

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 17/Sep/2022 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	97.150	1955.793	1) Gujrat	11.213	155.458
2) Hydro	9.433	215.335	2) Madhya Pradesh	9.625	41.232
3) Gas	2.054	48.836	3) Chattisgarh	3.990	57.620
Total MSPGCL	108.637	2219.964	4) Maharashtra	131.371	2600.468
B) 1) APLM	60.130	1088.230	5) Goa (Amona)	-1.601	-19.893
2) JSWEL	16.428	311.960	Total	154.598	2834.885
3) VIPL	0.000	0.000	a) Mumbai Schedule	29.026	573.327
4) RPL(AMT)	17.043	275.006	b) Mumbai Drawl	30.767	625.595
5) SWPGPL	2.756	79.103	c) MSEDCL Bilateral *	73.447	922.789
6) Other IPP	5.510	97.313	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	29.005	573.174
C) 1) TPCL Thermal	12.539	198.989	Include PX	0.000	0.000
2) TPCL Hydro	8.369	85.493	Standby	0.021	0.153
3) TPCL Gas	0.000	13.433	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.307	159.752	1) MSEDCL	364.906	6620.491
D) STATE			2) Mumbai Discoms	60.982	1083.264
1) Thermal	220.863	4166.146	3) Other Discoms	8.857	153.213
(A1+C1+C4+(B1-B6))			TOTAL STATE	434.745	7856.968
2) Hydro (A2+C2)	17.802	300.828			
3) Gas (A3+B7+C3)	2.054	62.269			
4) Wind	29.827	346.306			
6) SOLAR	9.601	146.532			
TOTAL STATE	280.147	5022.081			

* 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 18 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	4202	3912	4419	4067
MSPGCL Hydro	376	309	1457	176
MSPGCL Gas	86	83	84	89
MSPGCL Total Generation	4664	4304	5960	4332
Central Sector Receipt	7276	7095	6710	5528
WIND	1056	1448	1522	865
CPP / IPP Thermal	4129	4308	5149	4149
CPP / IPP Gas	0	0	0	0
SOLAR	1135	139	0	0
Exchange with Mumbai	-1621	-1249	-1272	-919
MSEDCL DEMAND MET	16239	15640	17648	13684
Load Shedding	0	0	0	0
MSEDCL DEMAND	16239	15640	17648	13684
TPCL GENERATION	809	1100	1097	749
AEML GENERATION	357	500	493	299
MUMBAI DEMAND	2787	2849	2862	1967
OTHER DISCOM DEMAND	400	405	421	272
STATE DEMAND MET	19426	18894	20931	15922
STATE DEMAND	19426	18894	20931	15922
Frequency (Hz)	50.09	49.91	50.00	49.85

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.18 Hz at 18.03 Hrs	49.68 Hz at 17.22 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 17/Sep/2022

