

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 03/Sep/2023 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	145.113	443.223	1) Gujrat	7.550	24.673
2) Hydro	19.292	77.372	2) Madhya Pradesh	3.658	16.734
3) Gas	6.979	21.194	3) Chattisgarh	2.380	6.850
Total MSPGCL	171.384	541.789	4) Maharashtra	200.687	600.705
B) 1) APLM	59.341	182.486	5) Goa (Amona)	-1.696	-5.121
2) JSWEL	26.648	79.732	Total	212.579	643.841
3) VIPL	0.000	0.000	a) Mumbai Schedule	27.141	83.293
4) RPL(AMT)	25.535	75.620	b) Mumbai Drawl	30.626	97.113
5) SWPGPL	11.824	35.737	c) MSEDCL Bilateral *	97.492	271.369
6) Other IPP	6.974	20.951	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	27.141	83.258
C) 1) TPCL Thermal	13.599	46.053	Include PX	0.000	0.000
2) TPCL Hydro	2.504	14.738	Standby	0.000	0.035
3) TPCL Gas	2.205	6.024	H) ENERGY CATERED (MUs)		
4) AEML Thermal	8.482	30.336	1) MSEDCL	499.595	1529.450
D) STATE			2) Mumbai Discoms	57.416	194.264
1) Thermal	297.516	914.138	3) Other Discoms	9.905	30.668
(A1+C1+C4+(B1-B6))			TOTAL STATE	566.916	1754.382
2) Hydro (A2+C2)	21.796	92.110			
3) Gas (A3+B7+C3)	9.184	27.218			
4) Wind	13.595	35.594			
6) SOLAR	12.246	41.481			
TOTAL STATE	354.337	1110.541			

* 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 20 Hrs	D. Night Minimum at 24 Hrs
MSPGCL Thermal	6127	6105	5847	5925
MSPGCL Hydro	617	411	963	271
MSPGCL Gas	286	285	294	296
MSPGCL Total Generation	7030	6801	7104	6492
Central Sector Receipt	11040	10755	7307	6993
WIND	280	247	969	805
CPP / IPP Thermal	5454	5409	5465	5445
CPP / IPP Gas	0	0	0	0
SOLAR	1825	1748	0	0
Exchange with Mumbai	-1830	-1803	-1089	-1180
MSEDCL DEMAND MET	23391	22747	19316	18134
Load Shedding	0	0	0	0
MSEDCL DEMAND	23391	22747	19316	18134
TPCL GENERATION	496	491	1027	928
AEML GENERATION	301	316	419	327
MUMBAI DEMAND	2627	2610	2535	2435
OTHER DISCOM DEMAND	408	410	440	421
STATE DEMAND MET	26426	25767	22291	20990
STATE DEMAND	26426	25767	22291	20990
Frequency (Hz)	49.96	49.95	50.03	50.06

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.26 Hz at 16.03 Hrs	49.85 Hz at 11.55 Hrs	50.01	0 % of Time(min)

Note : The report is based on Operational Data and is for statistical purpose only.

Daily and Progressive Generation,Maximum,Minimum for 03/Sep/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.92	12.11	175	150
Unit 8	14.17	41.33	620	561
Unit 9	12.37	35.67	553	488
Unit 10	0.00	0.00	0	0
Total	30.47	89.11		
Bhusawal				
Unit 3	2.96	9.33	140	105
Unit 4	9.70	28.47	455	345
Unit 5	10.05	29.37	445	400
Total	22.72	67.17		
Parli				
Unit 6	4.90	13.68	226	158
Unit 7	4.80	13.74	220	166
Unit 8	4.06	13.20	185	152
Total	13.75	40.62		
Chandrapur				
Unit 3	3.56	10.74	166	128
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	6.56	23.31	375	0
Unit 7	6.69	20.62	315	239
Unit 8	9.63	29.86	452	362
Unit 9	9.90	31.94	460	363
Total	36.34	116.47		
Paras				
Unit 3	4.76	14.41	209	169
Unit 4	4.82	14.53	215	177
Total	9.58	28.94		
Khaparkheda				
Unit 1	2.72	8.71	150	65
Unit 2	2.11	7.38	110	58
Unit 3	3.28	11.07	158	125
Unit 4	3.42	11.69	178	121
Unit 5	10.54	32.07	460	368
Total	22.07	70.92		
Nasik				
Unit 3	3.23	8.76	142	125
Unit 4	3.57	10.73	154	141
Unit 5	3.38	10.51	148	138
Total	10.18	30.00		
Uran				
All Units	6.98	21.19	296	281
Total	6.98	21.19		
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)	1.07	3.20	47	23
Total	1.07	3.20		
Koyna				
Stage 1-2	3.96	14.20	380	30

