

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 22/Dec/2017 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	121.769	2594.787	1) Gujrat	-1.205	16.874
2) Hydro	5.473	119.141	2) Madhya Pradesh	13.586	286.779
3) Gas	8.716	213.426	3) Chattisgarh	6.560	152.200
Total MSPGCL	135.958	2927.354	4) Maharashtra Net	100.379	2454.296
B) 1) APML	52.952	1062.996	5) Goa (Amona)	-0.880	-20.064
2) JSWEL	16.938	362.737	Total	118.440	2890.085
3) VIPL	10.239	252.396	a) Mumbai Schedule	15.777	451.714
4) RPL(AMT)	4.877	206.746	b) Mumbai Drawl	22.541	499.278
5) WPCL	3.995	90.649	c) MSEDCL Bilateral *	23.295	719.388
6) PGPL	0.000	0.000	Include PX	-7.023	64.963
7) Other IPP	17.120	270.496	d) Mumbai Bilateral *	15.777	451.714
C) 1) TPCL Thermal	12.285	222.745	Include PX	0.484	22.025
2) TPCL Hydro	4.441	104.387	Include Standby	0.000	0.000
3) TPCL Gas	3.483	83.793	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	9.092	210.379	1) MSEDCL	357.604	7885.362
D) STATE			2) Mumbai Discoms	51.842	1120.582
1) Thermal	249.267	5273.931	TOTAL STATE	409.446	9005.944
(A1+C1+C4+(B1-B6))					
2) Hydro	9.914	223.528			
(A2+C2)					
3) Gas	12.199	297.219			
(A3+B6+C3)					
4) Wind	16.661	259.421			
6) SOLAR	2.965	61.760			
TOTAL STATE	291.006	6115.859			

* 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 24 Hrs
MSPGCL Thermal	5955	5703	4715	4280
MSPGCL Hydro	413	273	677	110
MSPGCL Gas	295	301	433	427
MSPGCL Total Generation	6663	6277	5825	4817
Central Sector Receipt	5993	5977	5468	3140
WIND	620	741	487	1041
CPP / IPP Thermal	4877	4959	4548	3944
CPP / IPP Gas	0	0	0	0
SOLAR	458	424	0	0
Exchange with Mumbai	-1268	-1307	-1228	-737
MSEDCL DEMAND MET	17343	17071	15100	12205
Load Shedding	0	0	0	0
MSEDCL DEMAND	17343	17071	15100	12205
TPCL GENERATION	1028	945	1003	731
R-INFRA GENERATION	420	415	375	376
MUMBAI DEMAND	2716	2667	2606	1844
STATE DEMAND MET	20059	19738	17706	14049
STATE DEMAND	20059	19738	17706	14049
Frequency (Hz)	49.94	49.94	49.99	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.14 Hz at 04:02 Hrs	49.77 Hz at 09:39 Hrs	49.95	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/2017

