

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 25/Jan/2018 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	121.931	3035.588	1) Gujrat	-0.120	21.047
2) Hydro	10.599	259.588	2) Madhya Pradesh	16.307	365.154
3) Gas	9.376	244.371	3) Chattisgarh	6.920	165.500
Total MSPGCL	141.906	3539.547	4) Maharashtra Net	112.356	2783.018
B) 1) APML	41.149	1173.891	5) Goa (Amona)	-0.550	-18.150
2) JSWEL	18.543	459.013	Total	134.913	3316.569
3) VIPL	8.141	272.175	a) Mumbai Schedule	22.387	616.352
4) RPL(AMT)	22.649	425.314	b) Mumbai Drawl	23.593	681.498
5) WPCL	4.320	103.846	c) MSEDCL Bilateral *	27.667	529.394
6) PGPL	0.000	0.000	Include PX	9.101	78.694
7) Other IPP	12.485	301.861	d) Mumbai Bilateral *	22.387	613.626
C) 1) TPCL Thermal	11.992	167.414	Include PX	7.488	165.429
2) TPCL Hydro	5.192	122.735	Include Standby	0.000	2.726
3) TPCL Gas	3.167	99.041	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	5.296	165.078	1) MSEDCL	369.022	9122.384
D) STATE			2) Mumbai Discoms	49.240	1235.773
1) Thermal	246.506	6104.180	TOTAL STATE	418.262	10358.157
(A1+C1+C4+(B1-B6))					
2) Hydro	15.791	382.323			
(A2+C2)					
3) Gas	12.543	343.412			
(A3+B6+C3)					
4) Wind	4.593	131.010			
6) SOLAR	3.916	80.656			
TOTAL STATE	283.349	7041.581			

* 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	5499	5492	5282	4397
MSPGCL Hydro	1419	975	205	139
MSPGCL Gas	433	422	285	444
MSPGCL Total Generation	7351	6889	5772	4980
Central Sector Receipt	6368	6433	5743	4407
WIND	145	143	163	210
CPP / IPP Thermal	4943	4847	4676	3817
CPP / IPP Gas	0	0	0	0
SOLAR	533	563	0	0
Exchange with Mumbai	-1201	-1170	-1343	-537
MSEDCL DEMAND MET	18139	17705	15011	12877
Load Shedding	0	0	0	0
MSEDCL DEMAND	18139	17705	15011	12877
TPCL GENERATION	1122	1091	896	611
R-INFRA GENERATION	252	252	193	189
MUMBAI DEMAND	2575	2513	2432	1337
STATE DEMAND MET	20714	20218	17443	14214
STATE DEMAND	20714	20218	17443	14214
Frequency (Hz)	49.96	50.01	49.92	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.14 Hz at 13.00 Hrs	49.8 Hz at 06.35 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 25/Jan/2018

