

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 23/Sep/2023 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	121.097	2948.176	1) Gujrat	12.015	140.227
2) Hydro	10.977	291.975	2) Madhya Pradesh	7.698	98.283
3) Gas	6.946	122.485	3) Chattisgarh	4.540	82.180
Total MSPGCL	139.020	3362.636	4) Maharashtra	176.661	4245.864
B) 1) APML	57.650	1408.759	5) Goa (Amona)	-1.361	-38.898
2) JSWEL	24.192	591.130	Total	199.553	4527.656
3) VIPL	0.000	0.000	a) Mumbai Schedule	34.319	785.751
4) RPL(AMT)	18.289	565.196	b) Mumbai Drawl	37.592	877.206
5) SWPGPL	11.745	270.890	c) MSEDCL Bilateral *	86.893	2269.273
6) Other IPP	5.383	142.198	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	34.319	785.687
C) 1) TPCL Thermal	10.690	280.423	Include PX	0.000	0.000
2) TPCL Hydro	3.588	84.059	Standby	0.000	0.064
3) TPCL Gas	1.637	49.217	H) ENERGY CATERED (MUs)		
4) AEML Thermal	8.751	222.818	1) MSEDCL	428.434	10789.139
D) STATE			2) Mumbai Discoms	62.258	1513.724
1) Thermal	257.797	6429.590	3) Other Discoms	9.809	235.215
(A1+C1+C4+(B1-B6))			TOTAL STATE	500.501	12538.078
2) Hydro	14.565	376.034			
(A2+C2)					
3) Gas	8.583	171.702			
(A3+B7+C3)					
4) Wind	10.314	771.757			
6) SOLAR	9.689	261.338			
TOTAL STATE	300.948	8010.421			

* 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 19 Hrs	D. Night Minimum at 24 Hrs
MSPGCL Thermal	5176	4883	5134	4975
MSPGCL Hydro	382	383	883	224
MSPGCL Gas	285	290	287	285
MSPGCL Total Generation	5843	5556	6304	5484
Central Sector Receipt	9876	9402	8195	6896
WIND	227	272	716	420
CPP / IPP Thermal	4890	4475	5173	5107
CPP / IPP Gas	0	0	0	0
SOLAR	1142	1357	1	0
Exchange with Mumbai	-2009	-2072	-1533	-1459
MSEDCL DEMAND MET	19526	18552	18399	16031
Load Shedding	0	0	0	0
MSEDCL DEMAND	19526	18552	18399	16031
TPCL GENERATION	676	573	962	654
AEML GENERATION	358	389	371	327
MUMBAI DEMAND	3043	3034	2866	2440
OTHER DISCOM DEMAND	443	438	457	417
STATE DEMAND MET	23012	22024	21722	18888
STATE DEMAND	23012	22024	21722	18888
Frequency (Hz)	49.97	49.97	50.03	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.23 Hz at 13.04 Hrs	49.83 Hz at 08.03 Hrs	49.99	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 23/Sep/2023

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	2.66	75.32	140	65
Unit 8	14.17	297.84	651	486
Unit 9	0.00	221.66	0	0
Unit 10	7.87	13.05	430	245
Total	24.70	607.87		
Bhusawal				
Unit 3	2.94	61.01	130	105
Unit 4	9.63	189.66	450	290
Unit 5	9.10	201.06	445	320
Total	21.68	451.74		
Parli				
Unit 6	4.44	103.69	216	148
Unit 7	4.30	92.99	220	144
Unit 8	4.29	91.48	207	147
Total	13.02	288.16		
Chandrapur				
Unit 3	2.86	70.14	145	75
Unit 4	0.00	26.63	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.34	135.87	255	185
Unit 7	0.00	125.12	0	0
Unit 8	7.92	215.39	380	294
Unit 9	9.03	186.45	415	322
Total	25.15	759.59		
Paras				
Unit 3	4.65	103.07	202	162
Unit 4	4.56	106.23	209	170
Total	9.21	209.29		
Khaparkheda				
Unit 1	2.70	61.50	130	85
Unit 2	1.36	37.22	64	49
Unit 3	3.39	78.30	164	120
Unit 4	3.10	71.17	138	111
Unit 5	9.78	187.47	450	350
Total	20.33	435.66		
Nasik				
Unit 3	3.57	65.59	161	123
Unit 4	0.00	70.02	0	0
Unit 5	3.44	60.26	165	115
Total	7.01	195.86		
Uran				
All Units	6.95	122.48	295	283
Total	6.95	122.48		
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)	1.03	19.54	44	40
Total	1.03	19.54		
Koyna				
Stage 1-2	2.23	58.60	290	40

