

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	86.432	2805.177	1) Gujrat	-3.205	-57.970
2) Hydro	11.994	201.840	2) Madhya Pradesh	8.918	229.173
3) Gas	2.933	169.994	3) Chattisgarh	5.180	132.720
Total MSPGCL	101.359	3177.011	4) Maharashtra Net	112.556	2858.935
B) 1) APML	67.127	1558.282	5) Goa (Amona)	-0.484	-17.908
2) JSWEL	17.140	436.482	Total	122.965	3144.950
3) VIPL	6.972	142.590	a) Mumbai Schedule	23.774	619.301
4) RPL(AMT)	12.736	560.427	b) Mumbai Drawl	22.773	730.632
5) WPCL	4.526	106.490	c) MSEDCL Bilateral *	22.854	559.379
6) PGPL	0.000	0.000	Include PX	1.991	18.418
7) Other IPP	6.358	129.438	d) Mumbai Bilateral *	23.774	619.301
C) 1) TPCL Thermal	15.263	376.300	Include PX	5.125	195.200
2) TPCL Hydro	5.830	129.487	Include Standby	0.000	0.000
3) TPCL Gas	3.775	102.030	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.860	266.238	1) MSEDCL	342.728	9979.558
D) STATE			2) Mumbai Discoms	58.500	1604.687
1) Thermal	227.414	6381.424	TOTAL STATE	401.228	11584.245
(A1+C1+C4+(B1-B6))					
2) Hydro	17.824	331.327			
(A2+C2)					
3) Gas	6.708	272.024			
(A3+B6+C3)					
4) Wind	22.636	1354.495			
6) SOLAR	3.682	100.025			
TOTAL STATE	278.264	8439.295			

* 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 20 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	3691	3564	3658	3494
MSPGCL Hydro	859	502	1723	132
MSPGCL Gas	121	131	121	121
MSPGCL Total Generation	4671	4197	5502	3747
Central Sector Receipt	5500	5630	4930	4255
WIND	746	828	980	981
CPP / IPP Thermal	4891	4888	4956	4320
CPP / IPP Gas	0	0	0	0
SOLAR	434	532	0	0
Exchange with Mumbai	-1221	-1346	-893	-770
MSEDCL DEMAND MET	15021	14729	15475	12533
Load Shedding	0	0	0	0
MSEDCL DEMAND	15021	14729	15475	12533
TPCL GENERATION	1269	1097	1347	606
R-INFRA GENERATION	500	502	500	376
MUMBAI DEMAND	2990	2945	2740	1752
STATE DEMAND MET	18011	17674	18215	14285
STATE DEMAND	18011	17674	18215	14285
Frequency (Hz)	49.97	50.00	49.86	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 13.03 Hrs	49.61 Hz at 19.17 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 28/Aug/2018

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.16	0.99	47	0
Unit 7	0.00	3.92	0	0
Unit 8	0.00	177.30	0	0
Unit 9	8.04	224.61	350	298
Unit 10	0.00	0.00	0	0
Total	8.20	406.82		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	85.26	0	0
Unit 5	9.87	267.96	460	345
Total	9.87	353.21		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	0.00	0	0
Unit 7	5.52	129.50	248	180
Unit 8	5.41	145.47	248	192
Total	10.93	274.98		
Chandrapur				
Unit 3	0.00	0.00	2	0
Unit 4	4.16	94.27	185	136
Unit 5	7.56	220.32	335	290
Unit 6	7.81	155.85	380	275
Unit 7	0.00	202.42	0	0
Unit 8	0.00	168.88	0	0
Unit 9	8.47	140.95	418	0
Total	27.99	982.69		
Paras				
Unit 3	5.41	133.75	250	188
Unit 4	5.48	130.46	246	190
Total	10.90	264.21		
Khaparkheda				
Unit 1	0.00	33.37	0	0
Unit 2	0.00	64.05	0	0
Unit 3	3.72	55.27	160	147
Unit 4	3.56	97.93	160	133
Unit 5	7.06	161.05	390	180
Total	14.34	411.67		
Nasik				
Unit 3	4.21	84.68	187	152
Unit 4	0.00	26.91	0	0
Unit 5	0.00	0.00	0	0
Total	4.21	111.59		
Uran				
All Units	2.93	169.99	131	120
Total	2.93	169.99		
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)	0.12	1.78	46	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.12	1.78		
Koyna				
Stage 1-2	2.62	49.22	510	40
Stage 4	2.14	20.67	658	0
Stage 3	1.87	32.46	160	0
Total	6.63	102.34		
Hydro				
KDPH	0.82	19.79	35	34
VTRNA	1.02	14.81	60	0
TILLARI	0.80	20.38	61	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.45	11.87	80	0
RNGR+BHTSA	0.38	5.04	16	15
BHANDARDRA	0.34	9.56	15	14
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.45	13.74	27	16
GHATGHAR	1.10	4.31	125	0
Total	5.36	99.50		
Wind				
Total	22.64	1354.50	0	0
Total	22.64	1354.50		
CPP				
APML(Mus)	67.13	1558.28	0	0
JSWEL(Mus)	17.14	436.48	0	0
VIPL(Mus)	6.97	142.59	0	0
RPLAMT(Mus)	12.74	560.43	0	0
WPCL(Mus)	4.53	106.49	0	0
Other(Mus)	6.36	129.44	0	0
Total	114.86	2933.71		
SOLAR				
Total	3.68	100.02	0	0
Total	3.68	100.02		
Tata				
Trombay 5	9.89	230.76	477	293
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.31	63.10	118	63
Trombay 7B	1.46	38.93	68	50
Trombay 8	5.37	145.54	235	197
TATA Hydro	5.83	129.49	457	0
Total	24.87	607.82		
R-INFRA				
DTPS U-1&2	10.86	266.24	503	375
Total	10.86	266.24		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	86.43	2805.18	MSPGCL Total	101.36	3177.01
			MSPGCL Thml+Gas	89.36	2975.17	Koyna 1,2 & 4 Total	4.76	69.88
			MSPGCL Hydro	11.99	201.84	State Total	278.26	8439.30