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	0.00	0	0
Unit 7	0.00	23.40	0	0
Unit 8	10.92	257.10	531	350
Unit 9	11.26	209.85	558	360
Unit 10	0.00	210.38	0	0
Total	22.18	700.73		
Bhusawal				
Unit 3	3.84	46.65	165	146
Unit 4	10.26	222.10	500	350
Unit 5	10.30	251.97	500	350
Total	24.40	520.71		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.63	119.82	209	177
Unit 7	0.00	0.00	0	0
Unit 8	4.95	81.39	231	175
Total	9.58	201.21		
Chandrapur				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	0.00	0	0
Unit 5	10.60	254.26	475	365
Unit 6	0.00	22.82	0	0
Unit 7	10.54	252.10	475	360
Unit 8	0.00	0.00	0	0
Unit 9	10.90	255.11	488	355
Total	32.05	784.28		
Paras				
Unit 3	0.00	63.38	0	0
Unit 4	5.50	78.11	257	190
Total	5.50	141.49		
Khaparkheda				
Unit 1	3.70	37.26	165	145
Unit 2	3.84	99.98	160	160
Unit 3	0.00	0.00	0	0
Unit 4	3.86	98.82	162	158
Unit 5	8.58	248.71	360	356
Total	19.98	484.77		
Nasik				
Unit 3	4.24	77.12	194	160
Unit 4	4.01	103.21	174	161
Unit 5	0.00	22.07	0	0
Total	8.25	202.39		
Uran				
All Units	9.38	244.37	474	283
Total	9.38	244.37		
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)	0.15	3.72	47	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.15	3.72		
Koyna				
Stage 1-2	2.92	72.12	405	40
Stage 4	3.18	58.70	743	0
Stage 3	1.41	28.95	160	0
Total	7.51	159.78		
Hydro				
KDPH	0.63	15.08	36	18
VTRNA	0.96	22.33	61	0
TILLARI	0.00	3.95	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.15	6.90	75	0
RNGR+BHTSA	0.37	8.93	16	15
BHANDARDRA	0.44	0.56	27	14
ELDARY	0.00	0.33	0	0
SMLHY_PTN	0.54	17.41	33	19
GHATGHAR	0.00	24.33	0	0
Total	3.09	99.81		
Wind				
Total	4.59	131.01	0	0
Total	4.59	131.01		
CPP				
APML(Mus)	41.15	1173.89	0	0
JSWEL(Mus)	18.54	459.01	0	0
VIPL(Mus)	8.14	272.18	0	0
RPLAMT(Mus)	22.65	425.31	0	0
WPCL(Mus)	4.32	103.85	0	0
Other(Mus)	12.48	301.86	0	0
Total	107.29	2736.10		
SOLAR				
Total	3.92	80.66	0	0
Total	3.92	80.66		
Tata				
Trombay 5	9.40	89.15	485	300
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.85	62.08	85	63
Trombay 7B	1.32	36.96	58	50
Trombay 8	2.59	78.26	220	0
TATA Hydro	5.19	122.74	437	0
Total	20.35	389.19		
R-INFRA				
DTPS U-1&2	5.30	165.08	253	189
Total	5.30	165.08		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	121.93	3035.59	MSPGCL Total	141.91	3539.55
			MSPGCL Thml+Gas	131.31	3279.96	Koyna 1,2 & 4 Total	6.10	130.82
			MSPGCL Hydro	10.60	259.59	State Total	283.35	7041.58

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 25/Jan/2018

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	4497	137	432	5066	161	3840	0	0	4732	4573	-712	12928	0	12928	1531	14459	49.97
2	4447	144	456	5047	201	3819	0	0	4617	4551	-606	13012	0	13012	1407	14419	49.98
3	4397	139	444	4980	210	3817	0	0	4436	4407	-537	12877	0	12877	1337	14214	49.95
4	4411	144	465	5020	251	3807	0	0	4480	4428	-497	13009	0	13009	1299	14308	49.95
5	4424	144	474	5042	234	3812	0	0	4776	4831	-509	13410	0	13410	1311	14721	49.97
6	4904	199	463	5566	253	4088	0	0	5086	5277	-669	14515	0	14515	1464	15979	49.93
7	5474	126	463	6063	265	4718	0	4	5848	5878	-783	16145	0	16145	1692	17837	49.88
8	5497	641	467	6605	279	4982	0	51	6135	6252	-694	17475	0	17475	1891	19366	49.89
9	5497	756	473	6726	191	4976	0	216	6116	6122	-857	17374	0	17374	2158	19532	49.93
10	5485	1008	456	6949	153	4974	0	389	6085	6150	-989	17626	0	17626	2400	20026	49.91
11	5497	889	448	6834	120	4965	0	486	6291	6537	-1136	17806	0	17806	2552	20358	49.91
12	5499	1419	433	7351	145	4943	0	533	6452	6368	-1201	18139	0	18139	2575	20714	49.96
13	5492	975	422	6889	143	4847	0	563	6527	6433	-1170	17705	0	17705	2513	20218	50.01
14	5481	556	419	6456	159	4861	0	541	6310	6367	-1124	17260	0	17260	2401	19661	50.06
15	5447	560	386	6393	135	4867	0	461	6315	6442	-1153	17145	0	17145	2431	19576	49.99
16	5488	545	356	6389	127	4865	0	383	6325	6362	-1163	16963	0	16963	2445	19408	49.95
17	5504	528	283	6315	116	4925	0	238	6000	6160	-1148	16606	0	16606	2446	19052	49.96
18	5494	264	283	6041	108	4976	0	51	5414	5403	-1211	15368	0	15368	2410	17778	49.94
19	5282	205	285	5772	163	4676	0	0	5441	5743	-1343	15011	0	15011	2432	17443	49.92
20	5054	385	286	5725	260	4568	0	0	5372	5595	-1326	14822	0	14822	2427	17249	49.93
21	4755	292	288	5335	312	4289	0	0	5229	5651	-1342	14245	0	14245	2294	16539	49.90
22	4715	197	298	5210	259	3946	0	0	5172	5377	-1310	13482	0	13482	2123	15605	49.92
23	4720	178	293	5191	184	3896	0	0	5050	4923	-1148	13046	0	13046	1938	14984	49.93
24	4470	168	303	4941	164	3830	0	0	4936	5083	-965	13053	0	13053	1763	14816	49.94
MUs	121.93	10.60	9.38	141.91	4.59	107.29	0.00	3.92	133.14	134.91	-23.59	369.02	0.00	369.02	49.24	418.26	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 25/Jan/2018