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	39.35	0	0
Unit 7	0.00	0.00	0	0
Unit 8	9.11	173.90	410	320
Unit 9	0.00	0.00	0	0
Unit 10	9.84	172.62	450	368
Total	18.95	385.88		
Bhusawal				
Unit 3	2.24	34.56	120	0
Unit 4	0.00	138.46	0	0
Unit 5	9.08	21.75	440	285
Total	11.33	194.78		
Parli				
Unit 6	4.18	72.98	200	148
Unit 7	4.01	56.57	198	140
Unit 8	3.66	63.14	172	142
Total	11.85	192.68		
Chandrapur				
Unit 3	3.07	47.53	160	119
Unit 4	2.77	51.33	121	98
Unit 5	6.97	83.23	320	243
Unit 6	0.00	100.58	0	0
Unit 7	0.00	107.66	0	0
Unit 8	0.00	49.00	0	0
Unit 9	8.70	162.99	437	279
Total	21.51	602.31		
Paras				
Unit 3	4.14	73.33	190	141
Unit 4	4.03	73.87	182	144
Total	8.17	147.20		
Khaparkheda				
Unit 1	2.54	44.41	125	75
Unit 2	0.76	38.82	70	0
Unit 3	3.43	56.42	175	125
Unit 4	2.64	48.74	130	94
Unit 5	8.08	137.94	453	270
Total	17.44	326.32		
Nasik				
Unit 3	2.57	32.57	135	25
Unit 4	2.62	25.65	135	76
Unit 5	2.71	48.41	125	73
Total	7.90	106.62		
Uran				
All Units	2.05	48.84	89	82
Total	2.05	48.84		
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)	0.60	9.91	26	24
Total	0.60	9.91		
Koyna				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	1.69	39.94	240	30
Stage 4	1.00	33.58	731	0
Stage 3	1.14	19.51	160	0
Total	3.84	93.03		
Hydro				
KDPH	0.43	2.66	18	18
VTRNA	0.91	12.88	61	0
TILLARI	0.70	8.48	58	0
BHIRA T.R.	0.49	7.18	80	0
SMLHY_PTN	2.31	77.24	99	92
GHATGHAR	0.15	3.95	80	0
Total	5.00	112.39		
Wind				
Total	29.83	346.31	0	0
Total	29.83	346.31		
CPP				
APML(Mus)	60.13	1088.23	0	0
JSWEL(Mus)	16.43	311.96	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	17.04	275.01	0	0
SWPGPL-Mus	2.76	79.10	0	0
Other(Mus)	5.51	97.31	0	0
Total	101.87	1851.61		
SOLAR				
Total	9.60	146.53	0	0
Total	9.60	146.53		
Tata				
Trombay 5	8.36	133.97	457	266
Trombay 6	0.00	0.00	0	0
Trombay 7A	0.00	8.68	0	0
Trombay 7B	0.00	4.76	0	0
TATA Hydro	8.37	85.49	442	205
Trombay 8	4.18	65.02	237	128
Total	20.91	297.92		
AEML				
DTPS U-1&2	9.31	159.75	500	282
Total	9.31	159.75		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	97.15	1955.79	MSPGCL Total	108.64	2219.96
			MSPGCL Thml+Gas	99.20	2004.63	Koyna 1,2 & 4 Total	2.70	73.52
			MSPGCL Hydro	9.43	215.34	State Total	280.15	5022.08

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 17/Sep/2022

Annexure-2

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDC L DEM. MET	LOAD SHED DING	MSEDC L DEM. WITH LS	MUMBAI DEMAN D	OTHER DISCOM DEMAN D	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS											
1	3820	238	89	4147	1000	4239	0	0	5815	5716	-1143	13623	0	13623	2210	335	16169	49.99
2	4066	179	88	4333	831	4173	0	0	5226	5695	-997	13733	0	13733	2068	302	16103	49.97
3	4067	176	89	4332	865	4149	0	0	5436	5528	-919	13684	0	13684	1967	272	15922	49.85
4	4241	181	89	4511	903	4159	0	0	5471	5407	-865	13833	0	13833	1901	282	16016	50.01
5	4229	185	89	4503	914	4178	0	0	5929	5932	-851	14383	0	14383	1881	293	16558	49.98
6	4286	398	88	4772	951	4333	0	0	6267	6582	-911	15402	0	15402	1974	326	17701	49.97
7	4415	410	89	4914	1065	4876	0	37	6580	6618	-1014	16134	0	16134	2072	362	18568	50.00
8	4409	239	88	4736	1017	4967	0	347	7263	7190	-1159	16729	0	16729	2226	369	19324	50.00
9	4350	274	86	4710	951	4501	0	719	7037	7077	-1451	16116	0	16116	2472	391	18979	50.01
10	4202	376	86	4664	1056	4129	0	1135	7335	7276	-1621	16239	0	16239	2787	400	19426	50.09
11	3775	414	85	4274	1194	3942	0	1204	7498	7218	-1560	15876	0	15876	3046	396	19318	50.01
12	3663	411	85	4159	1253	3769	0	1262	7129	6852	-1639	15259	0	15259	3106	397	18762	50.01
13	3708	395	82	4185	1388	3540	0	1283	6637	6436	-1640	14795	0	14795	3072	397	18264	49.99
14	3528	377	82	3987	1418	3449	0	1225	6269	6355	-1602	14457	0	14457	2975	374	17807	50.02
15	3542	373	82	3997	1322	3431	0	1030	6518	6683	-1412	14690	0	14690	2834	361	17885	50.02
16	3614	354	83	4051	1579	3849	0	732	6786	6452	-1402	14873	0	14873	2911	388	18172	50.02
17	3687	290	84	4061	1506	4143	0	481	7049	6500	-1311	14977	0	14977	2891	404	18271	49.90
18	3912	309	83	4304	1448	4308	0	139	7101	7095	-1249	15640	0	15640	2849	405	18894	49.91
19	4293	929	84	5306	1486	4790	0	7	6527	6429	-1265	16342	0	16342	2866	411	19619	49.99
20	4419	1457	84	5960	1522	5149	0	0	6069	6710	-1272	17648	0	17648	2862	421	20931	50.00
21	4419	441	85	4945	1607	4895	0	0	6708	6697	-1486	16258	0	16258	2713	400	19371	50.02
22	4331	434	85	4850	1690	4460	0	0	6351	6260	-1410	15441	0	15441	2559	409	18409	49.94
23	4143	338	84	4565	1518	4219	0	0	6051	5963	-1335	14536	0	14536	2422	394	17352	50.01
24	4031	256	85	4372	1343	4219	0	0	5791	5926	-1253	14239	0	14239	2318	369	16925	49.99
MUs	97.15	9.43	2.05	108.64	29.83	101.87	0.00	9.60	154.84	154.60	-30.77	364.91	0.00	364.91	60.98	8.86	434.75	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.

