

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 24/Aug/2018 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	77.647	2468.389	1) Gujrat	-1.213	-53.065
2) Hydro	10.830	168.451	2) Madhya Pradesh	10.891	189.681
3) Gas	9.716	144.546	3) Chattisgarh	4.840	114.740
Total MSPGCL	98.193	2781.386	4) Maharashtra Net	97.924	2443.561
B) 1) APML	62.054	1295.302	5) Goa (Amona)	-0.550	-15.708
2) JSWEL	18.351	366.961	Total	111.892	2679.209
3) VIPL	4.144	120.385	a) Mumbai Schedule	21.285	537.533
4) RPL(AMT)	10.757	515.738	b) Mumbai Drawl	24.844	638.939
5) WPCL	2.631	95.465	c) MSEDCL Bilateral *	22.961	470.272
6) PGPL	0.000	0.000	Include PX	-0.690	13.211
7) Other IPP	9.437	100.661	d) Mumbai Bilateral *	21.285	537.533
C) 1) TPCL Thermal	14.181	322.405	Include PX	7.466	174.296
2) TPCL Hydro	6.164	109.042	Include Standby	0.000	0.000
3) TPCL Gas	3.732	87.079	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.121	227.165	1) MSEDCL	334.656	8630.178
D) STATE			2) Mumbai Discoms	59.042	1384.630
1) Thermal	209.323	5512.471	TOTAL STATE	393.698	10014.808
(A1+C1+C4+(B1-B6))					
2) Hydro	16.994	277.493			
(A2+C2)					
3) Gas	13.448	231.625			
(A3+B6+C3)					
4) Wind	37.712	1228.712			
6) SOLAR	4.329	85.298			
TOTAL STATE	281.806	7335.599			

* 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	3288	3147	3351	3153
MSPGCL Hydro	537	419	1386	182
MSPGCL Gas	399	415	397	401
MSPGCL Total Generation	4224	3981	5134	3736
Central Sector Receipt	5292	5053	4640	3699
WIND	1823	1913	1532	1577
CPP / IPP Thermal	4525	4542	4582	4241
CPP / IPP Gas	0	0	0	0
SOLAR	384	410	2	0
Exchange with Mumbai	-1222	-1572	-933	-719
MSEDCL DEMAND MET	15026	14327	14957	12534
Load Shedding	0	0	0	0
MSEDCL DEMAND	15026	14327	14957	12534
TPCL GENERATION	1139	1067	1311	612
R-INFRA GENERATION	480	375	500	376
MUMBAI DEMAND	2841	3014	2744	1707
STATE DEMAND MET	17867	17341	17701	14241
STATE DEMAND	17867	17341	17701	14241
Frequency (Hz)	50.01	50.02	49.88	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.14 Hz at 12.03 Hrs	49.67 Hz at 19.18 Hrs	49.98	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 24/Aug/2018

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.16	0.53	30	0
Unit 7	0.00	3.92	0	0
Unit 8	0.00	177.30	0	0
Unit 9	3.08	198.51	166	99
Unit 10	0.00	0.00	0	0
Total	3.24	380.26		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	85.26	0	0
Unit 5	10.84	227.78	475	420
Total	10.84	313.04		
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	5.81	108.12	248	215
Unit 8	5.58	124.49	245	214
Total	11.38	232.61		
Chandrapur				
Unit 3	0.00	0.00	0	0
Unit 4	3.79	79.75	170	140
Unit 5	5.87	191.14	255	235
Unit 6	5.64	126.94	255	215
Unit 7	5.56	197.84	249	220
Unit 8	0.00	168.88	0	0
Unit 9	7.46	108.22	337	294
Total	28.32	872.77		
Paras				
Unit 3	4.54	113.54	213	158
Unit 4	4.38	110.91	218	140
Total	8.92	224.44		
Khaparkheda				
Unit 1	0.00	33.37	0	0
Unit 2	0.00	64.05	0	0
Unit 3	0.18	42.70	41	0
Unit 4	3.22	83.30	146	130
Unit 5	7.65	126.21	362	295
Total	11.05	349.63		
Nasik				
Unit 3	3.88	68.72	175	149
Unit 4	0.00	26.91	0	0
Unit 5	0.00	0.00	0	0
Total	3.88	95.63		
Uran				
All Units	9.72	144.55	421	392
Total	9.72	144.55		
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)	0.09	1.59	43	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.09	1.59		
Koyna				
Stage 1-2	2.24	42.14	475	40
Stage 4	1.58	17.65	461	0
Stage 3	1.88	27.49	240	0
Total	5.70	87.28		
Hydro				
KDPH	0.82	16.42	34	34
VTRNA	1.00	10.65	61	0
TILLARI	0.79	17.72	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.46	10.12	80	0
RNGR+BHTSA	0.37	3.54	16	15
BHANDARDRA	0.34	8.18	15	14
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.45	11.93	27	16
GHATGHAR	0.90	2.62	125	0
Total	5.13	81.17		
Wind				
Total	37.71	1228.71	0	0
Total	37.71	1228.71		
CPP				
APML(Mus)	62.05	1295.30	0	0
JSWEL(Mus)	18.35	366.96	0	0
VIPL(Mus)	4.14	120.38	0	0
RPLAMT(Mus)	10.76	515.74	0	0
WPCL(Mus)	2.63	95.46	0	0
Other(Mus)	9.44	100.66	0	0
Total	107.37	2494.51		
SOLAR				
Total	4.33	85.30	0	0
Total	4.33	85.30		
Tata				
Trombay 5	8.93	197.40	481	299
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.27	53.96	116	62
Trombay 7B	1.46	33.11	67	50
Trombay 8	5.25	125.01	242	197
TATA Hydro	6.16	109.04	418	0
Total	24.08	518.53		
R-INFRA				
DTPS U-1&2	10.12	227.16	502	374
Total	10.12	227.16		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	77.65	2468.39	MSPGCL Total	98.19	2781.39
			MSPGCL Thml+Gas	87.36	2612.94	Koyna 1,2 & 4 Total	3.82	59.79
			MSPGCL Hydro	10.83	168.45	State Total	281.81	7335.60