Position as on 6.30 Hrs of 26/Jan/2018

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	
RINFRA-G	REL Unit 2	250	06/01/2018	00.46		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 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 U1	262	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U2	126	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	Khaparkhedda Unit 3	210	12/09/2017	00.00		Continued.	Coal Shortage	
IPP	Dhariwal	300	27/10/2017	17.31		Continued.	Drum level Not Maintained	
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.	
CENT.SECTOR	Tarapur 2	160	26/12/2017	10.51		Continued.	commission of venting system.	
CPP	IEPL Unit 1	270	30/12/2017	23.58		Continued.	No Schedule	
IPP	Adani U-2	660	02/01/2018	15.26		Continued.	HPBP Bonnet leakage	
MSPGCL	Chandrapur Unit 6	500	04/01/2018	13.30		Continued.	Water Shortage	
MSPGCL	Nasik Unit 5	210	06/01/2018	06.30		Continued.	PA Fan Problem (Not available due to Coal shortage from 07.01.2018, 14:00Hrs)	
MSPGCL	Koradi Unit 7	210	07/01/2018	17.00		Continued.	Poor Coal Receipt.	
MSPGCL	Uran Unit 8	108	17/01/2018	13.41		Continued.	vibration testing.	
IPP	RPL(AMT) U-2	270	19/01/2018	06.50		Continued.	Cooling Water Line Leakage	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 25/Jan/2018

Position as on 6.30 Hrs of 26/Jan/2018

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Koyana Unit 4	75	20/01/2018	08.50		Continued.	Thrust Bearing Temperature Problem	
MSPGCL	Paras Unit 3	250	21/01/2018	06.45		Continued.	Boiler Tube Leakage	
MSPGCL	Koradi Unit 10	660	22/01/2018	09.30		Continued.	Maintenance work	
IPP	Adani U-3	660	23/01/2018	02.14		Continued.	APH-3A Current Hunting & Jamming.	
MSPGCL	Ghatghar Unit-1	125	23/01/2018	17.00		Continued.	Bearing Cooling problem	
TPC_G	Trombay 8	250	25/01/2018	13.07	25/01/2018	18.49	b ph bushing temperature high.	
MSPGCL	Uran Unit 7	108	25/01/2018	16.25		Continued.	Gas shortage	
MSPGCL	Uran Unit B0	120	25/01/2018	16.30		Continued.	Gas shortage	
TPC_G	Trombay 8	250	25/01/2018	19.12	25/01/2018	21.16	master fuel trip.	
MSPGCL	Bhusawal Unit 3	210	25/01/2018	23.59		Continued.	poor coal receipt.	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Jan/2018

