

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 28/Jun/2018 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	106.562	3428.710	1) Gujrat	-7.539	-194.210
2) Hydro	5.873	201.944	2) Madhya Pradesh	12.195	292.278
3) Gas	9.009	238.173	3) Chattisgarh	6.370	178.410
Total MSPGCL	121.444	3868.827	4) Maharashtra Net	95.833	3188.225
B) 1) APML	57.236	1168.827	5) Goa (Amona)	-0.330	-8.250
2) JSWEL	20.326	625.063	Total	106.529	3456.453
3) VIPL	6.285	201.919	a) Mumbai Schedule	24.324	761.706
4) RPL(AMT)	10.879	453.932	b) Mumbai Drawl	27.764	863.686
5) WPCL	2.932	99.461	c) MSEDCL Bilateral *	16.928	935.704
6) PGPL	0.000	0.000	Include PX	-10.234	94.197
7) Other IPP	7.479	290.420	d) Mumbai Bilateral *	24.324	756.947
C) 1) TPCL Thermal	12.824	432.948	Include PX	7.686	250.757
2) TPCL Hydro	5.407	101.999	Include Standby	0.000	4.760
3) TPCL Gas	3.881	101.026	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.777	310.666	1) MSEDCL	348.484	10417.427
D) STATE			2) Mumbai Discoms	60.653	1810.326
1) Thermal	235.300	7011.946	TOTAL STATE	409.137	12227.753
(A1+C1+C4+(B1-B6))					
2) Hydro	11.280	303.943			
(A2+C2)					
3) Gas	12.890	339.199			
(A3+B6+C3)					
4) Wind	38.735	978.956			
6) SOLAR	4.403	137.255			
TOTAL STATE	302.608	8771.299			

* 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 4 Hrs
MSPGCL Thermal	4291	4294	4465	4380
MSPGCL Hydro	179	150	719	122
MSPGCL Gas	375	379	374	364
MSPGCL Total Generation	4845	4823	5558	4866
Central Sector Receipt	5524	4681	4910	3368
WIND	1504	1681	1411	1815
CPP / IPP Thermal	4287	4274	4356	4233
CPP / IPP Gas	0	0	0	0
SOLAR	448	568	0	0
Exchange with Mumbai	-1119	-1394	-1094	-960
MSEDCL DEMAND MET	15489	14633	15141	13322
Load Shedding	0	0	0	0
MSEDCL DEMAND	15489	14633	15141	13322
TPCL GENERATION	1262	1053	1147	649
R-INFRA GENERATION	498	501	425	377
MUMBAI DEMAND	2879	2948	2666	1986
STATE DEMAND MET	18368	17581	17807	15308
STATE DEMAND	18368	17581	17807	15308
Frequency (Hz)	49.94	50.01	49.90	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.16 Hz at 13.02 Hrs	49.76 Hz at 19.24 Hrs	49.99	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 28/Jun/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	38.44	0	0
Unit 8	7.68	154.98	341	281
Unit 9	7.77	121.28	345	293
Unit 10	6.64	233.14	326	180
Total	22.09	547.84		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	9.86	279.90	480	365
Unit 5	9.74	275.16	480	360
Total	19.60	555.06		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	108.68	0	0
Unit 7	0.00	72.72	0	0
Unit 8	3.50	111.14	149	142
Total	3.50	292.54		
Chandrapur				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	0.00	0	0
Unit 5	0.00	244.70	0	0
Unit 6	10.66	74.19	475	320
Unit 7	10.63	282.88	455	380
Unit 8	0.00	257.69	0	0
Unit 9	10.72	232.64	461	405
Total	32.01	1092.12		
Paras				
Unit 3	5.04	141.63	250	175
Unit 4	4.96	141.87	250	180
Total	10.00	283.50		
Khaparkheda				
Unit 1	3.64	39.30	160	135
Unit 2	0.00	37.36	0	0
Unit 3	3.84	101.94	165	154
Unit 4	3.86	86.33	165	155
Unit 5	0.00	166.70	0	0
Total	11.34	431.64		
Nasik				
Unit 3	4.00	115.96	185	160
Unit 4	0.00	0.13	0	0
Unit 5	4.03	109.92	184	157
Total	8.02	226.00		
Uran				
All Units	9.01	238.17	389	363
Total	9.01	238.17		
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)	0.10	1.99	23	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.10	1.99		
Koyna				
Stage 1-2	2.14	74.28	395	40
Stage 4	0.00	45.56	0	0
Stage 3	0.76	30.38	160	0
Total	2.90	150.23		
Hydro				
KDPH	0.00	6.03	0	0
VTRNA	0.00	0.25	0	0
TILLARI	1.44	9.20	60	60
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.38	5.76	81	0
RNGR+BHTSA	0.00	5.34	0	0
BHANDARDRA	0.56	7.96	45	10
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.09	5.29	12	1
GHATGHAR	0.50	11.89	125	0
Total	2.97	51.72		
Wind				
Total	38.74	978.96	0	0
Total	38.74	978.96		
CPP				
APML(Mus)	57.24	1168.83	0	0
JSWEL(Mus)	20.33	625.06	0	0
VIPL(Mus)	6.28	201.92	0	0
RPLAMT(Mus)	10.88	453.93	0	0
WPCL(Mus)	2.93	99.46	0	0
Other(Mus)	7.48	290.42	0	0
Total	105.14	2839.62		
SOLAR				
Total	4.40	137.26	0	0
Total	4.40	137.26		
Tata				
Trombay 5	7.47	279.22	466	0
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.42	62.61	115	77
Trombay 7B	1.46	38.42	66	53
Trombay 8	5.36	153.73	235	213
TATA Hydro	5.41	102.00	428	50
Total	22.11	635.97		
R-INFRA				
DTPS U-1&2	10.78	310.67	504	376
Total	10.78	310.67		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	106.56	3428.71	MSPGCL Total	121.44	3868.83
			MSPGCL Thml+Gas	115.57	3666.88	Koyna 1,2 & 4 Total	2.14	119.85
			MSPGCL Hydro	5.87	201.94	State Total	302.61	8771.30