State Load Despatch Center, Airoli (MSETCL) Statement-VI

Details of Generating Unit Outages/Trippings for 17/Sep/2022

Position as on 6.30 Hrs of 18/Sep/2022

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL	Koyna Unit 9	80	15/06/2022	08:00		Continued.	Capital Overhaul	30/09/2022
MSPGCL	Koyna Unit 4	70	05/08/2022	17:20		Continued.	Generator winding differential protection	29/09/2022
MSPGCL	Koradi Unit 9	660	07/08/2022	14:53		Continued.	Boiler Tube Leakage (Converted to Annual Overhaul from 11.08.2022 for 45 Days)	26/09/2022
MSPGCL	Chandrapur Unit 8	500	06/09/2022	00:52		Continued.	COH	05/10/2022
MSPGCL	Koradi Unit 6	210	14/09/2022	14:35		Continued.	Tripped on Furnace Pressure High(converted to Overhaul)	03/10/2022
MSPGCL	Chandrapur Unit 6	500	14/09/2022	21:51		Continued.	PRIAMARY AIR PREHEATER BASKET REPLACEMENT AND OTHER WORKS WILL BE TAKEN TENTATIVELY TILL 20.09.2022.	20/09/2022
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	IEPL Unit 1	270	28/08/2018	21.26		Continued.	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.	31/03/2023
MSPGCL	Uran Unit 7	108	25/05/2020	12.51		Continued.	Turbine Blade Failure	22/10/2022
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.	31/03/2023
MSPGCL	Koradi Unit 7	210	27/04/2021	20.03		Continued.	Retired (04/08/2021 At 00.00)	
MSPGCL	Ghatghar Unit-1	125	20/04/2022	00:35		Continued.	Stator Earth Fault	30/09/2022
MSPGCL	Uran Unit B0	120	27/08/2022	15:26		Continued.	Gas shortage	
IPP	SWPGPL U-3	135	28/08/2022	19:04		Continued.	Boiler SSC chain broken problem.	30/09/2022
IPP	RPL(AMT) U-4	270	31/08/2022	00:00	18/09/2022	20:35	Coal Shortage	
MSPGCL	Uran Unit 8	108	01/09/2022	00:00		Continued.	Gas shortage	
MSPGCL	Uran Unit A0	120	07/09/2022	16:30		Continued.	TURBINE TRIPPED ON HIGH VIBRATIONS	
IPP	RPL(AMT) U-1	270	08/09/2022	11:58		Continued.	Furnace Pressure High(under coal shortage wef 18:00hrs of 10.09.22)	28/09/2022
MSPGCL	Uran Unit 5	108	11/09/2022	21:03		Continued.	Gas shortage	
MSPGCL	Bhusawal Unit 3	210	12/09/2022	21:13	17/09/2022	01:05	Zero schedule	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 17/Sep/2022