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/Aug/2018

Annexure-2

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	3493	185	121	3799	1158	4470	0	0	4395	4547	-987	12987	0	12987	1997	14984	49.96
2	3492	185	130	3807	1075	4335	0	0	4234	4199	-842	12574	0	12574	1841	14415	49.95
3	3494	132	121	3747	981	4320	0	0	4151	4255	-770	12533	0	12533	1752	14285	50.01
4	3539	126	120	3785	1018	4317	0	0	4148	4371	-713	12778	0	12778	1697	14475	50.01
5	3636	151	121	3908	877	4419	0	0	4186	4314	-694	12824	0	12824	1691	14515	49.98
6	3782	207	121	4110	716	4826	0	0	4530	4546	-332	13866	0	13866	1834	15700	49.92
7	3769	665	120	4554	609	4902	0	11	5499	5627	-323	15380	0	15380	2030	17410	49.89
8	3758	561	121	4440	587	4909	0	84	5897	6067	-499	15588	0	15588	2213	17801	49.98
9	3758	566	121	4445	624	4915	0	186	5765	6064	-745	15489	0	15489	2522	18011	50.01
10	3729	795	120	4644	614	4922	0	324	5591	5668	-992	15180	0	15180	2803	17983	49.99
11	3691	859	121	4671	746	4891	0	434	5623	5500	-1221	15021	0	15021	2990	18011	49.97
12	3651	664	120	4435	819	4887	0	513	5611	5498	-1283	14869	0	14869	3033	17902	49.91
13	3564	502	131	4197	828	4888	0	532	5587	5630	-1346	14729	0	14729	2945	17674	50.00
14	3591	315	120	4026	904	4854	0	536	5522	5337	-1246	14411	18	14429	2793	17222	49.98
15	3592	246	121	3959	1083	4867	0	436	5506	5467	-1296	14516	18	14534	2815	17349	49.97
16	3574	257	120	3951	1247	4887	0	346	5489	5464	-1317	14578	18	14596	2828	17424	49.95
17	3572	256	130	3958	1434	4859	0	173	5484	5522	-1348	14598	18	14616	2823	17439	49.96
18	3517	317	120	3954	1231	4893	0	95	5478	5336	-1276	14233	18	14251	2777	17028	49.96
19	3581	1065	121	4767	1108	4902	0	12	5094	5240	-988	15041	0	15041	2738	17779	49.84
20	3658	1723	121	5502	980	4956	0	0	4835	4930	-893	15475	0	15475	2740	18215	49.86
21	3651	1054	120	4825	1034	4966	0	0	4688	5023	-825	15023	0	15023	2631	17654	49.95
22	3674	569	121	4364	989	4922	0	0	4859	4860	-847	14288	0	14288	2496	16784	49.95
23	3382	390	130	3902	1017	4927	0	0	5008	4821	-947	13720	0	13720	2328	16048	49.94
24	3284	204	121	3609	957	4826	0	0	4917	4679	-1043	13028	0	13028	2184	15212	49.98
MUs	86.43	11.99	2.93	101.36	22.64	114.86	0.00	3.68	122.10	122.97	-22.77	342.73	0.09	342.82	58.50	401.32	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 28/Aug/2018