Statement-VII

Position as on 6.30 Hrs of 26/Jan/2018

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							
HVDC Pole-I	IntraState	25/01/2018	20.17	25/01/2018	23.48	PO	replacement of faulty cooling fan mcb & cont actor of pole 1 y phase converter transformer.
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	24/01/2018	17.57	25/01/2018	09.25	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	25/01/2018	17.05		Continued.	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	24/01/2018	17.44	25/01/2018	07.40	HT	Over Voltage
karad -kolhapur-I	IntraState	24/01/2018	18.09	25/01/2018	09.26	HT	Over Voltage
Karad - Jaigad - II	IntraState	24/01/2018	18.11	25/01/2018	09.23	HT	Over Voltage
N.Koyna-Karad -Ckt I	IntraState	25/01/2018	09.48		Continued.	PO	rfc 18.05 insulator cleaning work.
Girwali- Lonikand 2	IntraState	25/01/2018	11.04	25/01/2018	17.14	PO	hardware tighteing work.
Main Bus @ Taptitanda	IntraState	25/01/2018	11.12	25/01/2018	18.27	PO	erection work of bus 1 iso for 220 kv nagewadi bay
Khadka-Aurangabad (Waluj)	IntraState	25/01/2018	17.18		Continued.	HT	Over Voltage
karad -kolhapur-II	IntraState	25/01/2018	18.18		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	26/01/2018	00.47		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220/33 Kv 500 MVA ICT-II @Lonikand 2	IntraState	25/01/2018	09.41	25/01/2018	15.28	PO	Half yearly maintenance work
400/220 Kv 500 Mva ICT- I @Jejuri	IntraState	25/01/2018	14.27	25/01/2018	17.06	PO	Testing Work
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.
Tillari Amona	InterState	24/01/2018	20.42	25/01/2018	10.43	PO	outage at amona line was charge from tillari end.
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
Nagothane - Ipcl	IntraState	16/01/2018	11.42		Continued.	PO	Line Bunching Work For Height Rising For Railway Line.
IPCL - SPCL	IntraState	16/01/2018	12.07		Continued.	PO	Line Bunching Work Height Rising For Railway Line.
Kalwa - Taloja	IntraState	23/01/2018	10.28		Continued.	PO	Bunching Arrangement At LOC No 665 For Tower Height Rising Work At Railway Crossing.
Apta - Kalwa	IntraState	23/01/2018	10.59		Continued.	PO	Bunching Arrangement At LOC No 665 For Tower Height Rising Work At Railway Crossing.
Kharepatan -Pawas Line	IntraState	25/01/2018	09.07	25/01/2018	18.45	PO	cleaning insulator string.
Versova Aarey Line 1	IntraState	25/01/2018	09.15	25/01/2018	18.57	PO	Routine Maintenance Work
Parli 2-(Girwali) -Murud	IntraState	25/01/2018	09.16		Continued.	PO	Tan Delta Measurment of CTs
Dahanu-Viraj	IntraState	25/01/2018	09.58	25/01/2018	18.21	PO	Routine Maintenance Work
Trombay - Mulund	IntraState	25/01/2018	10.20	25/01/2018	10.35	PO	line cb overhauling work.

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 25/Jan/2018

Statement-VII

Position as on 6.30 Hrs of 26/Jan/2018

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Centuri Enka- Bhosari	IntraState	25/01/2018	10.22	25/01/2018	15.24	PO	Attending Oil Leakage
Chinchwad-Hinjewadi I	IntraState	25/01/2018	13.05	25/01/2018	17.25	HT	load management jejuri ict outage work.
Padegaon-Sawangi	IntraState	25/01/2018	15.47	25/01/2018	17.15	EO	Attending Hot Spot
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)
220/132 Kv 200 MVA ICT II @Kalmeshwar	IntraState	25/01/2018	10.46	25/01/2018	13.38	PO	ctr nifps test and trials.
220/132KV 100MVA -1@Alephata	IntraState	25/01/2018	15.00	25/01/2018	19.28	PO	compressor overhauling work.
132 KV LINE Outages/Trippings							
Chikhali-Deulgaon Mahi	IntraState	25/01/2018	18.50	25/01/2018	19.00	T	Distance Protection

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