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	0.00	0	0
Unit 7	0.00	42.96	0	0
Unit 8	0.00	119.38	0	0
Unit 9	8.18	232.29	642	0
Unit 10	12.01	105.52	635	380
Total	20.19	500.15		
Bhusawal				
Unit 3	3.85	51.30	180	155
Unit 4	8.93	181.49	480	350
Unit 5	8.96	183.10	490	350
Total	21.74	415.89		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.45	99.22	197	178
Unit 7	0.00	12.88	0	0
Unit 8	3.85	84.93	170	151
Total	8.29	197.03		
Chandrapur				
Unit 3	0.00	8.28	0	0
Unit 4	0.00	10.22	0	0
Unit 5	9.86	90.39	465	338
Unit 6	8.88	195.68	390	336
Unit 7	9.76	213.32	458	354
Unit 8	0.00	143.56	0	0
Unit 9	9.57	213.58	444	350
Total	38.07	875.03		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.31	101.38	255	188
Total	5.31	101.38		
Khaparkheda				
Unit 1	3.34	17.24	150	130
Unit 2	3.76	82.13	165	150
Unit 3	0.00	0.00	0	0
Unit 4	3.30	25.73	165	0
Unit 5	9.90	209.86	470	350
Total	20.30	334.96		
Nasik				
Unit 3	3.90	87.66	190	155
Unit 4	0.00	69.94	0	0
Unit 5	3.96	12.74	182	154
Total	7.86	170.34		
Uran				
All Units	8.72	213.43	456	289
Total	8.72	213.43		
PGPL				
Unit 1	0.00	0.00	0	0
Unit 2	0.00	0.00	0	0
Total	0.00	0.00		
PENCH (MS)				
Pench (MS)	0.50	4.65	48	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.50	4.65		
Koyna				
Stage 1-2	2.21	43.19	295	40
Stage 4	0.00	5.07	0	0
Stage 3	0.22	10.98	134	0
Total	2.43	59.24		
Hydro				
KDPH	0.00	6.31	0	0
VTRNA	0.51	3.53	61	0
TILLARI	0.28	8.00	62	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.23	5.36	80	0
RNGR+BHTSA	0.39	8.70	17	16
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.25	0.40	11	10
SMLHY_PTN	0.42	10.57	26	14
GHATGHAR	0.96	17.04	125	0
Total	3.05	59.90		
Wind				
Total	16.66	259.42	0	0
Total	16.66	259.42		
CPP				
APML(Mus)	52.95	1063.00	0	0
JSWEL(Mus)	16.94	362.74	0	0
VIPL(Mus)	10.24	252.40	0	0
RPLAMT(Mus)	4.88	206.75	0	0
WPCL(Mus)	4.00	90.65	0	0
Other(Mus)	17.12	270.50	0	0
Total	106.12	2246.02		
SOLAR				
Total	2.96	61.76	0	0
Total	2.96	61.76		
Tata				
Trombay 5	7.48	176.51	318	300
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.09	51.49	114	64
Trombay 7B	1.39	32.30	67	50
Trombay 8	4.81	46.24	202	198
TATA Hydro	4.44	104.39	343	0
Total	20.21	410.92		
R-INFRA				
DTPS U-1&2	9.09	210.38	420	374
Total	9.09	210.38		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	121.77	2594.79	MSPGCL Total	135.96	2927.35
			MSPGCL Thml+Gas	130.48	2808.21	Koyna 1,2 & 4 Total	2.21	48.26
			MSPGCL Hydro	5.47	119.14	State Total	291.01	6115.86

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 22/Dec/2017

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	4564	143	291	4998	774	3975	0	0	3739	3441	-636	12552	0	12552	1708	14260	49.99
2	4559	111	302	4972	872	3961	0	0	3448	3463	-541	12727	0	12727	1579	14306	49.98
3	4623	83	294	5000	880	4000	0	0	3260	3292	-495	12677	0	12677	1496	14173	49.99
4	4667	83	306	5056	887	3973	0	30	3274	3519	-458	13007	0	13007	1448	14455	49.98
5	4736	98	317	5151	840	3992	0	0	3814	3757	-468	13272	0	13272	1458	14730	50.01
6	4742	243	362	5347	751	4109	0	0	4496	4678	-561	14324	0	14324	1569	15893	49.93
7	5373	243	368	5984	793	4309	0	2	5338	5650	-678	16060	0	16060	1740	17800	49.89
8	5598	102	367	6067	730	4603	0	45	6094	6394	-800	17039	0	17039	1908	18947	49.90
9	5884	152	429	6465	612	4799	0	178	5990	5787	-887	16954	0	16954	2184	19138	49.95
10	5764	254	377	6395	514	4872	0	263	5778	5706	-1065	16685	0	16685	2471	19156	49.88
11	5679	187	299	6165	530	4803	0	407	5955	6190	-1251	16844	0	16844	2648	19492	49.98
12	5955	413	295	6663	620	4877	0	458	6309	5993	-1268	17343	0	17343	2716	20059	49.94
13	5703	273	301	6277	741	4959	0	424	6314	5977	-1307	17071	0	17071	2667	19738	49.94
14	5504	259	289	6052	698	4856	0	407	6108	5981	-1224	16770	0	16770	2501	19271	49.91
15	5524	259	293	6076	715	4846	0	347	5971	5899	-1228	16655	0	16655	2523	19178	49.91
16	5574	264	335	6173	506	4825	0	255	5969	5821	-1217	16363	0	16363	2541	18904	49.95
17	5385	313	408	6106	427	4840	0	133	5828	5560	-1179	15887	0	15887	2546	18433	49.91
18	4866	361	429	5656	383	4747	0	16	5505	5475	-1164	15113	0	15113	2537	17650	49.96
19	4715	677	433	5825	487	4548	0	0	5218	5468	-1228	15100	0	15100	2606	17706	49.99
20	4875	310	435	5620	566	4437	0	0	5181	4937	-1179	14381	0	14381	2541	16922	50.00
21	4515	167	451	5133	627	3980	0	0	4929	4840	-1115	13465	0	13465	2396	15861	49.98
22	4352	166	452	4970	779	3940	0	0	3868	4154	-978	12865	0	12865	2195	15060	49.98
23	4332	202	456	4990	888	3925	0	0	3320	3318	-877	12244	0	12244	2020	14264	49.97
24	4280	110	427	4817	1041	3944	0	0	3364	3140	-737	12205	0	12205	1844	14049	49.96
MUs	121.77	5.47	8.72	135.96	16.66	106.12	0.00	2.96	119.07	118.44	-22.54	357.60	0.00	357.60	51.84	409.45	49.95