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 4	1.45	81.19	347	0
Stage 3	1.28	33.50	160	0
Total	4.96	173.29		
Hydro				
KDPH	0.76	5.79	36	18
VTRNA	0.82	2.16	60	0
TILLARI	0.00	1.19	0	0
BHIRA T.R.	0.42	8.20	80	0
SMLHY_PTN	2.99	76.66	132	114
GHATGHAR	0.00	5.15	0	0
Total	4.98	99.15		
Wind				
Total	10.31	771.76	0	0
Total	10.31	771.76		
CPP				
APML(Mus)	57.65	1408.76	0	0
JSWEL(Mus)	24.19	591.13	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	18.29	565.20	0	0
SWPGPL-Mus	11.74	270.89	0	0
Dhariwal	0.00	0.00	0	0
IEPL	5.04	130.50	252	181
Other(Mus)	0.34	11.69	0	0
Total	117.26	2978.17		
SOLAR				
Total	9.69	261.34	0	0
Total	9.69	261.34		
Tata				
Trombay 5	7.02	184.11	418	261
Trombay 6	0.00	0.00	0	0
Trombay 7A	0.87	27.38	38	35
Trombay 7B	0.77	21.84	33	31
TATA Hydro	3.59	84.06	386	23
Trombay 8	3.66	96.31	213	132
Total	15.92	413.70		
AEML				
DTPS U-1&2	8.75	222.82	472	289
Total	8.75	222.82		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	121.10	2948.18	MSPGCL Total	139.02	3362.64
			MSPGCL Thml+Gas	128.04	3070.66	Koyna 1,2 & 4 Total	3.68	139.79
			MSPGCL Hydro	10.98	291.98	State Total	300.95	8010.42

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 23/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	5089	460	292	5841	582	4902	0	0	7533	7451	-1302	17094	0	0	17094	2451	380	19925	49.98
2	5107	243	294	5644	261	4912	0	0	7723	7547	-1288	16722	0	0	16722	2303	354	19379	50.00
3	5222	246	292	5760	306	4960	0	0	7650	7200	-1252	16626	0	0	16626	2161	348	19135	49.99
4	5162	249	294	5705	367	4858	0	0	7737	7226	-1197	16642	0	0	16642	2069	317	19028	49.94
5	5058	261	293	5612	382	4817	0	0	7763	7636	-1193	16915	0	0	16915	2063	339	19317	49.93
6	5106	817	295	6218	343	5134	0	0	7710	7575	-1305	17620	0	0	17620	2132	345	20097	50.00
7	5148	624	292	6064	335	5276	0	29	8874	8670	-1173	18841	0	0	18841	2179	360	21380	50.00
8	5136	692	292	6120	353	5173	0	270	9055	9001	-1299	19219	0	0	19219	2305	399	21923	50.06
9	5201	995	293	6489	297	5033	0	634	8955	8912	-1585	19356	0	0	19356	2527	424	22307	49.95
10	5147	641	292	6080	276	5020	0	928	9675	9704	-1903	19688	0	0	19688	2808	417	22913	49.96
11	5176	382	285	5843	227	4890	0	1142	10168	9876	-2009	19526	0	0	19526	3043	443	23012	49.97
12	4905	308	287	5500	251	4788	0	1431	10116	9521	-2046	19001	0	0	19001	3086	444	22531	50.02
13	4883	383	290	5556	272	4475	0	1357	9621	9402	-2072	18552	0	0	18552	3034	438	22024	49.97
14	4906	331	286	5523	328	4261	0	1355	9406	8995	-1990	18058	0	0	18058	2863	414	21335	50.09
15	4438	315	285	5038	327	4246	0	1197	9826	9619	-1987	18018	0	0	18018	2839	422	21279	49.99
16	4875	313	283	5471	525	4389	0	833	9535	9114	-1916	17980	0	0	17980	2804	436	21220	50.00
17	4866	344	286	5496	631	4341	0	390	9195	8816	-1748	17479	0	0	17479	2775	447	20701	49.95
18	5101	301	287	5689	705	4957	0	122	8862	8432	-1549	17916	0	0	17916	2777	440	21133	49.96
19	5134	883	287	6304	716	5173	0	1	8749	8195	-1533	18399	0	0	18399	2866	457	21722	50.03
20	5198	536	290	6024	756	5372	0	0	8686	8088	-1375	18423	0	0	18423	2854	442	21719	50.01
21	5058	497	284	5839	652	4983	0	0	8062	7680	-1496	17214	0	0	17214	2746	444	20404	50.02
22	5090	537	294	5921	584	5086	0	0	7264	6965	-1487	16618	0	0	16618	2627	451	19696	50.01
23	5116	395	288	5799	418	5106	0	0	7287	7032	-1428	16495	0	0	16495	2506	432	19433	50.01
24	4975	224	285	5484	420	5107	0	0	7060	6896	-1459	16031	0	0	16031	2440	417	18888	49.99
MUs	121.10	10.98	6.95	139.02	10.31	117.26	0.00	9.69	206.51	199.55	-37.59	428.43	0.00	0.00	428.43	62.26	9.81	500.50	49.99

