59	20/01/2016	06.42	HT	Over Voltage
Parli(MS)-Parli (PG) I	InterState	20/01/2016	11.28	20/01/2016	19.00	PO	Annual Maintenance Work
Chandrapur II - Dhariwal -I	InterState	20/01/2016	13.13		Continued.	PO	Fixing of interface meter & corana ring/spacer to line
Kolhapur Solapur (PG) II	InterState	20/01/2016	16.33		Continued.	T	Over Voltage
Dhule Sar'Sarovar I	InterState	20/01/2016	18.16		Continued.	HT	Over Voltage
Akola II - Taptitanda ckt-II	IntraState	31/12/2015	18.16		Continued.	HT	Change over
Karad - Jaigad - II	IntraState	18/01/2016	16.11		Continued.	HT	Over Voltage
karad -kolhapur-I	IntraState	19/01/2016	16.12	20/01/2016	09.50	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	19/01/2016	16.49	20/01/2016	09.43	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	19/01/2016	17.13	20/01/2016	07.32	HT	Over Voltage
Babhaleshwar-Taptitanda ckt-II	IntraState	20/01/2016	10.39		Continued.	PO	Balnce line Rectification work
Chandrapur II- Warora ckt II	IntraState	20/01/2016	10.50	20/01/2016	18.46	EO	Attending Hot Spot
Koradi-India Bulls	IntraState	20/01/2016	11.40		Continued.	PO	Taken on TBC work isolator repair & alignment
karad -kolhapur-II	IntraState	20/01/2016	16.07		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	20/01/2016	17.03		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	20/01/2016	21.14		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 II @Karad	IntraState	20/01/2016	10.46	20/01/2016	18.21	PO	Annual Maintenance Work
400/220 KV 500 MVA ICT- I @Warora	IntraState	20/01/2016	11.35	20/01/2016	16.45	PO	Supervisory protection trial
220 KV LINE Outages/Trippings							
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.
Parli 2-(Girwali) -Murud	IntraState	31/12/2015	10.15		Continued.	PO	Replacement of Bus and Line side Isolator
Dahanu Versova	IntraState	04/01/2016	08.35		Continued.	PO	Dismantling of broad base tower & Erection of narrow base tower.
Boisar Versova Line	IntraState	04/01/2016	08.47		Continued.	PO	Dismantling of broad base tower & Erection of narrow base tower.
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.
Babhleshwar- Ranjangaon	IntraState	20/01/2016	12.05	20/01/2016	17.06	PO	Insulator Replacement Work
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Internal Fault
Carnac : 220 / 110 / 33 315 MVA ICT 5	IntraState	07/01/2016	05.10		Continued.	T	Failure of 33KV Spare Breaker
220/100 Kv 200 MVA ICT I @Apta	IntraState	20/01/2016	09.49	20/01/2016	15.14	PO	Diagnostic testing

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