Position as on 6.30 Hrs of 18/Sep/2022

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
IPP	SWPGPL U-2	135	14/09/2022	04:12		Continued.	Vibration high ID fan	25/09/2022
TPC-G	Trombay 7A	120	14/09/2022	05:36		Continued.	Gas shortage	
TPC-G	Trombay 7B	60	14/09/2022	05:50		Continued.	Gas shortage	
IPP	SWPGPL U-4	135	14/09/2022	21:39		Continued.	ID Fan Problem	25/09/2022
MSPGCL	Chandrapur Unit 7	500	16/09/2022	10:09		Continued.	Boiler Tube Leakage	20/09/2022
MSPGCL	Bhusawal Unit 4	500	16/09/2022	15:15	18/09/2022	01:52	Buchholz relay operated.	17/09/2022
MSPGCL	Khaparkheda Unit 2	210	17/09/2022	13:00		Continued.	wet coal	
MSPGCL	Nasik Unit 3	210	17/09/2022	13:15	17/09/2022	14:30	Loss of fuel	
IPP	JSW (J) U1	300	17/09/2022	16:13	17/09/2022	19:56	Scanner MFT Protection Operated.	
MSPGCL	Nasik Unit 3	210	17/09/2022	23:59		Continued.	wet coal	
IPP	RPL(AMT) U-2	270	18/09/2022	13:44		Continued.	Bottom Ash Evacuation problem.	29/09/2022
MSPGCL	Bhusawal Unit 3	210	18/09/2022	14:55	18/09/2022	17:04	Flame Failure	
MSPGCL	Koradi Unit 8	660	18/09/2022	22:15		Continued.	HEAVY HIGH PRESSURE REHEAT STEAM LEAKAGE NEAR LP BYPASS VALVE OF MAIN TURBINE.	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/Sep/2022

Statement-VII

Position as on 6.30 Hrs of 18/Sep/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
500 KV LINE Outages/Trippings							
CHANDRAPUR - PADGHE HVDC POLE 1	IntraState	17/09/2022	23:48	18/09/2022	06:23	EO	For Pole-1 2Y2 ph Converter transformer oil filling
400 KV TIEBAY Outages/Trippings							
TIE BAY (406) OF KHADKA CKT - 1 @ DEEPNAGAR	IntraState	13/09/2022	21:00		Continued.	T	Reason awaited
400 KV MAINBAY Outages/Trippings							
400KV MAIN BAY 413 OF SPARE BAY @ CHANDRAPUR 2	InterState	23/06/2022	20:33			EO	for requirement of trip coil material from 400 kv spare bay 413 CB and utilise it in 400 kv Warora Ckt 2 CB 425
400 KV LINE Outages/Trippings							
KOLHAPUR - SOLAPUR (PG) CKT - 2	InterState	17/09/2022	10:07	17/09/2022	19:52	PO	400kv TBC B bus isolator repair work and Line Bay AMP works & relay testing works
AURANGABAD(MS) - PUNE (GIS) CKT - 1	IntraState	04/09/2022	18:38		Continued.	T	Y Phase Ground Fault
KHADKA-AURANGABAD (WALUJ)	IntraState	15/09/2022	21:37		Continued.	HT	To control OV
JAIGAD - KARAD CKT - 1	IntraState	17/09/2022	02:00	18/09/2022	10:14	HT	HT for Overvoltage Control
KARAD - LONIKAND I	IntraState	17/09/2022	08:47		Continued.	HT	For load Management
KHARGHAR - TALEGAON (PG)	IntraState	17/09/2022	09:22	17/09/2022	19:18	PO	Outage activities are follows, 1. Replacement of discs type insulator string with AF long rod type insulator string at cut point tower location for D/C portion. 2. Installation of wedge fire connectors at cut point tower locations. 3. Installation of spacers, hanger rod, corona rings etc.
KHARGHAR - TALEGAON (PG)	IntraState	17/09/2022	09:22	17/09/2022	19:18	PO	Addition jumpuring work by fire wedge connector
PADGHE - PADGHE HVDC CKT- 1	IntraState	18/09/2022	00:14	18/09/2022	08:46	EO	"1) Replacement of Bph CT (7core) as existing CT is 5 core so as to avoid the Power Restriction on HDDC pole 2) Bay maint work 3) Dignostic Testing work 4) MTAMC work. 5) For attending Hotspot"
KHARGHAR - TALEGAON (PG)	IntraState	18/09/2022	10:06	18/09/2022	18:38	PO	Addition jumpuring work by fire wedge connector
JEJURI- KOYNA STAGE-IV	IntraState	18/09/2022	10:41	18/09/2022	15:55	PO	PID Faulty disc insulator replacement work & Chemical washing & Cold line washing work
400 KV ICT Outages/Trippings							
400/220/33 KV 315 MVA ICT - 2 @ KORADI	IntraState	14/09/2022	19:45		Continued.	HT	ICT-2 SHIFTED FROM OWN CB TO TBC. FOR MAIN CB REPLACEMENT WORK
220 KV LINE Outages/Trippings							
BOISAR - VERSOVA	IntraState	15/09/2022	10:39		Continued.	PO	Bunching of lines at location no.SS 82 to facilitate the following project work:NHSRCL project: Relocation of existing Tr. Towers and lines at Vasai area - Tower no SS 221 & SS 223.DFCCIL project : Shifting of lines on temporary towers from SS 225 to SS 228. Post bunching the existing lines will be reconfigured as 220 kV Dahanu - Boisar temporary line.