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 23/Sep/2023

Position as on 6.30 Hrs of 24/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)	03/10/2023
MSPGCL	Koyana Unit 11	80	10/07/2023	09:40		Continued.	COH	07/12/2023
MSPGCL	Koradi Unit 9	660	22/09/2023	11:39		Continued.	Boiler Tube Leakage and Unit-9 Economizer BTL outage converted to Planned outage for 10 days in view of loadability& reliability improvement.	02/10/2023
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
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 4	210	19/09/2023	12:33		Continued.	BAVIT Metal Temperature High	26/09/2023
MSPGCL	Chandrapur Unit 7	500	21/09/2023	06:43		Continued.	Boiler Tube Leakage	26/09/2023
IPP	RPL(AMT) U-1	270	21/09/2023	08:00	24/09/2023	04:58	Withdrawn due to bottom ash problem	24/09/2023
MSPGCL	Nasik Unit 4	210	22/09/2023	21:07	24/09/2023	04:31	Boiler Tube Leakage	
IPP	IEPL Unit 1	270	24/09/2023	15:01	24/09/2023	18:31	PA FAN UNBALANCED	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Sep/2023

Statement-VII

Position as on 6.30 Hrs of 24/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-2 BASE AC FILTER Z1-Z2(200MVAR) @ CHANDRAPUR HVDC	IntraState	23/09/2023	12:16	24/09/2023	18:07	PO	To replace R Ph Interrupter of Pole II Base Filter Circuit breaker as value of CRM is beyond permissible limit & Further to carry out the testing of Breaker like CRM, Timing, DCRM etc.
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 - 2	IntraState	15/09/2023	07:55			HT	HT for Load Management
PADGHE - PADGHE HVDC CKT- 2	IntraState	22/09/2023	12:58			PO	1.Replacement of old BHEL make Quad CB with new Siemens Quad CB. 2.A & B Bus PG Isolator Maintenance work. 3.400kV HVDC-1 in service through TBC, Power restriction of 1300MW.
KHADKA-AURANGABAD (WALUJ)	IntraState	23/09/2023	00:06		Continued.	HT	H/T FOR O/V
PARLI - KARJAT CKT - 2	IntraState	23/09/2023	13:18	23/09/2023	19:26	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 105 MVA SPARE ICT	IntraState	23/09/2023	10:43	23/09/2023	20:18	PO	RRS cable termination work.
400/220kv 500MVA ICT-1 @ TAPTITANDA	IntraState	23/09/2023	12:43	23/09/2023	19:24	PO	Isolator alignment work of auxiliary bus IV side. This will enable to shift the load on 220 kV TBC if required.
220 KV LINE Outages/Trippings							
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.
EKLAHARE (OCR) - PADGHE	IntraState	16/09/2023	18:27			HT	H/T For load management.
EKLAHARE (OCR) - NAVASARI CKT - 2	IntraState	19/09/2023	19:37			HT	Hand tripped from Navsari end for load management
KOLSHET - KHARBAO	IntraState	20/09/2023	12:10			PO	1)Replacement VT-II on Y-phase of 220KV Main Bus-II. 2) 220KV Main Bus II B-phase spacer replacement of O-ring to arrest gas leakage in this section (Bay 206). 3) DFCCIL has deputed M/s Hyosung T&D company's Engineer to arrest gas leakage problem.

