

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 21/Dec/2016 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	144.050	2897.432	1) Gujrat	-4.379	-56.458
2) Hydro	20.492	411.831	2) Madhya Pradesh	5.277	139.224
3) Gas	10.468	200.487	3) Chattisgarh	7.200	152.330
Total MSPGCL	175.010	3509.750	4) Maharashtra Net	112.826	2311.191
B) 1) APML	43.785	1024.719	5) Goa (Amona)	-0.640	-13.632
2) JSWEL	11.766	229.584	Total	120.284	2532.655
3) VIPL	12.387	256.705	a) Mumbai Schedule	20.229	439.644
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	21.840	490.128
5) WPCL	4.190	79.764	c) MSEDCL Bilateral *	31.946	499.969
6) PGPL	0.000	27.691	Include PX	-2.299	8.424
7) Other IPP	9.077	191.943	d) Mumbai Bilateral *	20.229	439.644
C) 1) TPCL Thermal	11.521	211.976	Include PX	1.822	69.914
2) TPCL Hydro	5.416	94.691	Include Standby	0.000	0.000
3) TPCL Gas	4.152	83.057	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.485	219.871	1) MSEDCL	359.406	7577.033
D) STATE			2) Mumbai Discoms	53.414	1099.720
1) Thermal	247.261	5111.994	TOTAL STATE	412.820	8676.753
(A1+C1+C4+(B1-B6))					
2) Hydro	25.908	506.522			
(A2+C2)					
3) Gas	14.620	311.235			
(A3+B6+C3)					
4) Wind	3.488	189.364			
6) SOLAR	1.259	24.986			
TOTAL STATE	292.536	6144.101			

* 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 3 Hrs
MSPGCL Thermal	6559	6536	6216	5483
MSPGCL Hydro	1853	1943	541	128
MSPGCL Gas	429	421	442	443
MSPGCL Total Generation	8841	8900	7199	6054
Central Sector Receipt	5650	5798	5663	3610
WIND	92	39	123	285
CPP / IPP Thermal	3642	3260	3409	3273
CPP / IPP Gas	0	0	0	0
SOLAR	170	196	0	0
Exchange with Mumbai	-1018	-962	-1231	-706
MSEDCL DEMAND MET	17377	17231	15163	12516
Load Shedding	0	0	0	0
MSEDCL DEMAND	17377	17231	15163	12516
TPCL GENERATION	1179	1240	1043	468
R-INFRA GENERATION	503	508	385	385
MUMBAI DEMAND	2700	2710	2659	1559
STATE DEMAND MET	20077	19941	17822	14075
STATE DEMAND	20077	19941	17822	14075
Frequency (Hz)	49.96	49.95	49.99	49.93