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	6.69	34.38	752	0
Stage 3	2.30	10.45	240	0
Total	12.94	59.04		
Hydro				
KDPH	0.43	1.30	18	18
VTRNA	0.00	0.00	0	0
TILLARI	0.00	0.00	0	0
BHIRA T.R.	0.41	1.31	80	0
SMLHY_PTN	4.30	12.39	182	176
GHATGHAR	0.14	0.14	125	0
Total	5.28	15.13		
Wind				
Total	13.60	35.59	0	0
Total	13.60	35.59		
CPP				
APML(Mus)	59.34	182.49	0	0
JSWEL(Mus)	26.65	79.73	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.54	75.62	0	0
SWPGPL-Mus	11.82	35.74	0	0
Dhariwal	0.00	0.00	0	0
IEPL	6.12	18.44	259	232
Other(Mus)	0.85	2.51	0	0
Total	130.32	394.53		
SOLAR				
Total	12.25	41.48	0	0
Total	12.25	41.48		
Tata				
Trombay 5	9.01	30.31	450	264
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.23	3.28	108	37
Trombay 7B	0.97	2.74	64	34
TATA Hydro	2.50	14.74	249	19
Trombay 8	4.59	15.75	232	134
Total	18.31	66.82		
AEML				
DTPS U-1&2	8.48	30.34	496	301
Total	8.48	30.34		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	145.11	443.22	MSPGCL Total	171.38	541.79
			MSPGCL Thml+Gas	152.09	464.42	Koyna 1,2 & 4 Total	10.65	48.58
			MSPGCL Hydro	19.29	77.37	State Total	354.34	1110.54

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 03/Sep/2023

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDC L DEM. MET	Load Shedding		MSEDC L DEM. WITH LS	MUMBAI DEMAND	OTHER DISCOM DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS						Planned	*Transmission Constraint					
1	6118	1536	295	7949	450	5533	0	0	8203	8177	-1134	20581	0	0	20581	2514	393	23489	50.03
2	6165	1562	293	8020	479	5524	0	0	8222	8276	-1005	20937	0	0	20937	2347	357	23641	50.02
3	6197	1578	292	8067	484	5550	0	0	8387	8271	-963	21042	0	0	21042	2213	367	23622	49.99
4	6166	1462	293	7921	451	5594	0	0	8489	8296	-927	20986	0	0	20986	2131	349	23466	50.00
5	6121	1545	292	7958	474	5552	0	0	8582	8713	-912	21412	0	0	21412	2114	373	23899	49.99
6	6073	1545	293	7911	496	5517	0	1	8887	8750	-850	21411	0	0	21411	2168	414	23993	50.01
7	6075	1542	292	7909	471	5524	0	69	8837	8740	-828	21467	0	3	21467	2163	417	24048	50.02
8	6113	870	292	7275	412	5520	0	397	9685	9454	-1031	21609	0	6	21609	2190	418	24217	50.03
9	6209	830	290	7329	391	5480	0	881	9326	9425	-1285	21781	0	2	21781	2305	441	24526	50.02
10	6185	805	291	7281	445	5465	0	1375	10019	9810	-1595	22365	0	13	22365	2442	416	25223	50.02
11	6089	504	289	6882	345	5446	0	1757	10751	10739	-1768	22956	0	16	22956	2569	445	25970	50.01
12	6127	617	286	7030	280	5454	0	1825	10960	11040	-1830	23391	0	27	23391	2627	408	26426	49.96
13	6105	411	285	6801	247	5409	0	1748	10960	10755	-1803	22747	0	14	22747	2610	410	25767	49.95
14	5993	277	286	6556	267	5405	0	1495	10840	10652	-1721	22260	0	4	22260	2516	395	25170	50.00
15	5962	281	286	6529	365	5412	0	1223	10468	10322	-1611	21834	0	3	21834	2457	405	24697	50.00
16	5967	282	281	6530	477	5370	0	844	10480	9971	-1552	21222	0	16	21222	2424	418	24064	50.03
17	5996	272	288	6556	630	5190	0	448	10099	9169	-1493	20087	0	0	20087	2363	413	22863	50.04
18	5989	338	289	6616	807	4911	0	168	8946	8598	-1321	19347	0	0	19347	2373	432	22152	50.03
19	6069	443	294	6806	918	5352	0	15	8088	7903	-1352	19197	0	0	19197	2452	445	22094	50.03
20	5847	963	294	7104	969	5465	0	0	7639	7307	-1089	19316	0	0	19316	2535	440	22291	50.03
21	5826	397	295	6518	928	5418	0	0	7554	7363	-1136	18645	0	0	18645	2515	446	21606	50.04
22	5861	475	293	6629	986	5435	0	0	6879	6838	-1103	18339	0	0	18339	2495	446	21280	50.01
23	5935	486	294	6715	1018	5352	0	0	6973	7017	-1137	18528	0	0	18528	2458	437	21423	50.03
24	5925	271	296	6492	805	5445	0	0	7113	6993	-1180	18134	0	0	18134	2435	421	20990	50.06
MUs	145.11	19.29	6.98	171.38	13.60	130.32	0.00	12.25	216.39	212.58	-30.63	499.59	0.00	0.10	499.59	57.42	9.90	566.92	50.01

NOTE : ALL VALUES IN MW

Mumbai Net Exch is shown with reference to MSETCL system and (-) sign indicates MSETCL periphery to Mumbai system.

