

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 02/Sep/2023 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	151.189	298.110	1) Gujrat	9.628	17.123
2) Hydro	27.157	58.080	2) Madhya Pradesh	6.056	13.076
3) Gas	7.372	14.215	3) Chattisgarh	2.360	4.470
Total MSPGCL	185.718	370.405	4) Maharashtra	201.021	400.018
B) 1) APLM	61.791	123.145	5) Goa (Amona)	-1.756	-3.425
2) JSWEL	26.140	53.084	Total	217.309	431.262
3) VIPL	0.000	0.000	a) Mumbai Schedule	28.540	56.152
4) RPL(AMT)	24.425	50.085	b) Mumbai Drawl	32.711	66.487
5) SWPGPL	11.960	23.913	c) MSEDCL Bilateral *	90.264	173.876
6) Other IPP	6.988	13.977	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	28.540	56.117
C) 1) TPCL Thermal	16.274	32.454	Include PX	0.000	0.000
2) TPCL Hydro	5.059	12.234	Standby	0.000	0.035
3) TPCL Gas	1.834	3.819	H) ENERGY CATERED (MUs)		
4) AEML Thermal	10.317	21.854	1) MSEDCL	519.824	1029.855
D) STATE			2) Mumbai Discoms	66.195	136.848
1) Thermal	309.084	616.622	3) Other Discoms	10.176	20.763
(A1+C1+C4+(B1-B6))			TOTAL STATE	596.195	1187.466
2) Hydro	32.216	70.314			
(A2+C2)					
3) Gas	9.206	18.034			
(A3+B7+C3)					
4) Wind	14.320	21.999			
6) SOLAR	14.060	29.235			
TOTAL STATE	378.886	756.204			

* 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	6313	6263	6421	6126
MSPGCL Hydro	758	601	1663	1272
MSPGCL Gas	285	285	291	292
MSPGCL Total Generation	7356	7149	8375	7690
Central Sector Receipt	11160	10783	8382	8159
WIND	326	469	1077	548
CPP / IPP Thermal	5475	5439	5454	5512
CPP / IPP Gas	0	0	0	0
SOLAR	1977	1790	0	0
Exchange with Mumbai	-1837	-1785	-1297	-1199
MSEDCL DEMAND MET	23993	23402	21496	20296
Load Shedding	0	0	0	0
MSEDCL DEMAND	23993	23402	21496	20296
TPCL GENERATION	926	949	1162	992
AEML GENERATION	458	447	502	437
MUMBAI DEMAND	3221	3181	2961	2628
OTHER DISCOM DEMAND	464	444	496	414
STATE DEMAND MET	27678	27026	24952	23338
STATE DEMAND	27678	27026	24952	23338
Frequency (Hz)	50.00	50.02	49.97	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.19 Hz at 13:03 Hrs	49.72 Hz at 18:49 Hrs	50	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 02/Sep/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	4.08	8.18	180	160
Unit 8	13.78	27.16	594	549
Unit 9	11.82	23.30	539	463
Unit 10	0.00	0.00	0	0
Total	29.68	58.64		
Bhusawal				
Unit 3	3.20	6.36	140	125
Unit 4	9.70	18.77	460	335
Unit 5	9.92	19.32	435	380
Total	22.82	44.46		
Parli				
Unit 6	3.86	8.78	222	91
Unit 7	4.19	8.94	209	144
Unit 8	4.65	9.14	208	174
Total	12.70	26.86		
Chandrapur				
Unit 3	3.58	7.17	165	124
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	8.70	16.75	380	307
Unit 7	7.50	13.93	342	268
Unit 8	10.11	20.23	445	380
Unit 9	11.36	22.05	498	455
Total	41.24	80.13		
Paras				
Unit 3	4.78	9.64	215	185
Unit 4	4.88	9.71	221	171
Total	9.65	19.35		
Khaparkheda				
Unit 1	2.98	5.99	160	75
Unit 2	2.76	5.27	128	96
Unit 3	3.98	7.79	178	146
Unit 4	4.34	8.27	189	160
Unit 5	10.75	21.53	450	433
Total	24.81	48.85		
Nasik				
Unit 3	3.32	5.53	148	129
Unit 4	3.51	7.16	151	143
Unit 5	3.45	7.13	152	140
Total	10.28	19.82		
Uran				
All Units	7.37	14.22	379	280
Total	7.37	14.22		
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)	1.08	2.14	49	23
Total	1.08	2.14		
Koyna				
Stage 1-2	5.16	10.24	380	45

