

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 13/Dec/2017 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	130.807	1497.898	1) Gujrat	2.299	11.108
2) Hydro	4.450	65.756	2) Madhya Pradesh	12.834	176.175
3) Gas	10.477	133.202	3) Chattisgarh	7.360	92.550
Total MSPGCL	145.734	1696.856	4) Maharashtra Net	105.516	1540.193
B) 1) APML	54.790	587.227	5) Goa (Amona)	-0.836	-11.396
2) JSWEL	18.006	208.475	Total	127.173	1808.630
3) VIPL	11.358	151.595	a) Mumbai Schedule	20.011	293.526
4) RPL(AMT)	10.164	132.735	b) Mumbai Drawl	22.265	314.172
5) WPCL	4.224	53.787	c) MSEDCL Bilateral *	36.006	476.790
6) PGPL	0.000	0.000	Include PX	4.542	88.120
7) Other IPP	11.645	153.302	d) Mumbai Bilateral *	20.011	293.526
C) 1) TPCL Thermal	10.145	108.758	Include PX	0.719	25.662
2) TPCL Hydro	4.682	66.028	Include Standby	0.000	0.000
3) TPCL Gas	3.936	52.298	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	9.454	125.435	1) MSEDCL	367.652	4640.822
D) STATE			2) Mumbai Discoms	50.484	666.691
1) Thermal	260.593	3019.212	TOTAL STATE	418.136	5307.513
(A1+C1+C4+(B1-B6))					
2) Hydro	9.132	131.784			
(A2+C2)					
3) Gas	14.413	185.500			
(A3+B6+C3)					
4) Wind	3.796	127.655			
6) SOLAR	3.027	34.732			
TOTAL STATE	290.961	3498.883			

* 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 3 Hrs
MSPGCL Thermal	6023	6004	5768	4611
MSPGCL Hydro	298	115	377	84
MSPGCL Gas	454	402	409	447
MSPGCL Total Generation	6775	6521	6554	5142
Central Sector Receipt	6515	6490	5257	4449
WIND	89	125	108	155
CPP / IPP Thermal	4994	4982	4935	3902
CPP / IPP Gas	0	0	0	0
SOLAR	499	466	0	0
Exchange with Mumbai	-1255	-1176	-1182	-637
MSEDCL DEMAND MET	17617	17408	15672	13011
Load Shedding	0	0	0	0
MSEDCL DEMAND	17617	17408	15672	13011
TPCL GENERATION	999	993	941	444
R-INFRA GENERATION	376	374	375	376
MUMBAI DEMAND	2630	2543	2498	1457
STATE DEMAND MET	20247	19951	18170	14468
STATE DEMAND	20247	19951	18170	14468
Frequency (Hz)	49.95	49.90	49.93	49.91

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.16 Hz at 21.56 Hrs	49.72 Hz at 16.53 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 13/Dec/2017

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	0.00	0	0
Unit 7	0.01	42.96	8	0
Unit 8	12.84	110.17	660	379
Unit 9	12.35	139.57	651	381
Unit 10	9.91	15.12	573	309
Total	35.11	307.83		
Bhusawal				
Unit 3	0.00	22.99	0	0
Unit 4	9.43	97.66	475	345
Unit 5	9.58	97.30	480	350
Total	19.02	217.96		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.50	59.16	192	182
Unit 7	0.00	12.88	0	0
Unit 8	3.82	50.93	166	152
Total	8.33	122.97		
Chandrapur				
Unit 3	0.00	8.28	0	0
Unit 4	0.00	10.22	0	0
Unit 5	3.56	3.56	354	0
Unit 6	8.93	115.90	395	328
Unit 7	9.89	126.41	456	345
Unit 8	9.28	126.93	450	340
Unit 9	9.71	126.81	453	342
Total	41.36	518.10		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.22	54.53	250	186
Total	5.22	54.53		
Khaparkheda				
Unit 1	0.00	0.00	0	0
Unit 2	3.80	48.38	170	150
Unit 3	0.00	0.00	0	0
Unit 4	0.00	0.00	0	0
Unit 5	10.01	124.18	460	350
Total	13.81	172.56		
Nasik				
Unit 3	3.97	51.84	195	156
Unit 4	4.01	52.11	191	158
Unit 5	0.00	0.00	0	0
Total	7.98	103.95		
Uran				
All Units	10.48	133.20	511	401
Total	10.48	133.20		
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)	0.35	2.51	49	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.35	2.51		
Koyna				
Stage 1-2	2.05	26.14	455	40
Stage 4	0.12	3.43	117	0
Stage 3	0.14	6.88	80	0
Total	2.30	36.45		
Hydro				
KDPH	0.56	2.29	36	18
VTRNA	0.00	0.02	0	0
TILLARI	0.37	4.82	62	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.30	3.47	80	0
RNGR+BHTSA	0.40	5.13	17	16
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.31	4.77	23	10
GHATGHAR	0.21	8.82	120	0
Total	2.15	29.31		
Wind				
Total	3.80	127.66	0	0
Total	3.80	127.66		
CPP				
APML(Mus)	54.79	587.23	0	0
JSWEL(Mus)	18.01	208.48	0	0
VIPL(Mus)	11.36	151.60	0	0
RPLAMT(Mus)	10.16	132.74	0	0
WPCL(Mus)	4.22	53.79	0	0
Other(Mus)	11.64	153.30	0	0
Total	110.19	1287.12		
SOLAR				
Total	3.03	34.73	0	0
Total	3.03	34.73		
Tata				
Trombay 5	8.17	106.78	487	300
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.44	32.53	114	82
Trombay 7B	1.49	19.77	66	57
Trombay 8	1.98	1.98	197	25
TATA Hydro	4.68	66.03	459	34
Total	18.76	227.08		
R-INFRA				
DTPS U-1&2	9.45	125.44	504	374
Total	9.45	125.44		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	130.81	1497.90	MSPGCL Total	145.73	1696.86
			MSPGCL Thml+Gas	141.28	1631.10	Koyna 1,2 & 4 Total	2.17	29.57
			MSPGCL Hydro	4.45	65.76	State Total	290.96	3498.88