*Load Shedding due to Transmission Constraint :-

1) 132 KV BBLR-Rahuri line overload

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 03/Sep/2023

Position as on 6.30 Hrs of 04/Sep/2023

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL	Uran Unit 5	108	12/11/2022	13:23		Continued.	Major overhaul.	05/10/2023
MSPGCL	Chandrapur Unit 5	500	22/05/2023	19:00		Continued.	Stator Earth Fault(converted to Capital overhaul from 00.00Hrs DT.27-07-2023)	13/09/2023
MSPGCL	Koyna STG-IV Unit-1	250	05/06/2023	16:30		Continued.	Annual Overhaul	18/09/2023
MSPGCL	Koyna Unit 11	80	10/07/2023	09:40		Continued.	COH	07/12/2023
MSPGCL	Koradi Unit-10	660	11/07/2023	00:45		Continued.	Capital Overhaul.	07/09/2023
MSPGCL	Koyna Unit 8	80	11/07/2023	08:05		Continued.	COH	23/09/2023
MSPGCL	Chandrapur Unit 4	210	27/07/2023	03:00		Continued.	OVERHAUL	05/09/2023
IPP	Adani U-4	660	12/08/2023	23:44		Continued.	Annual Overhaul	05/09/2023
FORCED OUTAGE								
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule.(NO PPA)	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule (NO PPA)	
IPP	VIPL U-1	300	29/12/2018	00.30		Continued.	Coal Shortage. (NO PPA From 20.05.2019)	
IPP	VIPL U-2	300	17/01/2019	00.15		Continued.	Coal shortage.(NO PPA From 20.05.2019)	
CENT.SECTOR	Tarapur 1	160	08/01/2020	10:37		Continued.	Refueling. While refueling preparation, some repair works identified which are being executed before refueling.	01/04/2024
CENT.SECTOR	Tarapur 2	160	13/07/2020	04:38		Continued.	For cleaning of clogged basket strainer of cooling water system due to heavy ingress of debris from sea. The outage extended for repair and re-fueling.	01/05/2024
MSPGCL	Ghatghar Unit-1	125	20/04/2022	00:35		Continued.	Stator Earth Fault	08/11/2023
MSPGCL	Uran Unit A0	120	07/09/2022	16:30		Continued.	TURBINE TRIPPED ON HIGH VIBRATIONS	31/03/2024
MSPGCL	Koyna Unit 7	80	13/08/2023	09:00		Continued.	Spherical Valve maintenance	10/09/2023
IPP	RPL(AMT) U-4	270	22/08/2023	18:46		Continued.	Generator Stator Earth Fault	01/10/2023
MSPGCL	Uran Unit 6	108	02/09/2023	07:16		Continued.	Gas shortage	
MSPGCL	Chandrapur Unit 6	500	03/09/2023	19:07		Continued.	Boiler Tube Leakage	06/09/2023
MSPGCL	Koyna STG-IV Unit-3	250	04/09/2023	05:57		Continued.	24kV CB Stuck-up hence, 400kV CB Tripped.	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Sep/2023

