

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 07/Sep/2023 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	130.745	988.585	1) Gujrat	1.138	35.222
2) Hydro	6.874	130.151	2) Madhya Pradesh	-2.586	11.827
3) Gas	6.995	48.866	3) Chattisgarh	2.900	20.740
Total MSPGCL	144.614	1167.602	4) Maharashtra	185.823	1407.271
B) 1) APML	52.254	419.249	5) Goa (Amona)	-1.852	-12.138
2) JSWEL	26.146	186.240	Total	185.423	1462.922
3) VIPL	0.000	0.000	a) Mumbai Schedule	33.097	217.540
4) RPL(AMT)	25.602	177.822	b) Mumbai Drawl	37.162	248.182
5) SWPGPL	11.896	83.445	c) MSEDCL Bilateral *	117.389	691.553
6) Other IPP	6.346	48.020	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	33.097	217.490
C) 1) TPCL Thermal	11.507	97.553	Include PX	0.000	0.000
2) TPCL Hydro	3.049	31.204	Standby	0.000	0.049
3) TPCL Gas	2.319	15.399	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.779	69.611	1) MSEDCL	462.730	3486.980
D) STATE			2) Mumbai Discoms	63.816	461.950
1) Thermal	274.275	2070.525	3) Other Discoms	10.294	72.517
(A1+C1+C4+(B1-B6))			TOTAL STATE	536.840	4021.447
2) Hydro (A2+C2)	9.923	161.355			
3) Gas (A3+B7+C3)	9.314	64.265			
4) Wind	51.736	176.189			
6) SOLAR	6.169	86.190			
TOTAL STATE	351.417	2558.524			

* 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 24 Hrs
MSPGCL Thermal	5653	5046	5785	5382
MSPGCL Hydro	273	313	497	216
MSPGCL Gas	289	293	296	293
MSPGCL Total Generation	6215	5652	6578	5891
Central Sector Receipt	9068	8961	6340	6036
WIND	2390	2318	1935	1895
CPP / IPP Thermal	5438	4593	5825	5140
CPP / IPP Gas	0	0	0	0
SOLAR	584	896	0	0
Exchange with Mumbai	-2016	-2213	-1159	-1153
MSEDCL DEMAND MET	21242	19777	19067	17126
Load Shedding	0	0	0	0
MSEDCL DEMAND	21242	19777	19067	17126
TPCL GENERATION	575	511	1118	877
AEML GENERATION	357	328	470	491
MUMBAI DEMAND	2948	3052	2747	2521
OTHER DISCOM DEMAND	437	430	452	683
STATE DEMAND MET	24627	23259	22266	20330
STATE DEMAND	24627	23259	22266	20330
Frequency (Hz)	50.00	49.97	50.04	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.25 Hz at 08.45 Hrs	49.85 Hz at 10.21 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 07/Sep/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.24	26.14	155	95
Unit 8	13.30	92.64	594	480
Unit 9	10.32	79.97	480	381
Unit 10	0.00	0.00	0	0
Total	26.86	198.75		
Bhusawal				
Unit 3	2.92	18.61	135	105
Unit 4	8.24	66.72	395	295
Unit 5	8.13	67.44	390	280
Total	19.30	152.77		
Parli				
Unit 6	4.19	32.57	238	145
Unit 7	4.00	32.10	209	144
Unit 8	3.28	30.26	201	80
Total	11.46	94.94		
Chandrapur				
Unit 3	3.46	25.01	160	126
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	6.64	37.02	320	241
Unit 7	5.76	45.12	257	225
Unit 8	8.34	66.89	380	302
Unit 9	9.17	71.02	418	348
Total	33.37	245.06		
Paras				
Unit 3	4.29	33.59	212	146
Unit 4	4.68	34.81	229	141
Total	8.97	68.40		
Khaparkheda				
Unit 1	2.62	19.76	135	70
Unit 2	2.16	15.14	107	75
Unit 3	3.11	24.94	137	102
Unit 4	3.04	24.94	143	98
Unit 5	10.34	74.09	455	345
Total	21.27	158.88		
Nasik				
Unit 3	3.10	21.45	136	120
Unit 4	3.24	24.64	151	120
Unit 5	3.16	23.70	145	116
Total	9.50	69.79		
Uran				
All Units	7.00	48.87	296	282
Total	7.00	48.87		
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)	0.43	5.03	44	0
Total	0.43	5.03		
Koyna				
Stage 1-2	1.76	25.77	240	30