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 13/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	4643	89	434	5166	113	3918	0	0	4699	4620	-733	13084	0	13084	1631	14715	49.97
2	4610	89	447	5146	149	3887	0	0	4635	4544	-643	13083	0	13083	1498	14581	49.97
3	4611	84	447	5142	155	3902	0	0	4627	4449	-637	13011	0	13011	1457	14468	49.91
4	4617	89	442	5148	125	3910	0	0	4587	4597	-593	13187	0	13187	1420	14607	49.97
5	4717	109	430	5256	129	4047	0	0	4915	4500	-534	13398	0	13398	1434	14832	49.95
6	5457	84	431	5972	156	4461	0	0	5255	4962	-616	14935	0	14935	1562	16497	49.94
7	5978	114	459	6551	150	5086	0	1	5760	5469	-746	16511	0	16511	1751	18262	49.86
8	6089	189	463	6741	131	5226	0	44	5964	5930	-681	17391	0	17391	1942	19333	49.90
9	5836	275	485	6596	61	5331	0	177	6029	5932	-914	17183	0	17183	2205	19388	49.91
10	5901	340	511	6752	47	5337	0	340	5775	5550	-1042	16984	0	16984	2458	19442	49.94
11	5930	366	481	6777	64	5188	0	434	6239	6077	-1233	17307	0	17307	2608	19915	49.93
12	6023	298	454	6775	89	4994	0	499	6642	6515	-1255	17617	0	17617	2630	20247	49.95
13	6004	115	402	6521	125	4982	0	466	6649	6490	-1176	17408	0	17408	2543	19951	49.90
14	5978	85	401	6464	225	4831	0	406	6222	6422	-1125	17223	0	17223	2441	19664	49.98
15	5965	95	412	6472	268	4761	0	335	6377	6336	-1095	17077	0	17077	2434	19511	49.89
16	5906	85	413	6404	278	4775	0	204	6364	6048	-1072	16637	0	16637	2454	19091	49.85
17	5832	272	414	6518	174	4850	0	107	6121	6026	-1063	16612	0	16612	2447	19059	49.84
18	5797	581	416	6794	122	4942	0	14	5252	5166	-1076	15962	0	15962	2440	18402	49.87
19	5768	377	409	6554	108	4935	0	0	5335	5257	-1182	15672	0	15672	2498	18170	49.93
20	5355	216	429	6000	155	4562	0	0	5255	5145	-1174	14688	0	14688	2410	17098	49.95
21	4936	181	409	5526	162	4301	0	0	5045	5027	-1121	13895	0	13895	2312	16207	49.96
22	4962	109	432	5503	274	4089	0	0	4677	4399	-995	13270	0	13270	2145	15415	50.00
23	4956	104	417	5477	291	3963	0	0	4234	3932	-834	12829	0	12829	1947	14776	49.99
24	4936	104	439	5479	245	3909	0	0	3787	3780	-725	12688	0	12688	1815	14503	49.96
MUs	130.81	4.45	10.48	145.73	3.80	110.19	0.00	3.03	130.44	127.17	-22.26	367.65	0.00	367.65	50.48	418.13	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 13/Dec/2017