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 28/Jun/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	4610	112	371	5093	1627	4613	0	0	4357	3841	-1335	13839	0	13839	2370	16209	49.99
2	4544	117	366	5027	1672	4588	0	0	3896	3417	-1156	13548	0	13548	2187	15735	50.00
3	4404	117	388	4909	1766	4393	0	0	3700	3412	-1012	13468	0	13468	2039	15507	50.04
4	4380	122	364	4866	1815	4233	0	0	3513	3368	-960	13322	0	13322	1986	15308	50.01
5	4364	136	363	4863	1835	4250	0	0	3618	3643	-938	13653	0	13653	1964	15617	50.01
6	4511	146	383	5040	1750	4273	0	0	4409	4501	-1025	14539	0	14539	2055	16594	50.05
7	4668	132	365	5165	1358	4515	0	39	5283	5372	-1007	15442	0	15442	2135	17577	49.97
8	4543	122	372	5037	1313	4546	0	132	5532	5508	-933	15603	0	15603	2305	17908	50.04
9	4522	112	386	5020	1392	4504	0	281	5660	5215	-1081	15331	0	15331	2596	17927	50.03
10	4291	179	375	4845	1504	4287	0	448	5425	5524	-1119	15489	0	15489	2879	18368	49.94
11	4295	281	369	4945	1597	4277	0	468	5217	5108	-1352	15043	0	15043	3092	18135	50.00
12	4330	239	377	4946	1818	4273	0	480	5214	5061	-1474	15104	0	15104	3043	18147	50.02
13	4294	150	379	4823	1681	4274	0	568	5004	4681	-1394	14633	0	14633	2948	17581	50.01
14	4323	113	382	4818	1763	4276	0	627	4713	4356	-1293	14547	0	14547	2810	17357	50.04
15	4408	113	389	4910	1770	4299	0	564	4397	4405	-1225	14723	0	14723	2790	17513	49.96
16	4458	118	371	4947	1984	4369	0	408	4409	4066	-1220	14554	0	14554	2795	17349	49.96
17	4428	113	380	4921	2098	4383	0	264	4352	4038	-1310	14394	0	14394	2772	17166	50.01
18	4224	135	388	4747	2100	4105	0	106	4357	4241	-1326	13973	0	13973	2722	16695	49.94
19	4268	203	366	4837	1745	3945	0	18	4937	4957	-1254	14248	0	14248	2663	16911	49.98
20	4465	719	374	5558	1411	4356	0	0	5114	4910	-1094	15141	0	15141	2666	17807	49.90
21	4544	849	374	5767	1230	4640	0	0	4418	4383	-1081	14939	0	14939	2631	17570	49.91
22	4551	595	376	5522	1080	4612	0	0	4411	4340	-1109	14445	0	14445	2505	16950	49.97
23	4571	642	374	5587	1250	4615	0	0	3981	4112	-1059	14505	0	14505	2401	16906	49.98
24	4566	308	377	5251	1176	4510	0	0	3914	4068	-1007	13998	0	13998	2299	16297	50.00
MUs	106.56	5.87	9.01	121.44	38.73	105.14	0.00	4.40	109.83	106.53	-27.76	348.48	0.00	348.48	60.65	409.14	49.99