Position as on 6.30 Hrs of 29/Aug/2018

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL	Parli Unit 6	250	23/07/2018	00:00		Continued.	Capital Overhaul	
MSPGCL	Koradi Unit 10	660	28/07/2018	01.09		Continued.	Annual Overhaul	
IPP	JSW (J) U2	300	28/07/2018	13.48		Continued.	Annual Overhaul	
MSPGCL	Bhusawal Unit 4	500	10/08/2018	01.02		Continued.	Capital 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 4	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Parli Unit 5	210	01/04/2016	00.00		Continued.	Economic shutdown	
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	Chandrapur Unit 3	210	03/12/2017	01.35	28/08/2018	23.46	Water Shortage	
MSPGCL	Bhusawal Unit 3	210	21/05/2018	18.46		Continued.	IEPL Inter change	
MSPGCL	Ghatghar Unit-2	125	29/06/2018	01.12		Continued.	Stator Earth Fault	
MSPGCL	Nasik Unit 5	210	12/07/2018	00.00		Continued.	ZERO SCHEDULE.	
MSPGCL	Uran Unit 7	108	20/07/2018	12.53		Continued.	Compressor & Turbine Blade Failure.	
IPP	VIPL U-2	300	27/07/2018	00.48		Continued.	Coal Shortage	
MSPGCL	Koradi Unit 7	210	03/08/2018	15.54		Continued.	Poor Coal Receipt.	
MSPGCL	Nasik Unit 4	210	07/08/2018	15.35		Continued.	Coal Swapping.	
MSPGCL	Khaparkheda Unit 1	210	11/08/2018	23.57		Continued.	Poor coal Receipt	
IPP	RPL(AMT) U-4	270	17/08/2018	20.02		Continued.	zero schedule by MSEDCL.	
IPP	RPL(AMT) U-2	270	17/08/2018	23.00	28/08/2018	20.01	ZERO SCHEDULE BY MSEDCL.	
IPP	RPL(AMT) U-3	270	20/08/2018	15:00		Continued.	Zero Schedule by MSEDCL.	
MSPGCL	Khaparkheda Unit 2	210	21/08/2018	00.00		Continued.	Wet coal.	
MSPGCL	Chandrapur Unit-8	500	23/08/2018	08.37		Continued.	poor coal receipt.	
MSPGCL	Koradi Unit-8	660	23/08/2018	14.49		Continued.	Master Fuel Trip	
IPP	Dhariwal	300	24/08/2018	14.01		Continued.	POOR COAL RECEIPT.	
IPP	RPL(AMT) U-5	270	24/08/2018	18.05		Continued.	MASTER FUEL TRIPPED.	
MSPGCL	Chandrapur Unit 7	500	25/08/2018	20:10		Continued.	Poor Coal Receipt.	
MSPGCL	Uran Unit 6	108	27/08/2018	02:06		Continued.	Generator protection	
MSPGCL	Uran Unit A0	120	27/08/2018	02:06		Continued.	Generator protection	
MSPGCL	Uran Unit 5	108	27/08/2018	03.31		Continued.	Due to A0 Trip.	
MSPGCL	Koradi Unit 6	210	27/08/2018	23.57	28/08/2018	02.42	Generator protection	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 28/Aug/2018

Position as on 6.30 Hrs of 29/Aug/2018

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Koradi Unit 6	210	28/08/2018	06.14		Continued.	Main Steam Temp. Low.	
IPP	IEPL Unit 1	270	28/08/2018	21.26		Continued.	Coal Shortage	
MSPGCL	Chandrapur Unit 9	500	28/08/2018	22.09	29/08/2018	05.08	flashover in 9ca breaker.	
CPP	SWPGL U-4	135	29/08/2018	03.06		Continued.	oil line leakage (generator valve).	
MSPGCL	Chandrapur Unit 9	500	29/08/2018	06.10		Continued.	Drum level high.	