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 06.02 Hrs	49.76 Hz at 06.43 Hrs	49.96	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/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	0.00	0.00	0	0
Unit 6	0.00	0.00	0	0
Unit 7	0.00	41.25	0	0
Unit 8	0.00	144.07	0	0
Unit 9	8.14	191.54	356	310
Total	8.14	376.85		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	10.48	214.52	510	355
Unit 5	10.48	212.56	510	355
Total	20.96	427.08		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.26	109.07	250	195
Unit 7	5.28	106.29	248	191
Unit 8	0.00	0.00	0	0
Total	10.54	215.36		
Chandrapur				
Unit 3	4.34	81.38	196	164
Unit 4	4.22	91.16	195	162
Unit 5	10.15	204.05	465	350
Unit 6	10.01	140.91	455	353
Unit 7	9.45	194.82	426	356
Unit 8	10.05	163.39	490	352
Unit 9	9.50	117.69	438	365
Total	57.72	993.41		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.42	111.59	258	195
Total	5.42	111.59		
Khaparkheda				
Unit 1	4.08	79.02	190	150
Unit 2	4.19	89.08	200	160
Unit 3	4.13	91.14	187	160
Unit 4	4.19	89.02	193	161
Unit 5	10.63	225.43	500	366
Total	27.22	573.68		
Nasik				
Unit 3	0.00	45.35	0	0
Unit 4	4.13	57.09	197	162
Unit 5	4.14	70.31	200	162
Total	8.27	172.75		
Uran				
All Units	10.47	200.49	461	408
Total	10.47	200.49		
PGPL				
Unit 1	0.00	17.05	0	0
Unit 2	0.00	10.64	0	0
Total	0.00	27.69		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.27	4.66	53	0
Total	0.27	4.66		
Koyna				
Stage 1-2	4.71	115.72	515	40
Stage 4	8.27	154.71	981	0
Stage 3	2.90	57.77	240	0
Total	15.88	328.20		
Hydro				
KDPH	0.89	8.96	38	37
VTRNA	0.44	9.00	60	0
TILLARI	0.00	5.64	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.35	5.51	80	0
RNGR+BHTSA	0.36	7.00	16	15
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.77	14.52	42	29
GHATGHAR	1.80	33.00	250	0
Total	4.62	83.64		
Wind				
Total	3.49	189.36	0	0
Total	3.49	189.36		
CPP				
APML(Mus)	43.78	1024.72	0	0
JSWEL(Mus)	11.77	229.58	0	0
VIPL(Mus)	12.39	256.70	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	4.19	79.76	0	0
Other(Mus)	9.08	191.94	0	0
Total	81.20	1782.72		
SOLAR				
Total	1.26	24.99	0	0
Total	1.26	24.99		
Tata				
Trombay 5	9.14	194.20	472	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.60	51.69	115	93
Trombay 7B	1.55	31.37	68	59
Trombay 8	2.38	17.78	203	0
TATA Hydro	5.42	94.69	459	36
Total	21.09	389.72		
R-INFRA				
1-2	10.48	219.87	510	385
Total	10.48	219.87		

* Infirm Power		
Particulars	Daily (Mus)	Monthly
Koradi 10	5.77	26.71

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	144.05	2897.43
MSPGCL Thml+Gas	154.52	3097.92
MSPGCL Hydro	20.49	411.83

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	175.01	3509.75
Koyna 1,2 & 4 Total	12.98	270.42
State Total	292.54	6144.10

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 21/Dec/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			THM	GAS										
1	5481	174	446	6101	345	3269	0	0	3808	3982	-930	12767	0	12767	1783	14550	49.99
2	5493	124	434	6051	322	3275	0	0	3842	3714	-782	12580	0	12580	1638	14218	49.96
3	5483	128	443	6054	285	3273	0	0	3705	3610	-706	12516	0	12516	1559	14075	49.93
4	5484	138	435	6057	239	3300	0	0	3620	3638	-655	12579	0	12579	1511	14090	49.93
5	5474	128	446	6048	228	3272	0	0	3901	4204	-658	13094	0	13094	1512	14606	49.94
6	5673	236	433	6342	234	3407	0	0	4699	4718	-794	13907	0	13907	1652	15559	49.96
7	6190	151	446	6787	253	3684	0	0	5627	5671	-776	15619	0	15619	1794	17413	49.93
8	6496	874	451	7821	231	3842	0	9	5568	5284	-518	16669	0	16669	1906	18575	49.95
9	6585	1485	453	8523	126	3855	0	68	5656	5855	-729	17698	0	17698	2222	19920	49.98
10	6572	1855	448	8875	78	3841	0	119	5683	5393	-782	17524	0	17524	2432	19956	49.99
11	6559	1853	429	8841	92	3642	0	170	5769	5650	-1018	17377	0	17377	2700	20077	49.96
12	6581	2118	436	9135	43	3227	0	178	5859	5754	-1054	17283	0	17283	2749	20032	49.96
13	6536	1943	421	8900	39	3260	0	196	5834	5798	-962	17231	0	17231	2710	19941	49.95
14	6520	1416	408	8344	33	3398	0	172	5715	5631	-909	16669	0	16669	2603	19272	49.98
15	6442	1496	411	8349	29	3404	0	166	5727	5943	-907	16984	0	16984	2650	19634	49.96
16	6367	1761	417	8545	28	3386	0	114	5732	5647	-898	16822	0	16822	2654	19476	49.94
17	6286	1446	424	8156	32	3404	0	60	5674	5764	-897	16519	0	16519	2646	19165	49.94
18	6159	707	427	7293	74	3417	0	7	5195	5304	-1061	15034	0	15034	2612	17646	49.93
19	6216	541	442	7199	123	3409	0	0	5427	5663	-1231	15163	0	15163	2659	17822	49.99
20	5908	614	432	6954	137	3403	0	0	5517	5108	-1224	14378	0	14378	2578	16956	50.00
21	5419	453	446	6318	136	3165	0	0	5151	5239	-1250	13608	0	13608	2483	16091	49.96
22	5358	508	437	6303	139	3030	0	0	4370	4411	-1154	12729	0	12729	2267	14996	50.01
23	5385	177	461	6023	128	3014	0	0	4333	4156	-1079	12242	0	12242	2145	14387	49.98
24	5383	166	442	5991	114	3028	0	0	4272	4147	-866	12414	0	12414	1949	14363	50.03
MUs	144.05	20.49	10.47	175.01	3.49	81.20	0.00	1.26	120.68	120.28	-21.84	359.41	0.00	359.41	53.41	412.82	49.96