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/2017

Position as on 6.30 Hrs of 23/Dec/2017

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.	
CENT.SECTOR	Tarapur 1	160	04/06/2017	19.09		Continued.	3 months outage for refuelling.	
MSPGCL	Chandrapur Unit-8	500	16/12/2017	00.16		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	
MSPGCL	Koradi Unit 6	210	09/07/2015	00.00		Continued.	EE R&M LE Work	
IPP	SWPGL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
IPP	SWPGL U-2	135	29/02/2016	21.46		Continued.	No PPA	
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.	De-commissioned on dt. 01.04.2017	
RGPL	Dabhol 2A	230	24/08/2016	13.31		Continued.	Change Over.	
MSPGCL	Koradi Unit 5	200	05/09/2016	00.21		Continued.	De-commissioned on dt.02.03.2017	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule	
MSPGCL	Ghatghar Unit-2	125	28/07/2017	00.00		Continued.	due to common pressure shaft with unit 1.	
MSPGCL	Khaparkheda Unit 3	210	12/09/2017	00.00		Continued.	Coal Shortage	
IPP	RPL(AMT) U-5	270	17/09/2017	02.01		Continued.	Coal Shortage	
IPP	Dhariwal	300	27/10/2017	17.31		Continued.	Drum level Not Maintained	
IPP	Adani U-3	660	17/11/2017	20.59		Continued.	Tripped on APS Bellow Leakage	
MSPGCL	Paras Unit 3	250	29/11/2017	22.55		Continued.	bunkering problem, Water shortage	
IPP	JSW (J) U2	300	01/12/2017	24.00		Continued.	no schedule.	
MSPGCL	Chandrapur Unit 3	210	03/12/2017	01.35		Continued.	Water Shortage	
MSPGCL	Chandrapur Unit 4	210	03/12/2017	14.17		Continued.	Water Shortage	
MSPGCL	Parli Unit 7	250	03/12/2017	23.35		Continued.	Poor Coal Receipt.	
IPP	RPL(AMT) U-1	270	12/12/2017	08.49		Continued.	switch gear problem (Coal shortage from 17.12.2017, 00:00hrs)	
MSPGCL	Koradi Unit 7	210	13/12/2017	00.10		Continued.	poor coal receipt.	
MSPGCL	Koradi Unit-8	660	14/12/2017	19.27		Continued.	Poor Coal Receipt	
IPP	RPL(AMT) U-4	270	15/12/2017	00.01		Continued.	Coal Shortage	
MSPGCL	Nasik Unit 4	210	18/12/2017	09.50		Continued.	Boiler Tube Leakage, Not available on account of poor coal receipt from 14:00hrs of 21.12.2017	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 22/Dec/2017

Position as on 6.30 Hrs of 23/Dec/2017

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Uran Unit 6	108	21/12/2017	12.13	22/12/2017	03.47	Flame Failure	
MSPGCL	Uran Unit A0	120	21/12/2017	20.35	22/12/2017	08.12	HP Feed water pump no-2 Leakage	
MSPGCL	Uran Unit 5	108	21/12/2017	20.35		Continued.	HP feed water pump no-2 Leakage	
MSPGCL	Khaparkheda Unit 4	210	21/12/2017	22.57	22/12/2017	02.29	Furnace Pressure High	
IPP	RPL(AMT) U-2	270	22/12/2017	00.01		Continued.	zero schedule	
MSPGCL	Uran Unit 8	108	22/12/2017	09.39		Continued.	Turbine oil Leakage	
CPP	SWPGL U-3	135	22/12/2017	10.45	22/12/2017	12.33	Flame Failure	
MSPGCL	Koradi Unit 9	660	22/12/2017	16.35		Continued.	Tripped on Rotor Earth Fault	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 22/Dec/2017