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	0.00	48.77	0	0
Stage 3	0.47	16.52	132	0
Total	2.24	91.06		
Hydro				
KDPH	0.43	3.02	18	18
VTRNA	0.00	0.00	0	0
TILLARI	0.00	0.00	0	0
BHIRA T.R.	0.33	2.80	77	0
SMLHY_PTN	3.45	27.42	160	120
GHATGHAR	0.00	0.83	0	0
Total	4.21	34.07		
Wind				
Total	51.74	176.19	0	0
Total	51.74	176.19		
CPP				
APML(Mus)	52.25	419.25	0	0
JSWEL(Mus)	26.15	186.24	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	25.60	177.82	0	0
SWPGPL-Mus	11.90	83.44	0	0
Dhariwal	0.00	0.00	0	0
IEPL	5.67	42.34	257	183
Other(Mus)	0.68	5.68	0	0
Total	122.24	914.78		
SOLAR				
Total	6.17	86.19	0	0
Total	6.17	86.19		
Tata				
Trombay 5	7.39	64.00	437	216
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.31	8.58	108	38
Trombay 7B	1.01	6.82	64	35
TATA Hydro	3.05	31.20	324	31
Trombay 8	4.12	33.55	226	133
Total	16.88	144.16		
AEML				
DTPS U-1&2	9.78	69.61	500	299
Total	9.78	69.61		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	130.74	988.58	MSPGCL Total	144.61	1167.60
			MSPGCL Thml+Gas	137.74	1037.45	Koyna 1,2 & 4 Total	1.76	74.54
			MSPGCL Hydro	6.87	130.15	State Total	351.42	2558.52

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 07/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	5763	246	282	6291	1850	6123	0	0	6660	6606	-1290	19196	0	0	19196	2658	384	22238	49.97
2	5792	213	287	6292	2017	6026	0	0	6780	6460	-1166	19273	0	0	19273	2513	356	22142	50.01
3	5762	210	288	6260	2138	5565	0	0	7194	6655	-1277	19001	0	0	19001	2350	340	21691	50.00
4	5656	205	288	6149	2236	5038	0	0	7339	7039	-1297	18836	0	0	18836	2240	329	21405	49.99
5	5618	210	288	6116	2301	4993	0	0	7662	7369	-1333	19096	0	0	19096	2204	350	21650	49.98
6	5366	228	288	5882	2371	4805	0	0	8575	8207	-1412	19468	0	0	19468	2262	385	22115	49.99
7	5457	227	287	5971	2271	4937	0	31	8588	8562	-1288	20077	0	5	20077	2324	407	22808	49.99
8	5577	491	289	6357	2062	5024	0	179	8466	8679	-1453	20423	0	5	20423	2464	425	23312	50.00
9	5524	481	286	6291	2351	5092	0	381	8751	9016	-1700	20988	0	13	20988	2714	443	24145	50.12
10	5653	273	289	6215	2390	5438	0	584	9210	9068	-2016	21242	0	13	21242	2948	437	24627	50.00
11	5131	222	293	5646	2483	4675	0	705	10302	9875	-2103	20828	0	13	20828	3116	453	24397	49.92
12	5057	202	295	5554	2529	4608	0	823	9829	9801	-2272	20599	0	4	20599	3129	444	24172	50.01
13	5046	313	293	5652	2318	4593	0	896	8986	8961	-2213	19777	0	0	19777	3052	430	23259	49.97
14	5059	214	294	5567	2390	4618	0	863	8753	8523	-2088	19443	0	0	19443	2899	430	22772	49.99
15	5027	206	296	5529	2231	4666	0	752	8751	8488	-1972	19260	0	0	19260	2839	434	22533	49.95
16	5232	181	295	5708	2200	4775	0	557	8571	8338	-1933	19201	0	0	19201	2809	444	22454	49.99
17	5281	181	294	5756	2007	4690	0	308	8185	7995	-1881	18417	0	0	18417	2736	458	21611	49.98
18	5169	384	295	5848	2114	4729	0	88	7701	7704	-1736	18300	0	0	18300	2722	447	21469	50.05
19	5638	529	295	6462	2011	5064	0	2	7086	7146	-1323	18918	0	0	18918	2724	444	22086	49.98
20	5785	497	296	6578	1935	5825	0	0	6656	6340	-1159	19067	0	0	19067	2747	452	22266	50.04
21	5669	370	294	6333	1882	5363	0	0	6380	6178	-1055	18255	0	0	18255	2675	446	21376	49.99
22	5559	307	296	6162	1863	5135	0	0	6423	6399	-1026	18094	0	0	18094	2613	439	21146	50.02
23	5542	268	294	6104	1891	5322	0	0	6210	5978	-1016	17843	0	0	17843	2557	436	20836	50.03
24	5382	216	293	5891	1895	5140	0	0	6428	6036	-1153	17126	0	0	17126	2521	683	20330	50.02
MUs	130.74	6.87	6.99	144.61	51.74	122.24	0.00	6.17	189.49	185.42	-37.16	462.73	0.00	0.05	462.73	63.82	10.29	536.84	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 :-