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/2016

Position as on 6.30 Hrs of 22/Dec/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
TPC-G	Trombay 6	500	15/07/2015	17.08		Continued.	Economic shutdown,(AOH for 06.03.2016 To 04.04.2016) Unit Test synch.07.04.2016 (12.03 To 12.30hrs)After overhaul	
MSPGCL	Paras Unit 3	250	25/10/2016	08.54		Continued.	(Stator Fault)continued under AOH.26/10/2016 00.00hrs	
TPC_G	Trombay 8	250	03/12/2016	23.43	21/12/2016	09.06	Boiler Recertification & LP Turbine Inspection.	
MSPGCL	Koradi Unit-8	660	12/12/2016	23.59		Continued.	Annual Overhaul	
FORCED OUTAGE								
RGPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPL	Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
IPP	Dhariwal	300	28/05/2014	02.27		Continued.	No PPA.	
MSPGCL	Koradi Unit 6	210	09/07/2015	00.00		Continued.	EE R&M LE Work	
IPP	WPCL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
IPP	WPCL U-2	135	29/02/2016	21.46		Continued.	Change over against Unit III	
MSPGCL	Parli Unit 4	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Parli Unit 5	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Bhusawal Unit 2	210	14/06/2016	19.35		Continued.	Boiler Tube Leakage(Converted to Zero Shedule By MSEDCL. from 00.00Hrs dt.19-6-16)	
IPP	RPL(AMT) U-3	270	29/06/2016	03.01		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Uran Unit 8	108	14/08/2016	07.56		Continued.	Maintenance work	
RGPL	Dabhol 2A	230	24/08/2016	13.31		Continued.	Change Over.	
MSPGCL	Koradi Unit 5	200	05/09/2016	00.21		Continued.	ID Fan problem, Converted to Zero Schedule By MSEDCL from 00.00hrs/22-9-16. Shutdown taken on 18.10.2016 at 00:00Hrs for Turbine inspection and maintenance work	
MSPGCL	Bhusawal Unit 3	210	16/09/2016	00.02		Continued.	Zero Schedule by MSEDCL	
MSPGCL	Koyana Unit 11	80	24/09/2016	03.20		Continued.	Stator Earth Fault	
IPP	Adani U-1	660	06/11/2016	11.10		Continued.	Coal Shortage	
IPP	RPL(AMT) U-5	270	15/11/2016	20.00		Continued.	Zero schedule	
IPP	JSW (J) U1	300	16/11/2016	14.38		Continued.	Due To CW Duct Leakage.	
IPP	RPL(AMT) U-4	270	16/11/2016	21.03		Continued.	Zero Schedule By MSEDCL.	
IPP	RPL(AMT) U-2	270	16/11/2016	22.36		Continued.	Zero Schedule By MSEDCL.	
IPP	RPL(AMT) U-1	270	17/11/2016	17.23		Continued.	Zero Schedule.	
MSPGCL	Parli Unit 8	250	18/11/2016	16.23		Continued.	w/dn for balance work.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 21/Dec/2016