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	12.27	27.69	755	43
Stage 3	3.78	8.16	240	0
Total	21.21	46.09		
Hydro				
KDPH	0.43	0.86	18	18
VTRNA	0.00	0.00	0	0
TILLARI	0.00	0.00	0	0
BHIRA T.R.	0.44	0.90	80	0
SMLHY_PTN	3.99	8.09	169	161
GHATGHAR	0.00	0.00	0	0
Total	4.87	9.85		
Wind				
Total	14.32	22.00	0	0
Total	14.32	22.00		
CPP				
APML(Mus)	61.79	123.14	0	0
JSWEL(Mus)	26.14	53.08	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	24.42	50.08	0	0
SWPGPL-Mus	11.96	23.91	0	0
Dhariwal	0.00	0.00	0	0
IEPL	6.15	12.32	259	250
Other(Mus)	0.84	1.65	0	0
Total	131.30	264.20		
SOLAR				
Total	14.06	29.24	0	0
Total	14.06	29.24		
Tata				
Trombay 5	10.69	21.30	453	404
Trombay 6	0.00	0.00	0	0
Trombay 7A	0.98	2.05	77	37
Trombay 7B	0.86	1.77	51	34
TATA Hydro	5.06	12.23	376	129
Trombay 8	5.59	11.16	236	231
Total	23.17	48.51		
AEML				
DTPS U-1&2	10.32	21.85	502	305
Total	10.32	21.85		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	151.19	298.11	MSPGCL Total	185.72	370.40
			MSPGCL Thml+Gas	158.56	312.32	Koyna 1,2 & 4 Total	17.43	37.94
			MSPGCL Hydro	27.16	58.08	State Total	378.89	756.20

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 02/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	6265	1138	288	7691	606	5527	0	0	7509	8088	-1143	20369	378	0	20747	2669	400	23816	49.97
2	6286	1292	296	7874	479	5512	0	0	7625	7738	-1041	20184	521	0	20705	2490	378	23573	49.99
3	6333	1513	360	8206	479	5529	0	0	7824	7760	-923	20708	297	0	21005	2336	343	23684	50.01
4	6340	1553	375	8268	365	5531	0	0	8137	7980	-837	20979	60	0	21039	2237	329	23604	50.00
5	6345	1542	378	8265	344	5531	0	0	8335	8723	-813	21714	318	0	22032	2209	336	24577	49.95
6	6287	1519	378	8184	318	5551	0	0	8539	8345	-884	21130	982	0	22112	2283	384	24779	49.98
7	6252	1427	379	8058	327	5485	0	76	8344	8113	-938	20735	969	0	21704	2339	386	24429	49.95
8	6301	1191	299	7791	270	5485	0	395	9033	8588	-1072	21046	108	0	21154	2441	411	24006	50.02
9	6265	1020	287	7572	222	5523	0	958	9606	9458	-1466	21837	0	0	21837	2667	430	24934	50.03
10	6284	1164	288	7736	212	5514	0	1477	9892	10005	-1774	22721	0	0	22721	2943	449	26113	50.03
11	6343	1200	286	7829	255	5547	0	1783	10566	10336	-1895	23397	0	0	23397	3155	459	27010	50.03
12	6313	758	285	7356	326	5475	0	1977	11360	11160	-1837	23993	0	0	23993	3221	464	27678	50.00
13	6263	601	285	7149	469	5439	0	1790	10970	10783	-1785	23402	0	0	23402	3181	444	27026	50.02
14	6319	578	280	7177	742	5394	0	1589	10933	10780	-1751	23496	0	0	23496	3038	434	26969	50.04
15	6263	374	282	6919	772	5393	0	1551	11015	10860	-1820	23220	0	0	23220	3052	455	26727	50.00
16	6178	679	298	7155	923	5343	0	1292	10819	10778	-1827	23213	0	0	23213	3059	452	26723	49.98
17	6308	853	289	7450	1005	5272	0	816	9819	9555	-1730	21913	0	0	21913	3023	456	25391	49.96
18	6350	928	292	7570	1189	5345	0	320	9352	8944	-1582	21322	0	0	21322	2985	465	24771	49.98
19	6353	1330	291	7974	1140	5454	0	36	8484	8339	-1386	21088	0	0	21088	2971	469	24528	49.95
20	6421	1663	291	8375	1077	5454	0	0	8194	8382	-1297	21496	0	0	21496	2961	496	24952	49.97
21	6333	1191	290	7814	876	5492	0	0	8155	8200	-1270	20661	0	0	20661	2869	451	23981	50.02
22	6358	1204	289	7851	695	5490	0	0	8161	8049	-1249	20395	0	0	20395	2760	441	23596	50.01
23	6303	1166	294	7763	681	5504	0	0	8150	8187	-1192	20511	0	0	20511	2678	432	23621	50.00
24	6126	1272	292	7690	548	5512	0	0	8289	8159	-1199	20296	0	0	20296	2628	414	23338	50.01
MUs	151.19	27.16	7.37	185.72	14.32	131.30	0.00	14.06	219.11	217.31	-32.71	519.82	3.63	0.00	523.46	66.19	10.18	599.83	50.00