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 28/Jun/2018

Position as on 6.30 Hrs of 29/Jun/2018

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL	Koradi Unit 6	210	09/07/2015	00.00		Continued.	EE R&M LE Work	
MSPGCL	Koyna STG-IV Unit-4	250	12/06/2018	09.40		Continued.	Annual Overhaul	
MSPGCL	Khaparkheda Unit 2	210	12/06/2018	12.27		Continued.	digital avr installation.	
MSPGCL	Khaparkheda Unit 5	500	20/06/2018	05.14		Continued.	Annual Overhaul	
FORCED OUTAGE								
TPC-G	Trombay 6	500	15/07/2015	17.08		Continued.	Economic shutdown. (NO PPA FROM 01.04.2018)	
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	
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	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	Ghatghar Unit-1	125	14/04/2018	23.45		Continued.	Stator Earth Fault	
IPP	RPL(AMT) U-1	270	01/05/2018	00.00		Continued.	Coal Shortage	
MSPGCL	Bhusawal Unit 3	210	21/05/2018	18.46		Continued.	IEPL INTER CHANGE.	
MSPGCL	Nasik Unit 4	210	01/06/2018	00.53		Continued.	Boiler Tube Leakage (Available since 03.06.2018 16:00Hrs)	
MSPGCL	Uran Unit 6	108	09/06/2018	11.50		Continued.	bucchholz relay operated.	
CPP	SWPGL U-4	135	10/06/2018	00.01		Continued.	Maintenance work	
IPP	VIPL U-1	300	11/06/2018	00.30		Continued.	Coal Shortage	
MSPGCL	Koradi Unit 7	210	11/06/2018	22.10		Continued.	Coal Shortage	
IPP	JSW (J) U2	300	16/06/2018	00.19		Continued.	No Schedule	
MSPGCL	Parli Unit 7	250	17/06/2018	08.32		Continued.	POOR COAL RECEIPT.	
IPP	Adani U-5	660	20/06/2018	09.53		Continued.	TURBINE SIDE DRAIN LEAKAGE.	
IPP	RPL(AMT) U-4	270	22/06/2018	17.31		Continued.	Bottom Ash Problem.	
MSPGCL	Chandrapur Unit 5	500	24/06/2018	00.01		Continued.	Water Shortage	
MSPGCL	Parli Unit 6	250	24/06/2018	18.02		Continued.	zero schedule.	
IPP	RPL(AMT) U-3	270	26/06/2018	00.01		Continued.	Zero Schedule	
IPP	IEPL Unit 1	270	26/06/2018	13.00		Continued.	Coal Shortage	
MSPGCL	Chandrapur Unit-8	500	26/06/2018	18.45		Continued.	Boiler Tube Leakage	
TPC-G	Trombay 5	500	28/06/2018	21.27		Continued.	Waterwall Drain Line Leakage	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 28/Jun/2018