Position as on 6.30 Hrs of 22/Dec/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
IPP	JSW (J) U2	300	01/12/2016	00.00		Continued.	No Schedule.	
MSPGCL	Nasik Unit 3	210	11/12/2016	16.50		Continued.	Boiler Tube Leakage	
MSPGCL	Koradi Unit 7	210	19/12/2016	21.52		Continued.	Zero Schedule BY MSEDCL	
PGPL	PGPL U1	262	20/12/2016	18.30		Continued.	No Schedule	
PGPL	PGPL U2	126	20/12/2016	18.32		Continued.	No Schedule	
IPP	Adani U-2	660	21/12/2016	11.02		Continued.	Air preheater problem	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Dec/2016

Statement-VII

Position as on 6.30 Hrs of 22/Dec/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
500 KV LINE Outages/Trippings							
Chandrapur - Padghe Hvdc Pole 1	IntraState	21/12/2016	00.32	21/12/2016	05.55	HT	Over Voltage
Chandrapur - Padghe Hvdc Pole 2	IntraState	21/12/2016	00.33	21/12/2016	05.55	HT	Over Voltage
400 KV LINE Outages/Trippings							
Dhule Sar'Sarovar II	InterState	20/12/2016	18.08	21/12/2016	06.23	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	21/12/2016	18.40		Continued.	T	Tripped at SSNL end only on main protection operated later on H/t at dhule end at 19.11 hrs for o/v.
karad -kolhapur-I	IntraState	20/12/2016	17.03	21/12/2016	09.15	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	20/12/2016	19.46	21/12/2016	05.45	HT	Over Voltage
Karad - Jaigad - II	IntraState	20/12/2016	20.49	21/12/2016	09.19	HT	Over Voltage
Ektuni-Bableshwar ckt I	IntraState	20/12/2016	22.31	21/12/2016	07.35	HT	Over Voltage
Koradi-India Bulls	IntraState	21/12/2016	11.28	21/12/2016	05.48	PO	Y- Phase CT replacement work.
karad -kolhapur-I	IntraState	21/12/2016	19.46		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220KV 500MVA ICT-I @Nanded	IntraState	21/12/2016	00.34	21/12/2016	03.41	T	PRV Protection.
400/220/33 kV 315 MVA ICT-I @Chandrapur	IntraState	21/12/2016	16.31		Continued.	EO	Oil leakage on bushing.
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.
Kalwa - Borivali	IntraState	27/10/2016	08.32		Continued.	HT	Outage availed on28.10.2016 at 08:09 hrs for construction activity of Mumbai strenghtning work
Mulund - GIS Bhandup	IntraState	27/10/2016	08.53		Continued.	HT	outage availed on 28.10.2016 at 09:30hrs for construction activity of mumbai strenghtning work.
karad - Dasgaon	IntraState	20/12/2016	09.37		Continued.	PO	Construction Work.
Jejuri- Ismt- Lonand	IntraState	21/12/2016	02.29	21/12/2016	02.59	T	Distance Protection
Talandge-Mudshingi Ckt-I	IntraState	21/12/2016	10.00	21/12/2016	16.40	PO	Diagnostic testing.
Paranda-Barshi	IntraState	21/12/2016	10.05	21/12/2016	11.45	PO	Diagnostic testing.
Virur - Virur Rly Tss 2	IntraState	21/12/2016	11.50	21/12/2016	16.02	PO	For relay retrofitting work of numerical backup relay.
Abhijeet-Wardha-I	IntraState	21/12/2016	12.31	21/12/2016	16.23	PO	repl of Y PH LA.
Yeotmal- Pusad	IntraState	21/12/2016	13.47	21/12/2016	16.35	PO	Removal of damage OPGW between LOC 381-382.
Butibori - VIPL Ckt II	IntraState	21/12/2016	14.14	21/12/2016	17.06	PO	Distance Protection
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Failed on internal Fault(Now repaired and ready for commissioning)
220/100 Kv 50 Mva Gec Ict 1 @Kandalgaon	IntraState	15/12/2016	12.15		Continued.	PO	Augumentation Work(Outage for 3 Months).
220/22KV 100MVA T/F 4 @Mulund	IntraState	21/12/2016	10.09	21/12/2016	07.00	PO	Diagnostic testing.
132 KV LINE Outages/Trippings							
Amravati-Akola	IntraState	21/12/2016	14.26	21/12/2016	15.20	T	Distance Protection

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