Statement-VII

Position as on 6.30 Hrs of 23/Dec/2017

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							
Karad Solapur (PG)	InterState	03/05/2017	11:49		Continued.	PO	Line converted as 220 kV Solapur (PG)- Jeur from LOC 403
Dabhol Newkoyna li	InterState	19/12/2017	09.46	22/12/2017	07.56	PO	insulator cleaning work.
Dhule Sar'Sarovar II	InterState	21/12/2017	17.39	22/12/2017	10.09	HT	Over Voltage
Koradi Satpur	InterState	22/12/2017	08.07	22/12/2017	19.06	PO	Work By Powergrid
Dhule Sar'Sarovar I	InterState	22/12/2017	17.40		Continued.	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	21/12/2017	17.35	22/12/2017	07.15	HT	Over Voltage
karad -kolhapur-II	IntraState	21/12/2017	17.42	22/12/2017	11.02	HT	Over Voltage
Karad-Jaigad - I	IntraState	21/12/2017	17.47	22/12/2017	10.58	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	21/12/2017	23.48	22/12/2017	07.15	HT	Over Voltage
Chandrapur - Khaperkheda	IntraState	22/12/2017	02.20	22/12/2017	07.20	T	Distance Protection
New Koyna -Koyna Stage IV-I	IntraState	22/12/2017	08.19		Continued.	PO	Cold Line Insulator washing work
Akola-Nandgaonpeth (RPL)	IntraState	22/12/2017	11.28	22/12/2017	19.42	PO	Line Maintenance work
Ektuni-Taptitanda II	IntraState	22/12/2017	11.32	22/12/2017	17.13	PO	Testing Work
karad -kolhapur-I	IntraState	22/12/2017	16.54		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	22/12/2017	16.57		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	22/12/2017	17.57	23/12/2017	06.21	HT	Over Voltage
Koradi-India Bulls	IntraState	22/12/2017	21.35	22/12/2017	22.36	T	Distance Protection
220 KV LINE Outages/Trippings							
Talandage - Chikodi	InterState	01/06/2017	00.01		Continued.	PO	NO SCHEDULE.
Mudshingi - Chikodi	InterState	01/06/2017	00.06		Continued.	PO	NO SCHEDULE.
Maisal-Jath I	InterState	22/12/2017	10.00	22/12/2017	11.55	PO	Routine Maintenance Work
Chandrapur GCR - Warora - I	IntraState	05/04/2015	09.13		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumper 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 jumper at Loc no 86 & 107 and de-energising the line bet.86 to 107.
Mumewadi -Halkarni II	IntraState	17/11/2017	10.00		Continued.	PO	Tower erection work (temporarily line would be Mumewadi-Tillari)
Halkarni - Tillari II	IntraState	17/11/2017	12.25		Continued.	PO	Tower erection work. (temporarily line would be Mumewadi-Tillari)
Kharghar-Borivali ckt II	IntraState	07/12/2017	12.23		Continued.	T	Distance Protection
New Koyna - Loteparshuram	IntraState	18/12/2017	10.56		Continued.	PO	Jumper Replacement Work.
Nadgaonpeth-Amravati	IntraState	22/12/2017	08.52		Continued.	PO	Replacement of CT
Deepnagar Amalner	IntraState	22/12/2017	09.36	22/12/2017	15.37	PO	Routine Maintenance Work
Talandge-Mudshingi Ckt-I	IntraState	22/12/2017	10.09	22/12/2017	16.55	PO	Insulator Replacement Work
Shivajinagar - Malegaon	IntraState	22/12/2017	10.40	22/12/2017	13.01	PO	Tan Delta Measurment of CTs
Parli 2-(Girwali) -Murud	IntraState	22/12/2017	11.11	22/12/2017	21.48	PO	String Hook Rod Nut Fixing
Padghe - Nalasopara	IntraState	22/12/2017	11.35	22/12/2017	19.55	PO	Routine Maintenance Work
Osmanabad - Barshi	IntraState	22/12/2017	12.44		Continued.	PO	Panel Wiring work
Kalwa - Airoli Knowledge Park	IntraState	22/12/2017	15.27	22/12/2017	17.54	T	Wave Trap R phase Damage
Pophali - Kdph	IntraState	22/12/2017	20.05		Continued.	T	LA Burst at KDPH end
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)

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/2017

Statement-VII

Position as on 6.30 Hrs of 23/Dec/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
220/100 Kv 200 MVA ICT-IV@Kalwa	IntraState	24/11/2017	01.58		Continued.	T	Buchholz PRV Operated(Failed on Internal Fault)
220/132 kV 200 Mva ICT-II @Boisar -Ii	IntraState	22/12/2017	09.24	22/12/2017	19.24	PO	Testing Work
220/132-110 Kv 100mva Ict 1 @Jath	IntraState	22/12/2017	10.20	22/12/2017	15.01	PO	Replacement of CT
220/132 Kv 100 Mva Gec Ict 1 @Pusad	IntraState	22/12/2017	10.26	22/12/2017	18.01	PO	Routine Maintenance Work