Statement-VII

Position as on 6.30 Hrs of 04/Sep/2023

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							
400KV-PARLI NEW-PARLI-M-1	InterState	19/08/2023	22:49			PO	For reconductoring
BABHALESHWAR - RPL(NSK) CKT - 1	IntraState	01/08/2023	09:21			EO	For attending Oil Leakage Problem of 4Y4 phase Protection CT Of NTPP I (RPL 1)
AURANGABAD(MS) - PUNE (GIS) CKT - 1	IntraState	24/08/2023	06:20	03/09/2023	08:35	HT	H/T to control loading
220 KV DEEPNAGAR (400 KV) - CHALISGAON CKT	IntraState	03/09/2023	09:14	03/09/2023	12:04	EO	Replacement of R-ph Flashover Pilot String at LOC no.8
PARLI - KARJAT CKT - 1	IntraState	03/09/2023	21:11	04/09/2023	02:53	PO	(1) CT testing work. (2) Bay maintenance work. (3) Hardware tightening & fitting work
PARLI-SOLAPUR (LAMBOTI)	IntraState	03/09/2023	22:30	04/09/2023	07:04	T	Distance Protection
DABHOL - NAGOTHANE CKT - 1	IntraState	04/09/2023	09:20			PO	Earthwire Replacement work
400 KV ICT Outages/Trippings							
STATION TF No 3 @ CHANDRAPUR GCR	IntraState	01/03/2023	15:07			PO	1) Oil filtration work 2) Testing of Station transformer 3) Preventive maintenance work.
220 KV LINE Outages/Trippings							
EKLAHARE (OCR) - PADGHE	IntraState	22/07/2023	21:09			HT	As per usual practice line is H/T
AAREY - MSETCL BORIVALI CKT - 2	IntraState	15/08/2023	06:02			T	Tripped on Distance Protection
GOREGAON - AAREY CKT - 2	IntraState	19/08/2023	07:13			PO	Outage proposed for bunching of 220kV Aarey-AEML Borivali Line (which is under outage) with 220kV Aarey-Goregaon Line-2. Work to be executed under MERC approved Aarey AIS to GIS project conversion scheme.
AAREY - MSETCL BORIVALI CKT - 1	IntraState	02/09/2023	23:26	03/09/2023	02:31	HT	Emergency Outage for testing of CKT 2
KALWA - MULUND 2	IntraState	03/09/2023	09:11	03/09/2023	18:43	PO	1) Wave Trap Replacement Work. 2) Isolator alignment & Maintenance work.
VANKUSWADE - KDPH	IntraState	03/09/2023	09:38	03/09/2023	12:17	PO	Hot Spot attending work at Loc No.42 R & Y Ph
PADGHE - NALASOPARA	IntraState	03/09/2023	09:57	03/09/2023	14:49	HT	Emergency outage for 1) Replacement of faulty polymer at loc no.19 B-Ph. 2) Replacement of broken disc insulator at loc no.36
PADGHE - NALASOPARA - VASAI (T)	IntraState	03/09/2023	09:57	03/09/2023	14:49	EO	1) Replacement of faulty polymer at loc no.19 B-Ph. 2) Replacement of broken disc insulator at loc no.36 R Ph. 3) Hot spot attending work at loc no.55(Y-Ph Vasai side Temp-73°C)& Loc No-52 (Y-Ph Padgha side Temp-180 °C)
URAN - KHARGHAR 2	IntraState	03/09/2023	11:30	03/09/2023	14:35	HT	Emergency outage availed for removing bunching at loc no.88 for restoration of uran kharghar-II line
BOMBAY DYEING - SAHARA	IntraState	03/09/2023	11:55	03/09/2023	19:30	PO	For OPGW installation work between T. No .111 to T. No .114 . The existing earth wire is missing in this section.
WAGHIVALI - DHARAVI 7	IntraState	03/09/2023	22:54	04/09/2023	03:40	PO	Project work Diversion of 220kV TS2 Line into TDS Ckt from Somaiya to Vikhroli . Work in vicinity.
SALSETTE - SAKI -7	IntraState	03/09/2023	23:00	04/09/2023	03:40	PO	Project work Diversion of 220kV TS2 Line into TDS Ckt from Somaiya to Vikhrol

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 03/Sep/2023

Statement-VII

Position as on 6.30 Hrs of 04/Sep/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
TROMBAY SALSETTE LINE-2	IntraState	03/09/2023	23:00	04/09/2023	03:40	PO	Project work Diversion of 220kV TS2 Line into TDS Ckt from Somaiya to Vikhroli
PADGHE - KAMBA 2	IntraState	04/09/2023	07:13			T	Distance Protection
220 KV ICT Outages/Trippings							
220 / 110 / 22kV 250 MVA ICT 1 @ SALSETTE	IntraState	12/10/2020	11:35			T	Tripped due to Grid disturbance.
220/132 KV 100 MVA ICT - 1 @KALWAN	IntraState	03/09/2023	14:26	03/09/2023	17:20	HT	"Fire Detector Trip" indication observed on Fire Fighting System Panel
220 KV BUSBAR Outages/Trippings							
220KV AUXILLARY BUS @ BAMBHORI	IntraState	26/07/2023	15:03			T	Avoid mal operation of Aux bus zone, Blocking of busbar relay for aux bus zone is required.
110 KV LINE Outages/Trippings							
SALSETTE POWAI	IntraState	27/03/2023	11:04			PO	Replacement of tower number 77 & 78 for TDS project work.
TATA AMBERNATH MSETCL NERAL	IntraState	03/09/2023	10:22	03/09/2023	12:53	PO	For replacement of Line GOD Clamp and Stem Assembly

HT : Hand Tripping, T : Tripping, PO : Planned Outage, EO : Emergency Outage