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Sep/2023

Statement-VII

Position as on 6.30 Hrs of 24/Sep/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
HINJAWADI I- CHINCHWAD	IntraState	23/09/2023	06:54	23/09/2023	18:40	PO	a) Temporary stringing of conductor from Loc 159 (existing tower) to 160 (New monopole) - 3 conductors b) Temporary stringing of conductor from Loc 162 (New monopole) to 163 (Existing tower) - 3 conductors c) De-stringing of conductor(Holding the conductor on existing tower) & earthwire from 160 to 162 (existing 220 kV
KEKATNIMBHORA - CHALISGAON CKT	IntraState	23/09/2023	09:30	23/09/2023	14:24	PO	Diagnostic testing and relay testing work
WARDHA (PG) - BADNERA	IntraState	23/09/2023	09:39	23/09/2023	21:47	PO	For Replacement of Old BHEL Insulators on gantries of element
WARDHA - WARDHA (PG)	IntraState	23/09/2023	09:53	23/09/2023	21:45	PO	For Replacement of Old BHEL Insulators on gantries of element
LONAND-BOTHE	IntraState	23/09/2023	10:15	23/09/2023	15:14	PO	Distance relay testing work
HINJAWADI I- CHINCHWAD	IntraState	24/09/2023	07:00	24/09/2023	20:15	PO	On 24.09.2023 a) Erection of Cross Arm at Loc 160 & 3 Cross arms b) Erection of Cross Arm at Loc 162 & 1 Cross arm c) Stringing of conductor& OPGW from Loc 160 to 161 (4conductors) d) Stringing of conductor& OPGW from Loc 161A to 162 (2 conductors) On 25.09.2023 a) Final stringing of Conductor from Loc159 to Loc160 b) Final stringing of Conductor from Loc. 162 to Loc163
SAHARA-URSE	IntraState	24/09/2023	12:01	24/09/2023	16:54	HT	For Load Management
URSE - TALEGAON (AMBI) CKT 2	IntraState	24/09/2023	12:12	24/09/2023	16:42	PO	Replacement of Disc insulator string found broken in Monkey patrolling by Drone at Loc no. 22 Y-ph Urse side.
HALKARNI - TILARI LINE	IntraState	24/09/2023	12:24	24/09/2023	13:21	T	Distance Protection
TILLARI - AMONA LINE	IntraState	24/09/2023	12:27	24/09/2023	16:34	T	Distance Protection
TROMBAY - MULUND	IntraState	24/09/2023	12:34	24/09/2023	21:03	T	Distance Protection
GANGAPUR-VALVE	IntraState	24/09/2023	15:08	24/09/2023	21:18	T	LA replacement.
THEUR-JEJURI	IntraState	24/09/2023	16:50			T	Tripped on Distance protection.
BUTIBORI 3 - WARDHA	IntraState	24/09/2023	19:54	24/09/2023	21:03	T	Red hot observed and earth strip broken from bottom of B PH cc at wardha end.
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.
220/33 KV 50 MVA PTR 1 @ BOISAR-II	IntraState	13/09/2023	21:38			HT	Problem arise during tap changing operation ,Tap was not getting changed ,When tried manually it was found jammed. Hence HT from HV & LV Both .
220/132 KV 100 MVA ICT 1 @ BUTIBORI	IntraState	23/09/2023	04:01	23/09/2023	05:51	T	132KV side Y phase PT1 Burst
220/132 KV 100 MVA ICT 2 @ BUTIBORI	IntraState	23/09/2023	04:01	23/09/2023	05:48	T	132KV side Y phase PT1 Burst
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.

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 23/Sep/2023

Statement-VII

Position as on 6.30 Hrs of 24/Sep/2023

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
AUXILIARY BUS @ PADGHE	IntraState	14/09/2023	10:32			PO	For making twin bus conductor arrangements of 220kV Aux. Bus in upper section .
132 KV LINE Outages/Trippings							
MANSAR-PENCH	InterState	22/09/2023	07:10			HT	H/T FOR LOAD MANAGEMENT
110 KV LINE Outages/Trippings							
SALSETTE POWAI	IntraState	27/03/2023	11:04			PO	Replacement of tower number 77 & 78 for TDS project work.

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