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 17/Sep/2022

Statement-VII

Position as on 6.30 Hrs of 18/Sep/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
DAHANU - VERSOVA	IntraState	15/09/2022	11:00		Continued.	PO	Bunching of lines at location no.SS 82 to facilitate the following project work:NHSRCL project: Relocation of existing Tr. Towers and lines at Vasai area - Tower no SS 221 & SS 223.DFCCIL project : Shifting of lines on temporary towers from SS 225 to SS 228. Post bunching the existing lines will be reconfigured as 220 kV Dahanu - Boisar temporary line.
BABLESHWAR -AHAMADNAGAR-I-JEUR TAP	IntraState	17/09/2022	11:40	17/09/2022	17:07	PO	Replacement of High tan delta Y phase CT.
BABLESHWAR -AHAMADNAGAR-I-JEUR TAP	IntraState	17/09/2022	11:40	17/09/2022	17:07	PO	PID faulty STRING REPLACEMENT WORK 1)STN LOC NO 1-Y BBLR Side, 12-B BBLR Side, 15-B BBLR Side, 2. ATTENDING THE LOW CLEARANCE PROBLEM AT LOC 37-38 OF THE LINE. THE GROUND TO B PH CLEARANCE IS 5.1 METER WHICH IS LOW AS PER THE IE RULE.
RANJANGAON-LONIKAND	IntraState	18/09/2022	10:32	18/09/2022	16:50	PO	for Isolator Maintenance Work
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.
220/33KV 25MVA TF NO.2 @ SAYNE	IntraState	15/09/2022	15:40		Continued.	PO	Work of Replacement of 220/33kv 25 MVA TF2 by 220/33kv 50MVA BHEL TF
220/132 KV 150 MVA ICT-2 @BHENDA	IntraState	17/09/2022	10:35	17/09/2022	18:10	PO	Quarterly maintenance work & Anticorrosive painting at top side Gantry
110 KV LINE Outages/Trippings							
DHARAVI VIKHROLI	IntraState	30/08/2021	00:03			PO	Shifting of OPGW and stringing of conductor of 220 kV Trombay-Dharavi- Salsette line and replacement and shifting of conductor of Dharavi Powai and Dharavi Vikhroli line on new tower and dismantling old towers in section 32 to 38. 110 KV Vikhroli Powai line will be formed for dual feed to Vikhroli and Powai.
DHARAVI POWAI	IntraState	30/08/2021	00:03			PO	Shifting of OPGW and stringing of conductor of 220 kV Trombay-Dharavi- Salsette line and replacement and shifting of conductor of Dharavi Powai and Dharavi Vikhroli line on new tower and dismantling old towers in section 32 to 38. 110 KV Vikhroli Powai line will be formed for dual feed to Vikhroli and Powai.

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