220/33 KV 50 MVA T/F I & II OVERLOAD at 220 Kv Kopargaon sstn

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 07/Sep/2023

Position as on 6.30 Hrs of 08/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)	20/09/2023
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.	13/09/2023
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	08/09/2023
FORCED OUTAGE								
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule (NO PPA)	
PGPL	PGPL U2	126	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	Nasik Unit 3	210	08/09/2023	00:47	08/09/2023	03:15	Flame Failure	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 07/Sep/2023

Statement-VII

Position as on 6.30 Hrs of 08/Sep/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
500 KV TBC Outages/Trippings							
POLE-1 BASE AC FILTER Z1-Z2(200MVAR) @ CHANDRAPUR HVDC	IntraState	06/09/2023	22:55	07/09/2023	01:43	HT	Emergency outage availed for attending hotspot of temp.158 deg. Cel.
500 KV LR Outages/Trippings							
POLE-1 BASE AC FILTER Z1-Z2(200MVAR) @ PADGHE HVDC	IntraState	07/09/2023	22:22	08/09/2023	00:23	T	Tripped on level 3, jumper found broken
400 KV TIEBAY Outages/Trippings							
TIE BAY (405) OF ICT -2 AND STG-4 @ JEJURI	IntraState	07/09/2023	11:30	07/09/2023	13:44	PO	Replacement of pole discrepancy relay of 405 Tie bay
400 KV LINE Outages/Trippings							
400KV-PARLI NEW-PARLI-M-1	InterState	19/08/2023	22:49			PO	For reconductoring
CHAKAN - TALEGAON(PG)	InterState	08/09/2023	00:42	08/09/2023	06:18	EO	For attending 2 No's of Hotspots and repairing of damaged conductor at R Phase Wave Trap.
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)
DABHOL - NAGOTHANE CKT - 2	IntraState	06/09/2023	08:30	07/09/2023	20:47	PO	String insulators replacement
PARLI-SOLAPUR (LAMBOTI)	IntraState	07/09/2023	10:21	07/09/2023	19:27	PO	(1) Main-1 distance relay testing work. (2) Bay maintenance work. (3) Hardware tightening & fitting work
DHULE- - BABLESHWAR CKT - 2	IntraState	07/09/2023	11:30	07/09/2023	20:36	PO	Routine line maintenance and insulator cleaning work
KHADKA-AURANGABAD (WALUJ)	IntraState	07/09/2023	17:07			HT	H/T For Voltage management.
LONIKAND 2 - KARJAT CKT - 1	IntraState	07/09/2023	19:22	07/09/2023	22:11	PO	Line Reactor testing 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.
400/220/33 KV 315 MVA ICT - 3 @ PADGHE	IntraState	05/09/2023	09:21			PO	1.Replacement of HV CB under LES Scheme.2.A & B Bus PG Isolator Maintenance Work.3.ICT HV Side will be in service through TBC.
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.
SAHARA-URSE	IntraState	06/09/2023	23:13	07/09/2023	00:57	HT	To control line loading and to avail emergency outage on 220 kv Talegaon Ambi - Urse ckt 1.
URSE - TALEGAON (AMBI) CKT 1	IntraState	06/09/2023	23:20	07/09/2023	00:52	HT	Emergency outage availed for Attending Hot-Spot on Y-ph CT of 220kv Talegaon-Urse Ckt-1 line.
BABLESHWAR- ALEPHATA CKT - 1	IntraState	07/09/2023	07:22	07/09/2023	19:16	PO	for attending the damage conductor at various cut point locations found in monkey patrolling of the line. 83 Y ph Alephata side, 82 B ph Alephata side, 74 R ph BBLR side, 98 R ph alephata side ..

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 07/Sep/2023

Statement-VII

Position as on 6.30 Hrs of 08/Sep/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
MUMEWADI -HALKARNI 2 LINE	IntraState	07/09/2023	10:06	07/09/2023	11:52	PO	"For Diagnostic Testing of CB & Maintenance work of bay equipments"
HALKARNI - TILARI LINE	IntraState	07/09/2023	13:04	07/09/2023	16:25	PO	"For Diagnostic Testing of CB & Maintenance work of bay equipments"
PADGHE - JAMBHUL 2	IntraState	08/09/2023	00:05	08/09/2023	01:30	T	Tripped on 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 2 @ RANJANGAON	IntraState	06/09/2023	10:20	07/09/2023	15:36	PO	for 220kV Circuit breaker overhauling work.
220/22KV 50MVA PTR 2 @ CHAKAN PHASE II	IntraState	07/09/2023	10:42	07/09/2023	17:18	PO	Hot spot attending work .Diagnostic testing work , Annual relay testing work Yearly maintenance .
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.
100 KV LINE Outages/Trippings							
KALWA - SALSETTE CKT - 1	IntraState	05/09/2023	09:41			PO	CB pole Overhauling work

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