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

Statement-VII

Position as on 6.30 Hrs of 29/Aug/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	27/08/2018	23.30	28/08/2018	00.15	EO	physical inspection of sensor.trans ducer.
HVDC Pole-I	IntraState	28/08/2018	20.01	28/08/2018	22.56	T	AC bus Differential operated
Chandrapur - Padghe Hvdc Pole 2	IntraState	28/08/2018	23.15	29/08/2018	01.20	PO	Load reduced to zero due to CB problem.
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 I	InterState	16/08/2018	03.38		Continued.	T	Distance Protection
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)
Karad-Jaigad - I	IntraState	18/08/2018	23.32		Continued.	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	23/08/2018	18.18		Continued.	HT	Over Voltage
Bus Coupler @ Parly(Girwali)	IntraState	25/08/2018	12.25		Continued.	HT	Bus Bar Protection Out Of Service.
Deepnagar Taptitanda	IntraState	28/08/2018	10.52	28/08/2018	17.06	PO	Testing Work
Khadka-Aurangabad (Waluj)	IntraState	28/08/2018	11.26	28/08/2018	17.04	PO	Routine Maintenance Work
Bus Coupler @ Lonikand	IntraState	28/08/2018	11.53	28/08/2018	18.04	PO	relay retrofitting work.
Karad - Talandge Ckt 2	IntraState	28/08/2018	16.37		Continued.	EO	y ph ct side clamp hot spot.(18.40 RFC).
400 KV ICT Outages/Trippings							
400/220/33 Kv 315 Mva Ict 2 @Dhule	IntraState	28/08/2018	01.05		Continued.	T	on ndr trial failed at 02.16 hrs.
400/220/33 Kv 315 Mva Ict 2 @Dhule	IntraState	28/08/2018	02.16		Continued.	T	Tripped on NDR.
400/220kv 315 MVA ICT-III@Padgha	IntraState	28/08/2018	12.21	28/08/2018	17.56	PO	attending hv cb problem.
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.
Vita - Miraj	IntraState	16/06/2018	14.15		Continued.	PO	Construction Work.
Vita - Mhaishal	IntraState	16/06/2018	15.10		Continued.	PO	Construction Work.
BOISAR BORIVALI	IntraState	24/07/2018	13.18		Continued.	HT	To control line loading for availing outage on PG ckt 3.
Sonkhar - Trombay	IntraState	10/08/2018	08.49		Continued.	PO	Conductor Replacement Work.
Karad -Mudshingi Ckt- IV	IntraState	25/08/2018	13.14		Continued.	T	Distance Protection
Kandalgaon - Sona Alloys	IntraState	25/08/2018	21.02		Continued.	T	Distance Protection
Talandage - Sawantwadi I	IntraState	25/08/2018	21.38		Continued.	T	Distance Protection
JATH SHEDYAL	IntraState	27/08/2018	21.13		Continued.	HT	Over Voltage
JATH SHEDYAL	IntraState	28/08/2018	07.15	28/08/2018	16.05	PO	stringing work.
Maisal-Jath I	IntraState	28/08/2018	07.40	28/08/2018	15.10	PO	stringing work.
Miraj - Mhaishal	IntraState	28/08/2018	08.48	28/08/2018	15.22	EO	jumpering & tightening work of ct at miraj.
Mumewadi -Halkarni I	IntraState	28/08/2018	09.10	28/08/2018	11.23	PO	Insulator Replacement Work
Solapur(Bale) - Tuljapur	IntraState	28/08/2018	09.20	28/08/2018	15.22	PO	replacement of ct.

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/Aug/2018

Statement-VII

Position as on 6.30 Hrs of 29/Aug/2018

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Valve-Jamde	IntraState	28/08/2018	11.05	28/08/2018	14.17	PO	Routine Maintenance Work
Uran - Hoc 1	IntraState	28/08/2018	12.26	28/08/2018	19.14	PO	replacement of distance relay.
TALANDGE TILWANI CKT-II	IntraState	28/08/2018	14.26	28/08/2018	18.18	PO	to trials on own c.b. after maintenance.
Jamde-Dondaicha 1	IntraState	28/08/2018	14.38	28/08/2018	16.14	PO	Routine Maintenance Work
Jamde-Dondaicha 2	IntraState	28/08/2018	16.22	28/08/2018	18.19	PO	Routine Maintenance Work
Gangapur-Valve	IntraState	28/08/2018	18.09	28/08/2018	20.22	PO	Routine Maintenance Work
Adlabs - Pedambe	IntraState	28/08/2018	20.08		Continued.	PO	burning of jump / heavy sparking.
Pedambe-Nerle	IntraState	28/08/2018	20.54		Continued.	T	Distance Protection
220 KV ICT Outages/Trippings							
220/132 Kv 200 Mva Emco Ict 2 @Raymond (Nasik 2)	IntraState	18/08/2018	22.50		Continued.	HT	due to sparking on R-PH HV bushing.
132 KV LINE Outages/Trippings							
Amravati-Chandur-Bazar	IntraState	28/08/2018	11.56	28/08/2018	12.06	T	Distance Protection
Deepnagar- Nimbhora	IntraState	28/08/2018	12.06	28/08/2018	13.11	T	Distance Protection
Solapur II(Bale)-Naldurg	IntraState	28/08/2018	12.10	28/08/2018	21.09	T	Distance Protection
Naldurg - Ujani	IntraState	28/08/2018	12.35		Continued.	T	Distance Protection

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