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 24/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	3164	182	411	3757	1447	4345	0	0	4229	4025	-934	12640	0	12640	2013	14653	49.94
2	3174	187	402	3763	1507	4382	0	0	4096	3849	-864	12637	0	12637	1858	14495	50.00
3	3157	182	411	3750	1571	4235	0	0	4036	3722	-763	12515	0	12515	1754	14269	49.99
4	3153	182	401	3736	1577	4241	0	0	4038	3699	-719	12534	0	12534	1707	14241	50.01
5	3159	202	411	3772	1582	4228	0	0	4267	4051	-716	12917	0	12917	1706	14623	49.98
6	3200	312	410	3922	1551	4352	0	0	4576	4199	-407	13617	0	13617	1834	15451	49.97
7	3210	1000	413	4623	1516	4363	0	13	5151	5035	-336	15214	0	15214	2015	17229	49.93
8	3249	1065	409	4723	1667	4362	0	139	5347	5192	-511	15572	0	15572	2222	17794	50.04
9	3228	644	401	4273	1712	4385	0	319	5376	5173	-784	15078	0	15078	2542	17620	50.01
10	3288	537	399	4224	1823	4525	0	384	5456	5292	-1222	15026	0	15026	2841	17867	50.01
11	3247	385	406	4038	1857	4522	0	490	5603	5145	-1615	14437	0	14437	3014	17451	50.02
12	3165	330	393	3888	1738	4479	0	547	5373	5215	-1640	14227	0	14227	3068	17295	49.99
13	3147	419	415	3981	1913	4542	0	410	5235	5053	-1572	14327	0	14327	3014	17341	50.02
14	3156	301	392	3849	1705	4567	0	506	5024	4699	-1494	13832	0	13832	2863	16695	49.99
15	3207	312	392	3911	1806	4420	0	543	5031	4756	-1489	13947	0	13947	2907	16854	49.96
16	3232	195	393	3820	1641	4435	0	474	5323	4949	-1495	13824	0	13824	2895	16719	49.96
17	3234	194	407	3835	1772	4516	0	309	5390	5009	-1469	13972	0	13972	2867	16839	49.98
18	3237	179	408	3824	1706	4568	0	165	5471	4893	-1432	13724	0	13724	2810	16534	50.00
19	3268	516	409	4193	1522	4501	0	28	4917	4925	-1155	14014	0	14014	2753	16767	49.95
20	3351	1386	397	5134	1532	4582	0	2	4660	4640	-933	14957	0	14957	2744	17701	49.88
21	3344	996	410	4750	1264	4739	0	0	4560	4629	-844	14538	0	14538	2637	17175	49.96
22	3372	581	402	4355	1114	4831	0	0	4485	4805	-781	14324	0	14324	2438	16762	49.95
23	3362	351	421	4134	1120	4688	0	0	4601	4512	-768	13686	0	13686	2367	16053	49.97
24	3343	192	403	3938	1069	4570	0	0	4811	4425	-901	13101	0	13101	2173	15274	50.01
MUs	77.65	10.83	9.72	98.19	37.71	107.37	0.00	4.33	117.06	111.89	-24.84	334.66	0.00	334.66	59.04	393.70	49.98

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 24/Aug/2018

Position as on 6.30 Hrs of 25/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		Continued.	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		Continued.	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.	
IPP	Adani U-1	660	21/08/2018	05.02	24/08/2018	08.43	Withdrawn, Bellow Leakage.	
CPP	SWPGL U-4	135	22/08/2018	00.08		Continued.	Change over relay and electrical fault.	
MSPGCL	Khaparkheda Unit 3	210	22/08/2018	01.05	24/08/2018	16.57	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	
MSPGCL	Koradi Unit 6	210	24/08/2018	06.28		Continued.	Coal mill problem	
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.	