Statement-VII

Position as on 6.30 Hrs of 29/Jun/2018

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	22/06/2018	17.38		Continued.	HT	Over Voltage
Dhule - Bableshwar - li	IntraState	01/06/2018	16.42		Continued.	T	Distance Protection Y-PH (Tower Collapsed)
Dhule- Bableshwar - I	IntraState	01/06/2018	16.42		Continued.	T	Distance Protection Y-PH (Tower Collapsed)
Koradi-Khaperkheda I	IntraState	18/06/2018	15.18		Continued.	PO	for tower shifting work.
Koradi-Khaperkheda li	IntraState	18/06/2018	15.25		Continued.	PO	for tower shifting work.
Bhusawal-Aurangabad	IntraState	27/06/2018	19.16		Continued.	HT	Over Voltage
Lonikand 1 - Chakan	IntraState	28/06/2018	12.00	28/06/2018	18.50	PO	Routine Maintenance Work
Chandrapur - Khaperkheda	IntraState	29/06/2018	02.04		Continued.	T	Over Voltage
400 KV ICT Outages/Trippings							
400/220 Kv 600 MVA ICT-II @Kalwa	IntraState	01/06/2018	01.02		Continued.	T	Differential Protection and PRV Operated
400/220/33 Kv 315 Mva ICT 2 @Padghe	IntraState	23/06/2018	11.00		Continued.	HT	Due To Abnormal Sound Coming From 220KV Bhushing B-Phase.
400/220 Kv 500 MVA ICT-III @Kalwa	IntraState	28/06/2018	05.57	28/06/2018	10.30	T	Differential protection
400/220/33kv 315MVA ICT2 @Lonikand	IntraState	28/06/2018	12.30	28/06/2018	17.49	EO	Attending Oil Leakage
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.
Mahalakshmi Amona	InterState	28/06/2018	09.58	28/06/2018	11.48	T	Distance Protection
Tillari Amona	InterState	28/06/2018	09.58	28/06/2018	11.48	T	Tripped at Amona end
Borivali - Tarapur	InterState	28/06/2018	14.30		Continued.	T	Distance Protection
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.
Kalwa - Borivali	IntraState	01/06/2018	01.26		Continued.	HT	To control load on ICT.
Kalwa 52B Interconnector CB	IntraState	01/06/2018	01.35		Continued.	HT	To control load on ICT.
Trombay - Kalwa	IntraState	01/06/2018	01.43		Continued.	HT	To control load on ICT.
SAKI (REL) - SAKI (TATA) CKT - 2	IntraState	01/06/2018	03.29		Continued.	HT	To control load on ICT.
SAKI (REL) - SAKI (TATA) CKT - 1	IntraState	01/06/2018	03.29		Continued.	HT	To control load on ICT.
Kalwa-TIFIL	IntraState	01/06/2018	09.27		Continued.	HT	400KV Kalwa To Control ICT Overloading.
Salsette Borivli 1	IntraState	01/06/2018	10.45		Continued.	HT	Due To Overloading On ICT
Salsette Borivli 2	IntraState	01/06/2018	10.58		Continued.	HT	Due To Overloading On ICT.
Vita - Miraj	IntraState	16/06/2018	14.15		Continued.	PO	Construction Work.
Vita - Mhaishal	IntraState	16/06/2018	15.10		Continued.	PO	Construction Work.
Trombay MSETCL Tie 1	IntraState	27/06/2018	22.30	28/06/2018	07.48	HT	FOR BUS OUTAGE.
Trombay - Mulund	IntraState	27/06/2018	22.30	28/06/2018	06.52	HT	FOR BUS OUTAGE.
Halkarni-Mahalaxmiline	IntraState	28/06/2018	09.12	28/06/2018	18.05	PO	Insulator Replacement Work
Kalwa - Colourchem	IntraState	28/06/2018	09.38	28/06/2018	10.34	HT	To control ICT Overloading
Kalwa - Mulund 2	IntraState	28/06/2018	09.50	28/06/2018	10.32	HT	To control ICT Overloading
Kalwa - Mulund 1	IntraState	28/06/2018	09.50	28/06/2018	10.32	HT	To control ICT Overloading

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 28/Jun/2018

Statement-VII

Position as on 6.30 Hrs of 29/Jun/2018

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Karad(400kv) -Mudshingi Ckt 2-Tak	IntraState	28/06/2018	10.19	28/06/2018	13.58	PO	Quarterly Maintenance Work
Lamboti -Solapur li(Bale) Ckt- li	IntraState	28/06/2018	10.33	28/06/2018	16.25	PO	Isolators Maintenance work
Kathapur-Ranjangaon	IntraState	28/06/2018	11.05	28/06/2018	13.09	PO	String Replacement work
Sonkhar - Trombay	IntraState	28/06/2018	12.37		Continued.	PO	Replacement of Conductor (For 5 Days)
220 KV ICT Outages/Trippings							
220/132kv 100MVA ICT II @Satara Midc	IntraState	26/06/2018	10.35	28/06/2018	21.15	PO	OIL FILTRATION DUE TO ABNORMAL DGA RESULT & OLTC OVERHAULING.
220/132KV 100MVA ICT-II@Belwandi	IntraState	28/06/2018	09.56	28/06/2018	22.10	PO	Testing Work
220/132 kV 100MVA ICT I @ Balapur	IntraState	28/06/2018	11.00	28/06/2018	15.15	PO	Attending Oil Leakage