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 :-

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 02/Sep/2023

Position as on 6.30 Hrs of 03/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	31/08/2023	23:56	02/09/2023	01:32	Gas shortage	
MSPGCL	Koyna STG-IV Unit-2	250	02/09/2023	00:27	02/09/2023	02:10	Main cooling water level low	
MSPGCL	Koyna STG-IV Unit-4	250	02/09/2023	00:27	02/09/2023	01:05	Main cooling water level low	
MSPGCL	Koyna STG-IV Unit-3	250	02/09/2023	00:27	02/09/2023	01:00	Main cooling water level low	
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

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Sep/2023

Statement-VII

Position as on 6.30 Hrs of 03/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
CHAKAN - TALEGAON(PG)	InterState	02/09/2023	01:01	02/09/2023	07:39	T	Tripped on Distance protection.
BABHALESHWAR - RPL(NSK) CKT - 1	IntraState	01/08/2023	09:21			EO	For attending Oil Leakage Problem of 2Y2 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
KHADKA-AURANGABAD (WALUJ)	IntraState	01/09/2023	19:41	02/09/2023	08:20	HT	HAND TRIPPED TO COTROL OVER VOLTAGE
MAIN BUS - 2 @ LONIKAND 2	IntraState	02/09/2023	12:15	02/09/2023	18:45	PO	RRS Jumpering work
PADGHE - KALWA CKT - 1	IntraState	02/09/2023	23:24	02/09/2023	02:31	HT	Emergency Outage for attending hotspot
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		Continued.	PO	(1) CT testing work. (2) Bay maintenance work. (3) Hardware tightening & fitting work
PARLI-SOLAPUR (LAMBOTI)	IntraState	03/09/2023	22:30		Continued.	T	Distance Protection
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.
400/220 KV 500MVA ICT - 4 @ KALWA	IntraState	02/09/2023	05:20	02/09/2023	08:51	PO	LV CT (all phase) clamp replacement work.
400/220 KV 167MVA SPARE ICT @ LONIKAND 2	IntraState	02/09/2023	12:15	02/09/2023	18:51	PO	RRS Jumpering 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.
BHANDARA-SUNFLAG 2	IntraState	02/09/2023	10:18	02/09/2023	17:12	PO	Routine Maintenance work
BELEWADI - MUMEWADI LINE	IntraState	02/09/2023	10:33	02/09/2023	13:14	PO	For Diagnostic Testing of CB & Maintenance work of bay equipments
BIDRI - SAWANTWADI	IntraState	02/09/2023	12:05	02/09/2023	15:06	PO	For 220kV Bidri-Sawantwadi Line Bay LMU replacement work
BOMBAY DYEING - SAHARA	IntraState	02/09/2023	12:50	02/09/2023	19:26	PO	For OPGW installation work between T. No .111 to T. No .114 . The existing earth wire is missing in this section.
HAMIDWADA - MUMEWADI	IntraState	02/09/2023	14:24	02/09/2023	18:42	PO	For Diagnostic Testing of CB & Maintenance work of bay equipments
CHALISGAON -KOPARGAON	IntraState	02/09/2023	16:24	02/09/2023	19:34	PO	Replacement of Flash over Disc
CHALISGAON -KOPARGAON	IntraState	02/09/2023	16:24	02/09/2023	19:35	PO	To attain following work. 1)For replace the flash over disc at cut point tower Loc No. 69 Yph & 77 R ph
220 KV PARLI (OLD GCR)-GIRWALI (400 KV) CKT 4	IntraState	02/09/2023	17:01	02/09/2023	19:24	EO	To attend Hot Spot
AAREY - MSETCL BORIVALI CKT - 1	IntraState	02/09/2023	23:26	03/09/2023	02:31	HT	Emergency Outage for testing of CKT 2

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Sep/2023

Statement-VII

Position as on 6.30 Hrs of 03/Sep/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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		Continued.	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		Continued.	PO	Project work Diversion of 220kV TS2 Line into TDS Ckt from Somaiya to Vikhrol
TROMBAY SALSETTE LINE-2	IntraState	03/09/2023	23:00		Continued.	PO	Project work Diversion of 220kV TS2 Line into TDS Ckt from Somaiya to Vikhroli
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 200 MVA ICT 2 @ AMALNER	IntraState	02/09/2023	06:20	02/09/2023	10:56	PO	Testing work
220 / 110 / 33kV 250MVA ICT 8 @ DHARAVI	IntraState	02/09/2023	10:08	02/09/2023	20:15	PO	220KV breaker will kept out between 0800 and 1700 hrs for CSD installation. ICT will be taken out in between 1700 and 2300 hrs.
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.
MAIN BUS - 1 @ PHALTAN MIDC-220 KV	IntraState	30/08/2023	11:34	02/09/2023	17:42	PO	220kV Bus PT Extension Work
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