Position as on 6.30 Hrs of 14/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 5	500	01/11/2017	09.20	13/12/2017	06.40	Annual Overhaul	
TPC_G	Trombay 8	250	18/11/2017	19.40	13/12/2017	12.30	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 5	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Parli Unit 4	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	RPL(AMT) U-2	270	10/11/2017	00.00		Continued.	Coal Shortage	
MSPGCL	Nasik Unit 5	210	16/11/2017	04.45		Continued.	Flame Failure, withdrawn due to coal shortage since 20.11.2017 at 11:00Hrs	
IPP	Adani U-3	660	17/11/2017	20.59		Continued.	Tripped on APS Bellow Leakage	
MSPGCL	Khaparkheda Unit 1	210	18/11/2017	19.19		Continued.	Coal Shortage	
CPP	IEPL Unit 1	270	22/11/2017	23.50		Continued.	Electrical fault	
MSPGCL	Khaparkheda Unit 4	210	25/11/2017	19.19		Continued.	CHP coal feeding problem	
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.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 13/Dec/2017

Position as on 6.30 Hrs of 14/Dec/2017

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Bhusawal Unit 3	210	06/12/2017	23.52		Continued.	Coal Shortage	
IPP	RPL(AMT) U-1	270	12/12/2017	08.49		Continued.	switch gear problem.	
MSPGCL	Uran Unit 8	108	12/12/2017	16.26	13/12/2017	07.19	Gas shortage	
MSPGCL	Koradi Unit 7	210	13/12/2017	00.10		Continued.	poor coal receipt.	
MSPGCL	Chandrapur Unit 5	500	13/12/2017	06.48	13/12/2017	09.59	control fid pressure Low.	
MSPGCL	Uran Unit 7	108	13/12/2017	12.25		Continued.	Gas shortage	
MSPGCL	Uran Unit B0	120	14/12/2017	05.14		Continued.	Drum level low	
MSPGCL	Uran Unit 8	108	14/12/2017	05.16	14/12/2017	07.07	Drum level low	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 13/Dec/2017

Statement-VII

Position as on 6.30 Hrs of 14/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
Dhule Sar'Sarovar II	InterState	12/12/2017	17.30	13/12/2017	06.38	HT	Over Voltage
Dabhol Nagothane I	InterState	13/12/2017	07.50		Continued.	PO	cold washing, insul. repl and miscl. work.
Dhule Sar'Sarovar I	InterState	13/12/2017	18.02		Continued.	HT	Over Voltage
Pune(GIS) - Parli II	IntraState	11/12/2017	10.00		Continued.	PO	air compressor problem.
Main Bus-II @Deepnagar	IntraState	12/12/2017	14.27		Continued.	PO	for jumper replacement work.
Girwali-Solapur (Lamboti)	IntraState	12/12/2017	15.20	13/12/2017	05.07	T	Distance Protection
karad -kolhapur-I	IntraState	12/12/2017	17.30	13/12/2017	11.42	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	12/12/2017	17.54	13/12/2017	06.31	HT	Over Voltage
Karad-Jaigad - I	IntraState	12/12/2017	18.08		Continued.	HT	Over Voltage
karad -kolhapur-I	IntraState	13/12/2017	17.12		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	13/12/2017	17.16		Continued.	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	13/12/2017	18.06		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	13/12/2017	23.29	14/12/2017	06.27	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220kv, 500 Mva ICT-1 @Deepnagar	IntraState	09/12/2017	05.24	13/12/2017	20.39	T	R PH CT Burst & Bus 2 PROT OPTD.
400/220 kv 167 MVA Spare ICT @Deepnagar	IntraState	10/12/2017	08.52		Continued.	T	Replacement of ICT-1 R-PH CT.
400/220kv, 500 Mva ICT-1 @Deepnagar	IntraState	13/12/2017	20.54		Continued.	T	Differential 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.
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	09/12/2017	08.31		Continued.	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	Failed on internal Fault(Now repaired and ready for commissioning)
220/100 Kv 200 MVA ICT-IV@Kalwa	IntraState	24/11/2017	01.58		Continued.	T	Buchholz PRV Operated(Failed on Internal Fault)
220/33kv 100 Mvatransformer 2 @Versova R/S	IntraState	04/12/2017	10.43		Continued.	PO	tf refurbishment work.

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