State Load Despatch Center, Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 24/Aug/2018

Position as on 6.30 Hrs of 25/Aug/2018

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
CPP	SWPGL U-3	135	24/08/2018	23.00		Continued.	BUS BAR OPERATED 220KV WARORA S/ST.	
MSPGCL	Khaparkheda Unit 3	210	24/08/2018	23.04	25/08/2018	02.01	CONDENSRE VACUM LOW.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 24/Aug/2018

Statement-VII

Position as on 6.30 Hrs of 25/Aug/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 I	InterState	16/08/2018	03.38		Continued.	T	Distance Protection
Kolhapur(M)-Kolhapur(GIS) cktII	InterState	24/08/2018	09.18	24/08/2018	19.44	PO	Routine Maintenance Work
Dhule - Bableshtar - li	IntraState	01/06/2018	16.42		Continued.	T	Distance Protection Y-PH (Tower Collapsed)
Dhule- Bableshtar - I	IntraState	01/06/2018	16.42		Continued.	T	Distance Protection Y-PH (Tower Collapsed)
Khadka-Aurangabad (Waluj)	IntraState	23/08/2018	18.18		Continued.	HT	Over Voltage
Girwali- Lonikand 2	IntraState	24/08/2018	09.27	24/08/2018	19.15	PO	TAN DELTA MEASUREMENT.
Bus Coupler @ Kalwa	IntraState	25/08/2018	06.17		Continued.	PO	TO CONNECTS TRIPPING CONTACT OF BUS BAR RELAY.
400 KV ICT Outages/Trippings							
400/220/33 Kv 315 MVA ICT -I @Kharghar	IntraState	19/08/2018	16.53	24/08/2018	22.02	T	NDR Operated
400/220/33kv 500MVA ICT 5 @ Padghe	IntraState	23/08/2018	04.26	24/08/2018	05.52	T	NDR Operated
400/220/33 kv 315 MVA ICT-I @Chandrapur	IntraState	24/08/2018	08.52	24/08/2018	21.26	PO	Tan Delta & Relay Testing Work.
400/220/33 Kv 315 MVA ICT II @Bableshtar	IntraState	24/08/2018	14.18	24/08/2018	18.48	EO	ATTENDING PROBLEM OF FIRE DETECTOR TRIP INDICATION OF B-PHASE.
400/220/33 Kv 315 MVA ICT-I @Waluj	IntraState	24/08/2018	15.45	24/08/2018	17.12	EO	GAS FILLING.
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.
Bus section @ Kalwa	IntraState	24/08/2018	06.46	24/08/2018	11.22	HT	HAND TRIPPED FOR BUS OUTAGE AT KALWA.
Kalwa - Airoli Knowledge Park	IntraState	24/08/2018	06.50	24/08/2018	12.16	HT	HAND TRIPPED FOR BUS OUTAGE AT KALWA.
Chalishaon-Sayne	IntraState	24/08/2018	09.18	24/08/2018	12.02	PO	Attending Hot Spot
New Koyna - Pedambe	IntraState	24/08/2018	09.25	24/08/2018	16.10	PO	Attending Hot Spot
Ghatghar - Bapgaon	IntraState	24/08/2018	14.20	24/08/2018	22.08	PO	Attending Hot Spot
Kanhan-Umred 1	IntraState	24/08/2018	20.07	24/08/2018	20.53	T	Distance Protection
BHUGAON WARORA CKT-I	IntraState	24/08/2018	22.58	25/08/2018	00.35	T	220KV BUS SECTION (III)BUS BAR PROTECTION OPERATED.
BHUGAON WARORA CKT-II	IntraState	24/08/2018	22.58	25/08/2018	00.35	T	220KV BUS SECTION (III)BUS BAR PROTECTION OPERATED.
Wpcl-Warora 2	IntraState	24/08/2018	22.58	25/08/2018	00.38	T	220KV BUS SECTION (III)BUS BAR PROTECTION OPERATED.
Wpcl-Warora 1	IntraState	24/08/2018	22.58	25/08/2018	00.46	T	220KV BUS SECTION (III)BUS BAR PROTECTION OPERATED.
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.

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 24/Aug/2018

Statement-VII

Position as on 6.30 Hrs of 25/Aug/2018

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-II @Kalwa	IntraState	24/08/2018	06.21	24/08/2018	11.39	HT	HAND TRIPPED FOR BUS OUTAGE AT KALWA.
220/100 Kv 200 Mva Bhel Ict 1 @Kalwa	IntraState	24/08/2018	06.26	24/08/2018	13.35	HT	HAND TRIPPED FOR BUS OUTAGE AT KALWA.
220/22 Kv 50 Mva Cgl Ptr 1 @Kalwa	IntraState	24/08/2018	06.32	24/08/2018	11.42	HT	HAND TRIPPED FOR BUS OUTAGE AT KALWA.

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